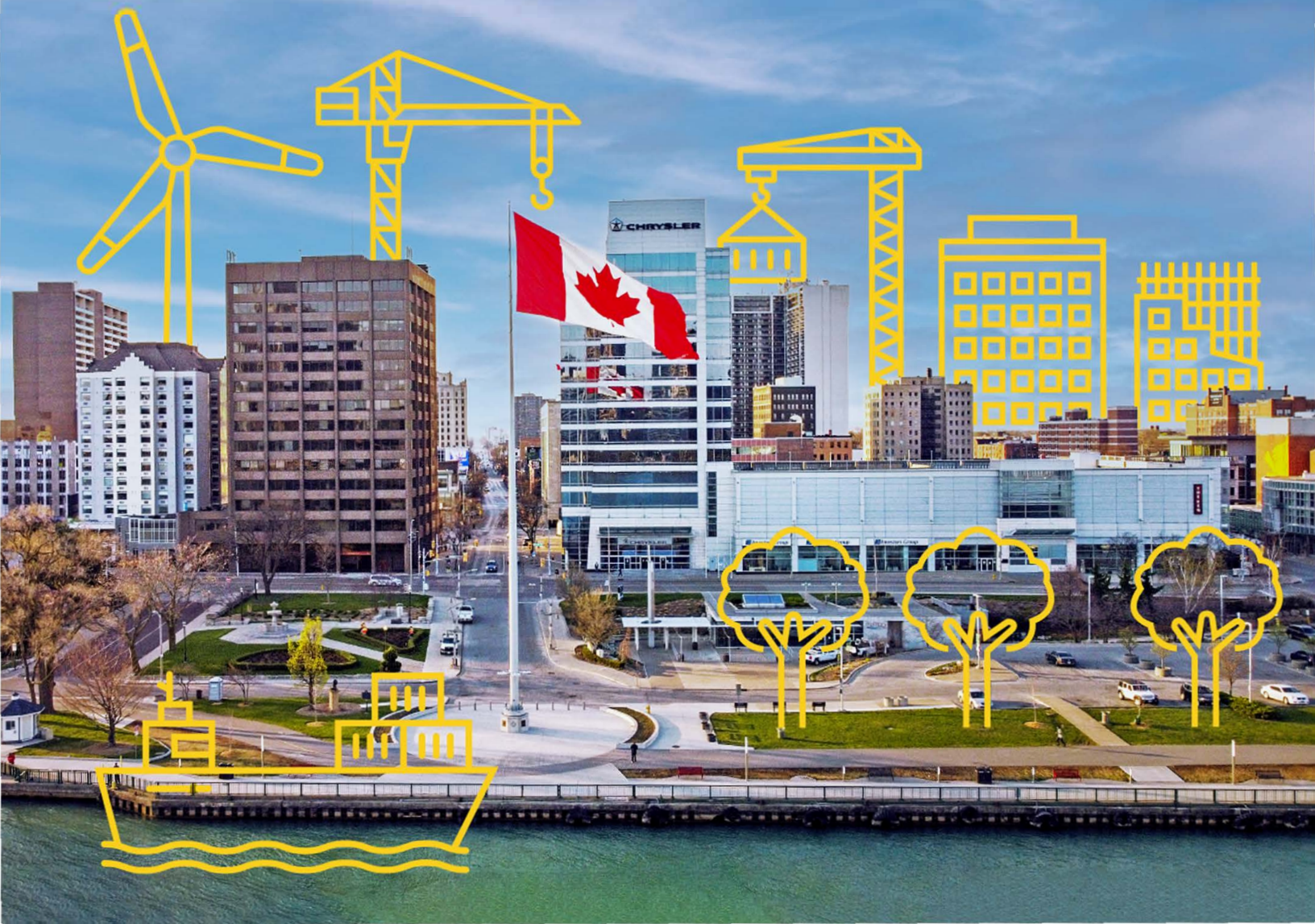


# 2023 Budget

| **Approved Capital Budget**





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**Subject: 2023 10-Year Recommended Capital Budget - City Wide**

**Reference:**

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Report Date: 2/16/2023  
Clerk's File #: AF/14372

**To:** Mayor and Members of City Council

**Recommendation:**

THAT City Council **RECEIVE** the 2023 10-Year Capital Budget documents reflective of \$1,756,783,528 in total funding; and,

THAT City Council **APPROVE** the recommended allocation of the 2023 available funding, inclusive of funding required for pre-commitments and placeholders previously approved by City Council, for capital projects totalling \$178,530,254; and,

THAT City Council **APPROVE IN PRINCIPLE** the recommended allocation of the 2024 through 2032 available funding, inclusive of funding required for pre-commitments and placeholders previously approved by City Council, for capital projects totalling \$1,578,253,274; and,

That City Council **APPROVE** the reallocation of funding sources for previously approved pre-committed funding, as well as the pre-commitment of additional funding, as identified in the Financial Matters section of this report; and,

That City Council **APPROVE** an extension of the Asset Management Plan levy of 1.16% for one additional year in 2026 to support the City's commitment under the Social Housing Repair & Renewal funding agreement and to provide additional, dedicated funding to support housing and homelessness initiatives.

## Executive Summary:

N/A

## Background:

On December 13, 2021, City Council approved the 2022 10-Year Capital Budget (B28/2021). The 2023 Capital Budget being submitted to Council updates that plan for 2023 through to 2032.

At its meeting of May 9, 2022, Council adopted Council Resolution CR203/2022 which directed, in part, the following:

*“That the report of the Chief Financial Officer & City Treasurer dated May 9, 2022 regarding the 2023 Proposed Budget Process & Timeline **BE RECEIVED** for information.”*

In addition, CR203/2022 contained the following recommendation:

*“That City Council **CONFIRMS** that Administration is to develop the 2023 10-year Capital Budget based on current funding level projections, inclusive of the operational (tax levy based) transfers to capital being maintained at current 2022 levels.”*

Through the 2023 budget process, the 10-Year Capital Budget was updated to reflect changes to projects previously presented as part of the 2022 capital plan and to bring forward new projects contemplated from 2023 through to 2032. The budget has also been developed to reflect the guidelines and principles established within the approved Asset Management Plan (AMP) (CR424/2019).

## Discussion:

### Overview of the Capital Budget Documents

The recommended 2023 10-Year Capital Budget identifies investments totalling almost \$1.8 billion in spending. A summary of the capital budget expenditures by year and their funding sources is provided in **Section 2 – Capital Budget Executive Summary**. It also provides information on the impact of the AMP on the capital plan since the inception of the Asset Management levy in 2020 and the continued investment in road and sewer work. Continuing a feature which was introduced as part of the 2020 Capital Budget, and in order to ensure consistency with the AMP, the Executive Summary document also includes the categorization of various capital investments into Investment Classification types. This provides an alternate view of the types of investments included in the capital budget, aside from the traditional Major Categories into which projects are typically placed. Details and definitions for each of the capital investment categorizations are provided in Section 2 as well. It should be noted that several projects have both restricted (Class 1) and unrestricted (Class 2 to 5) funding associated with them. In these cases, the project will be identified in Class 1 for the restricted portion of the funding and the appropriate Classification for the unrestricted funding portion.

**Section 3 – 10-Year Capital Project Listing by Major Category** identifies all recommended capital investments by Major Category: Roads Infrastructure; Sewers Infrastructure; Transportation; Parks and Recreation; Corporate Property Infrastructure; Corporate Technology; Community and Economic Development; Corporate Reserve Replenishment and Agencies, Boards and Committees (ABC's). These categories are important to understanding how the capital budget is allocated across all municipal service areas.

Finally, **Section 4 – Capital Project Summaries**, provides detailed information on each of the individually recommended projects inclusive of project description, total funding, and funding source.

### **Capital Budget Development**

Total funds of approximately \$1.8 billion are projected to be available in this 2023 10-year Capital Budget (2023 – 2032) as detailed within the 2023 Recommended Capital Budget documents.

The process for Capital Budget development includes the identification of changes which impact the previous capital budget projects that were approved in principle. These changes can be the result of several factors including, but not limited to, changing demands, higher than expected tender prices, unexpected infrastructure needs and/or matching funding requirements for grants. New projects are also brought forward within the 2023 to 2031 period based on new information and Council priorities. Projects are also developed for the 10<sup>th</sup> year of the plan, which in this case, covers 2032.

As is the case in most budget years, the majority of changes to the 2023 Capital Budget represent the movement of funds to accommodate changes in construction schedules, make adjustments for increased pricing and inflation, and address previous pre-commitments of Council. Changes can also occur due to the reallocation of funding so that projects with the ability to proceed are fully funded in order to allow them to be completed. Additionally, as part of this review process, Administration performs an analysis to determine if total funding from the various funding sources is being maximized and, in some cases, projects are allocated additional funding as a result. In other instances, similar projects are consolidated so that they may be addressed under one project. With respect to major road, sewer and other supporting infrastructure work, significant reallocations of funding may be made in order to prepare for and/or advance priority work. An example of this is for the significant works required to support development in the Sandwich South Development area. In these cases, where priority work is identified, funds are reallocated in order to maximize opportunities to build critical infrastructure; however the original work is either reallocated funding from alternative sources or funding is replaced in future years.

Generally, the aforementioned changes will have little or no impact on the overall capital program or the projects identified within it from one year to the next. There are however, some recommended changes to the 2023 10-year plan which are highlighted in the following table as they represent new funding recommendations or projects not previously contemplated by Council.

Project ID	Project Title	Change	Explanation
HCS-001-14	Windsor Essex Community Housing Corporation Capital Improvements	\$ 25,217,872	Adjustments required to City and County contribution to align with \$80M matching obligation previously approved by Council. Funding to be provided from extension of 1.16% AMP levy into 2026.
FRS-003-13	New Fire Headquarters - Station #1	\$ 19,112,631	Previously unallocated funding was directed to this project.
FIN-001-23	Corporate Inflation Mitigation	\$ 15,000,000	Funding has been set aside by Administration to mitigate overages in tender pricing resulting from excess inflation.
HCS-001-23	Housing Hub	\$ 10,000,000	Initial funding needed to acquire property for Housing Hub. Administration will work to secure additional funding from Provincial and Federal governments. Funding to be provided from the extension of the 1.16% AMP levy into 2026.
ENG-002-23	LGES (NextStar Energy Inc) Electric Vehicle Battery Plant – Site Servicing	\$ 8,000,000	Budget required to service property for LGES Battery Plant. Funding coming from PAYG (\$3.89M), Industrial Site Development (\$1.25M), Sewer Surcharge (\$1.36M), and external funds (\$1.5M).
ENG-001-23	Central Library	\$ 4,460,000	Previously unallocated funding was directed to this project.
ECB-039-18	Ward Funds	\$ 1,100,000	Previously unallocated funding was directed to this project.
ENG-014-20	Ojibway Wildlife Overpass	\$ (1,250,000)	Funding has been redirected pending outcome of National Urban Park.

Full details for all projects are included in **Section 4 – Capital Project Summaries** of the 2023 Capital Budget documents, inclusive of project description, current and previous funding allocations, and identification of funding source.

It should be noted that through the development of the 2023 10-Year Capital Budget there were ***no significant reductions*** to previously presented project budgets that impact project scope; however in some cases, project timing may be impacted to allow for priority work to proceed. In addition, a number of departmental requests for additional program or project funding were not able to be accommodated within the current funding available in the 10 year plan. These requests reflect increases needed to deal with both maintenance of existing infrastructure, along with a number of new project initiatives. Unless additional funding is provided in the overall capital plan, there will continue to be increasing pressure on both existing programs and expansion of service.

## **Pre-Committed and Placeholder Funding**

Over the past number of years the City has undertaken a practice whereby some capital funds are pre-committed. This allows the City to avoid the issuance of costly long-term debt by utilizing internal funds to fund project work instead. Pre-committed funds are released for immediate use to complete priority projects. In these cases, internal financing costs (paid to the City) are included within the project budgets for the unfunded period.

There are several advantages to the pre-commitment of funds. For example, when projects are several years long, tenders can be issued for larger sections so costs are lower, even if the work will span several years. If work was to be tendered year by year as funding is approved, costs would be much higher as the tenders would be for smaller pieces of work and construction would take longer as the required tendering process would need to be done annually. Tenders or Requests for Proposals cannot be issued without confirmation of approved funding. The ability to commit several years of funding for such a project reduces the overall cost by allowing a current tender for a larger piece of work and reduces construction time as there is no start and stop each season. This also works well for bulk purchases of large assets such as playground and buses to take advantage of current and bulk order pricing.

As per Purchasing Bylaw 93-2012, awards of tenders meeting certain specifications will be awarded directly by Administration through the Delegation of Authority (in order to expedite completion of the projects) subject to the following conditions:

- The tender is being awarded to the low bidder,
- The low tender meets the required specifications for the project,
- The low tender meets all the requirements of the purchasing bylaw, and
- The low tender is within the approved budget for the project.

Administration prepares a Delegation of Authority (DOA) report to award the tenders and then reports the various awards to Council through the normal DOA reporting process.

On an annual basis, Administration also seeks pre-commitments to the next year's capital budget funding so that tenders can be issued for projects ahead of budget deliberations, allowing construction to start in the Spring. While this does not represent a long pre-commitment period prior to the budget year being finalized, it greatly improves our ability to obtain favourable tender pricing and expedite the construction early in the new year.

Another advantage to pre-committing funding for larger multi-year projects is that funding requirements for major projects do not adversely impact any one year of the capital budget. Allocating funding for major projects over the 10 years leaves sufficient funding room in each year for other projects to proceed while still committing the full funds required for major works.

Further, in some instances, the budget includes projects which are not anticipated to start until future years; however assets can and do fail at times sooner than anticipated. The ability to pre-commit future funding for immediate use allows flexibility for the asset to be addressed without the need to defer or cancel other projects.

Finally, grants from senior levels of government often require confirmation of matching funding. Many grants do not fund projects which are already funded and have already been started by the municipality. In these cases, in order to leverage as much grant funding as possible from senior levels of government, we look for appropriate projects which are included in the forecasted capital plan and that meet the required grant guidelines. Often, this requires the pre-commitment of future funds as failure to do so would result in the foregoing of potentially significant grant funding.

Placeholder funding differs from the pre-commitment of funds in that it ensures that projects which City Council has identified as a priority have funding in place should they proceed; however Administration is not able to reallocate placeholder funding to a specific project unless formally approved by City Council to do so. Placeholder funding is typically used to set aside funds in order to avoid the risk of these funds being used while priority projects are further developed or while grant applications are awaiting approval. As previously noted, should the project be ultimately approved by Council or the grant application be successful, these funds are then already set-aside and available to pre-commit.

The recommended 2023 10-Year Capital Budget includes \$394.9 million in pre-committed and placeholder funding, which represents approximately 22.5% of all available funding in the 10-year plan.

## **Asset Management Plan Investments**

The City's current 2018/2019 Asset Management Plan (AMP) outlines the investment requirements to sustain our existing, core infrastructure assets. It lays out a plan for key level of services and provides a financing strategy to allow for those service levels to be maintained. The 2018/2019 AMP focused on our core assets which include:

- Transportation Assets
  - Roads, alleys, sidewalks, bridges, streetlights and traffic signals
- Environmental Protection Assets
  - Pollution control plants, pumping stations, and sanitary and wastewater collection systems
- Parks assets
  - Playgrounds, trees, riverfront shoreline, and other various parks assets
- Facilities, Fleet and Other Assets
  - Corporate facilities, corporate fleets, garages, and other corporate equipment



CR424/2019 approved the City's 2018/2019 Asset Management Plan, with B57/2020 approving the recommendation to establish an AMP levy of 1.16% per year for 6-years (2020 – 2025) in an effort to address the funding shortfalls identified under the AMP. That funding shortfall addresses **existing assets** and has provided increased Service Sustainability funding which allows us to maintain our existing infrastructure.

To date, the AMP levy has provided \$108.7 million in cumulative, incremental funding to the capital budget. Ensuring the capital budget reflects the guidelines, principles and recommendations of the AMP is consistent with O.Reg 588/17 and provides support for the numerous grants which require confirmation that projects are in line with the AMP.

Updates to the AMP in 2024 will address the requirement to consider the balance of all city-owned assets not included in the 2018/2019 AMP, as well as any assets added to the City's core infrastructure inventory since 2018. This requirement will extend to the City's ABC's as well. Recommendations on an appropriate funding strategy to manage any funding gap identified as part of the updated AMP will be addressed at that time, however it is almost certain that additional funding will be required to maintain the service of our existing assets.

### **Investments in Service Enhancements and Growth**

The recommended 2023 10-Year Capital Budget identifies \$597.9 million in funding from 2023 to 2032 for investments in service enhancements, growth, economic development and agencies, boards and commissions. These types of investments are informed through approvals of various master plans, City Council direction and/or legislative requirements. Despite the increase in funding for these initiatives from \$516.4 million (2022 10-Year Capital Budget) to \$597.9 million (2023 10-Year Capital Budget), there remains a number of key projects which may not be funded satisfactorily within the next ten years. Some examples of this include, but are not limited to:

- The development of the Sandwich South lands;
- Banwell/EC Row interchange needs;
- Components relating to the implementation of the various master plans such as Sewer, Parks, Transit, Sewer, Central Riverfront and Active Transportation master plans;

While full capital funding for all of these future projects is not feasible in the current 10-year plan, Administration has recommended a level of funding which would allow for projects in a position to proceed, to do so. The budget also supports recommended funding for other projects which may help to further inform the implementation plan and cost requirements for those investments as they move forward.

While the listing of projects/master plans is not fully exhaustive, it is critical to highlight the magnitude and significant level of future capital investment that is required for the various initiatives noted above. Funding for such complex, long term and costly

service enhancement **cannot be sufficiently accommodated within the existing Capital Budget funding envelope.** It will be necessary in future years to consider a multi-faceted financial plan that will allow us to unlock potential capital funding opportunities in order to achieve the key strategic economic growth and service enhancement capital investment levels desired by City Council.

The upcoming Asset Management Plan updates will be a key component to achieving these investments. The 2025 requirement will require that the City identify and plan for both desired levels of service and growth needs, which directly speaks to the significant projects requiring funding as noted above.

## **Long Term Debt Considerations**

The City's consolidated long-term debt currently stands at approximately \$67.4 million (projected for year-end 2022). While the City's consolidated long term debt levels had fallen on a continual basis since its peak level of \$230 million in 2002, City Council has recently approved funding for various housing-related initiatives through the Windsor Essex Community Housing Corporation as well as land acquisition for Economic Development that will result in increased consolidated debt levels on the City's consolidated financial statements.

More specifically, the Meadowbrook Development and the Repair & Renewal Program which are expected to receive significant funding in the forms of both repayable and non-repayable loans through the Canada Mortgage and Housing Corporation's Co-Investment opportunities will increase consolidated debt levels in the upcoming years as these significant investments in affordable housing are made. The \$45 million in debt that was issued in February 2023 for land acquisition relative to the battery plant will increase debt levels as well.

It is noted that while these estimates reflect an increase to consolidated long-term debt levels, the projected levels continue to remain well below the peak debt level of \$230 million back in 2002. In fact, when considering the long term debt level in 2003 as a percentage of total financial assets at that time, it was approximately 68%. Based on the most recent 2021 audited consolidated financial statements, the City's long term debt levels as a percentage of total financial assets has fallen significantly to a level of approximately 4.3% in 2021. Even with the projected increase in debt levels as identified above, the long-term debt level as a percentage of total financial assets in 2029 would only nominally increase to approximately 9.5%. Given these extremely low debt levels resulting from City Council's longstanding fiscal prudence and debt reduction strategies over many years, the City is now in an enviable position that affords some degree of flexibility relative to debt as one of several potential longer term funding strategies that will assist to address the significant long-term capital funding gap that was noted earlier. Put simply, the quantum of infrastructure demands over the coming years, including large new or replacement facilities, cannot be met without debt financing being one part of the solution.

## Inflationary Pressures

As Council is aware, rising prices are a concern that all municipalities, including the City, must consider due to the unprecedented inflation currently being experienced. Although the City generally considers inflation as part of all capital project cost estimates, the volatility in pricing experienced by the City in recent years presents a more significant challenge.

Through the budget development process, all projects in the capital plan are reviewed for inflationary impacts and adjusted accordingly; however current projects could not have contemplated the rate of inflation that we are currently experiencing. While longer term forecasts are projecting a tapering of inflation, current prices remain high. To mitigate the potential impact of current inflation rates on individual projects, Administration has set aside a provisional amount of \$5 million for each of the PAYG, Service Sustainability and Sewer Surcharge funds. While the amount is nominal and represents, in total, less than 1% of the funding provided in the overall capital plan, these funds which can be drawn upon to address inflationary price increases will ensure to some level that priority work can be completed as scheduled, despite higher than anticipated pricing.

Administration recommends that the Chief Administrative Officer be responsible to approve the allocation of these funds, subject to the review of the CFO/City Treasurer. Any allocation of funds will be reported to Council via the semi-annual capital variance report. To ensure these funds are available for immediate use, Administration is requesting that Council pre-commit these funds, which are all available in the 2023 to 2027 funding years.

## Social Housing Requirements

As part of Council Report C191/2020 regarding the municipal funding requirements for the Windsor-Essex Community Housing Corporation (CHC) Repair and Renew capital project, CR15/2021 directed the following:

*“THAT City Council **REFER** the proposed capital funding Plan (Option 2) that will address the additional capital request in the amount of \$40.1 million required to support and complete the Repair and Renewal plan as requested by the Windsor-Essex Community Housing Corporation to the 2023 Capital Budget review and deliberation process.”*

CHC’s action plan for the repair and renewal of their existing public housing stock requires a total cost commitment of approximately \$170 million. For CMHC funding, the collective expenditure of \$170 million for approved project work is required to be completed within a ten-year period, effective 2019.

A breakdown of the Repair and Renew capital funding of \$40.1 million, as previously report to Council in 2020, is as follows:

	\$
Total Estimated Costs (City/County)	170,000,000
CMHC Repair & Renewal Funding	(90,000,000)
Current Municipal Annual Capital Funding Allocation from existing subsidy (City/County)	(28,800,000)
Municipal Capital Placeholder Funding (City/County) within 5-year window	(7,500,000)
CHC capital contribution	(3,600,000)
Additional Capital Funding Requirement (City/County)	\$40,100,000

In that report, several proposed options were identified as possible ways in which to fund the City's obligation. After considering its options, Administration is recommending the extension of the current AMP levy of 1.16% for one additional year in 2026. If approved, the incremental funds, estimated at approximately \$5.1 million per year, will be used to address the remaining portion of City funding required for the Repair & Renew project. The City's share of the unfunded balance in this project is currently estimated at approximately \$26.4 million.

As Council was previously advised, the City is required to incorporate the asset management needs of agencies, boards and commissions into its AMP in order to meet the 2024 requirements of O. Reg 588/17 and that as a result, there would be a need to determine if the Asset Management levy would need to be extended to address those needs. CHC has been working on their asset management data for some time and the needs outlined in the Repair & Renew program are reflective of that work. The Repair & Renew capital project will assist the CHC in addressing the unfunded liability for capital repairs and maintenance that has been deferred due to limited financial resources dedicated to existing housing stock in the community. The extension of the AMP levy for one additional year, with the dedication of those funds allocated to this program allows the City to meet our previously approved funding commitment while at the same time meeting our O. Reg 588/17 requirements in advance of a formal update to the AMP.

Further, recognizing the need for additional investment in infrastructure to address homelessness within the City, the recommended 2023 Capital Budget, through the extension of the AMP levy noted above, also provides for \$10 million in initial funding for the development and implementation of a permanent Housing Hub. Since opening in 2020, The Homelessness & Housing Help Hub (H4) has successfully provided individuals experiencing homelessness with low barrier service connections to a number of critical resources in the community. The proposed Housing Hub expands on the success of the H4 program to build a permanent facility that will support those facing homelessness and assist the City in achieving its mandate to reduce and end chronic homelessness by 2028. While the development of this facility is incremental to our existing asset base, it meets the level of service defined by Council. This proposed service level would normally be incorporated into the 2025 AMP update however given the priority of this work, use of AMP funds made available in 2026 as a commitment to this proposed level of service in our community is appropriate.

It is noted that without this proposed advance extension of the AMP for one additional year in 2026 that it would not be possible to fund the above noted commitments to housing and homelessness without a significant review and reduction to other priority capital projects already included in the 10 year capital plan. The magnitude of these investments could not be funded without reductions and re-prioritization of other important initiatives.

### Public Consultation Process

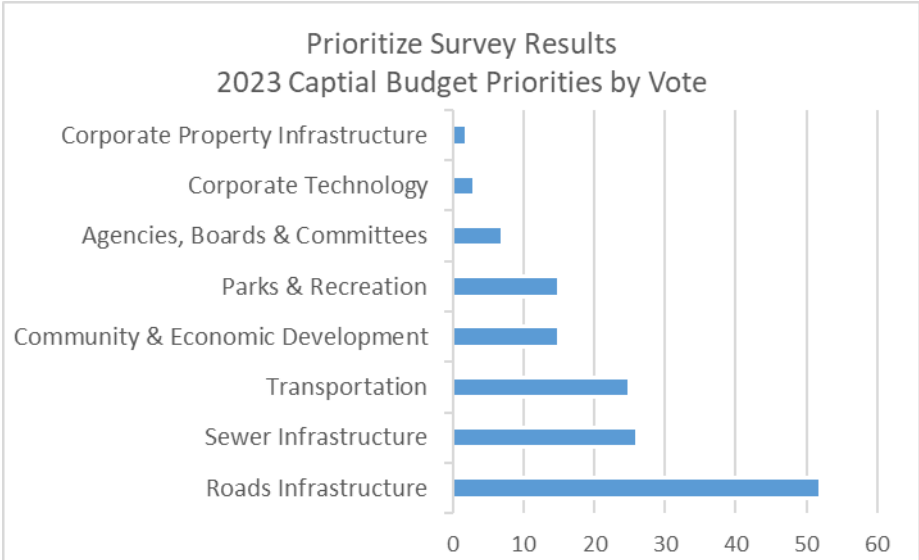
The 2023 budget process provided an opportunity for public input sessions at the beginning of the process on May 9, 2022 when the Budget Process and Timelines document was brought before Council.

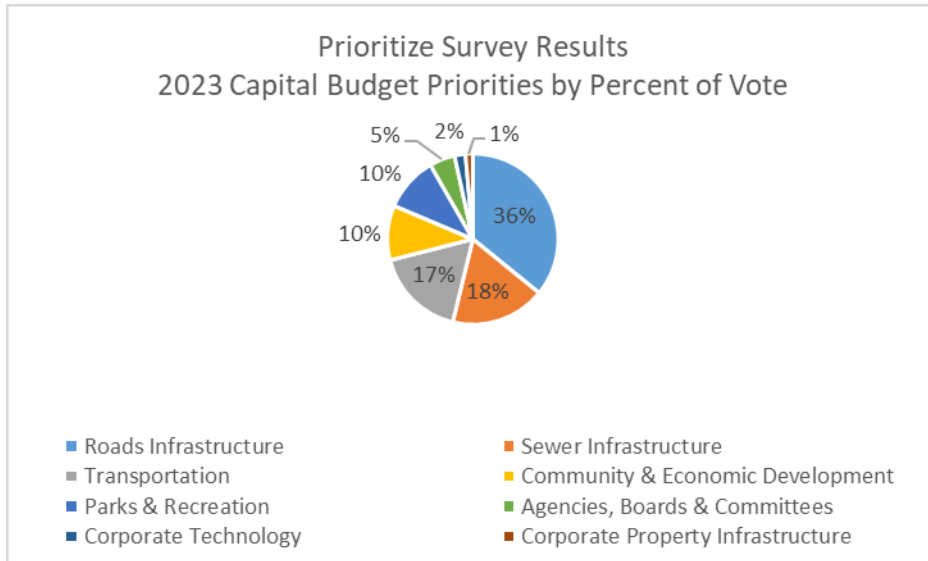
The capital budget recommendations are also informed by the various approved master plans such as Sewer Master Plan, Parks, Recreation, Transit Windsor, Active Transportation and the City’s Official Plan, to name a few. These master plans include extensive consultation processes with the public.

A further opportunity for input is provided through the public budget deliberations. To facilitate the review of the documents prior to budget deliberations, the budget will be publicly released in mid-March. Once released, the 2023 Budget Documents will be available for viewing through the City’s website at [www.citywindsor.ca/cityhall/Budget](http://www.citywindsor.ca/cityhall/Budget).

Public input was also welcomed by Administration through the introduction of a third-party hosted website called Prioritize, which was made available to residents as an opportunity to provide feedback on the major capital budget funding categories important to them. The Prioritize survey was launched in late November and was available for public input for 7 weeks. During that time, the survey received 912 page views, with 150 surveys being submitted.

As part of the survey, residents were asked to select the top 5 major capital funding categories that were important to them and then rank their choices in priority order. The results of that survey are as follows:





As illustrated in **Section 2 – Capital Budget Executive Summary**, the allocation of capital dollars is in general alignment with the survey responses noted above, with the bulk of City capital budget dollars funding Roads Infrastructure and Sewer Infrastructure projects.

**Risk Analysis:**

As is the case in any budget, there are a number of risks that are inherent in the capital plan being recommended. The more potentially significant risks include:

- The only way to truly know the actual costs of the various projects is after the completion of the related tenders. Therefore, the primary risk at this time is the actual costs of some of the projects could be greater than budgeted. This risk is likely to almost certain to occur and the consequences based on the actual issues experienced during the COVID-19 pandemic are considered moderate, classifying this as a significant risk. This risk is mitigated by ensuring cost estimates are being made by experienced people and using professional judgment, and the inclusion of appropriate inflationary provisions in the capital plan.
- There is a risk that the funding stream projections over the 10-year planning horizon will not materialize to the full extent projected. This risk is likely to materialize but the seriousness of the consequences is expected to be low as most funding streams are known and under the control of the City itself. It should be noted however, that there may be financial implications resulting from the COVID-19 Pandemic. At this time, it is difficult to assess and quantify what the impact will be. However, it is becoming clear that there will be long-term impacts (e.g. facility design standards).
- There is also a risk that the future capital funding plan approved in principle may need to be revised or revisited in future years should competing or

significant financial demands arise as a result of major ongoing litigation matters, significant capital and development initiatives, etc. This can be mitigated to some extent by setting aside sufficient reserves and/or, use of new and alternative funding strategies.

- The Provincial government introduced Bill 23, the More Homes Built Faster Act. Among other changes, this legislation greatly restricts the City's ability to offset costs incurred to install infrastructure with development charge revenues collected from developers. Analysis of the anticipated ramifications of this legislation is ongoing and is difficult to quantify at this time, however, Administration expects that future development charge revenues will be negatively impacted. This will result in additional pressure being applied to other sources of funding to pay for work that previously would have been paid for with development charge funding. This could result in some projects being reduced in scope / scale, delayed, or cancelled altogether.

### **Climate Change Risks**

The 2023 capital budget projects were assessed to determine if they contribute to climate change resilience or energy and greenhouse gas (GHG) reduction. There are many projects in the Capital Budget that help the Windsor Community adapt to our changing climate, particularly increasing temperatures as well as increasing intensity, duration and frequency of rainfall events. Projects that help to reduce flooding risk due to climate change include Sewer and Coastal Flooding Master Plan projects, municipal drain enhancement and naturalization, and flood protection barrier improvements. Splash pads help to improve human health during the hot summer months, and natural areas management and urban forest enhancement help mitigate a number of climate change risks, as well as enhance human health and biodiversity.

While there are currently a limited number of projects in the Capital Budget that implement a commitment to decreased energy consumption and greenhouse gas emissions, projects that provide a climate change resilience opportunity, or that might be eligible for funding if these measures were included, are also noted. Facility retrofits and new building construction projects could be eligible for funding opportunities if designed to incorporate energy reduction or include renewable energy production. Once electric vehicle capacity is explored for corporate fleet vehicles, there may also be an opportunity to apply for electrification infrastructure or vehicle funding.

Further details are provided in **Appendix A – Capital Budget Projects Screened for Climate Change Impact**.

### **Climate Change Mitigation:**

Adoption of the 2023 10-Year Capital Budget does not pose a climate change mitigation risk. However, there is a risk of not including energy improvements, enhancements or a transition to renewable energy when budgeting and designing capital projects. Corporate Buildings and Corporate Fleet accounted for 51% and 27% respectively of our corporate GHG emissions in 2020. As many funding applications are dedicated to these issues in buildings and fleet, planning to incorporate energy reduction measures

is becoming prudent financial planning and also imperative when seeking government funding. Work to include additional funding for capital projects to reduce energy consumption and move towards net zero for buildings and fleet should be considered in future budgets.

### **Climate Change Adaptation:**

Adoption of the 2023 Capital budget does not pose a climate change adaptation risk. Windsor's Climate Change Adaptation Plan addresses climate change impacts, particularly those from increasing temperatures and the intensity, duration and frequency of rainfall events. There are several projects identified in this Capital Budget that contribute to climate change adaptation. Windsor has also been the recipient of funding to contribute to climate change adaptation projects. Continuing to implement the Coastal and Sewer Flood Protection Master Plan as well as working to improve heat health in Windsor is necessary to help our community adapt to the changing climate. There are also opportunities in this area for funding and administration will continue to pursue these opportunities.

### **Financial Matters:**

Administration has identified approximately \$112.6 million in additional funding over the 2023 to 2031 timeframe, over what had previously been presented in the 2022 capital plan. These additional funds are largely due to three factors:

1. Optimizing the use of Development Charge funding allocated to projects identified in the January 2021 approved DC study, which were previously funded by PAYG, Service Sustainability and or Sewer Surcharge;
2. The release of PAYG funding previously held as a potential funding source for COVID relief measures; and,
3. Leveraging funding from various dedicated reserves.

As a result of completing the 2023 Capital Budget development process, Administration is also recommending the following changes in committed funding.

1. For administrative ease, Administration is recommending that all pre-committed funding tied to Fund 028 - Sewer Surcharge be instead changed to Fund 153 - Sewer Surcharge Reserve. Fund 028 is an operating fund used to record current year transactions, whereas Fund 153 is a reserve fund used to accumulate, amongst other entries, prior year deficits or surpluses and completed project surpluses or deficits. Undertaking this change will allow for the funding of Sewer Surcharge-funded projects to mirror the process used for projects funded with Fund 169 - Pay-As-You-Go or Fund 221 - Service Sustainability.
2. As part of the annual budgeting process, Administration analyzes the various funding sources already identified for projects and assesses whether funding could be used more effectively elsewhere as some funding can only be used for particular types of projects such as Sewer Surcharge funds for example,



which can only be used for sewer-related work. The proposed changes below will give Administration more flexibility in allocating capital funds **while ensuring that total funding for projects that had previously committed funding is not impacted.**

Project #	Title	Revenue Funding Source	2023	2024	2025	2026	Total
ECP-003-08	Howard Ave. Corridor Infrastructure Improvements	169CF-Committed Funding	(50,000)	(417,000)			(467,000)
ECP-003-08	Howard Ave. Corridor Infrastructure Improvements	115CF-Committed Funding	50,000	417,000			467,000
ECP-003-08	Howard Ave. Corridor Infrastructure Improvements	176CF-Committed Funding		(2,334,000)			(2,334,000)
ECP-003-08	Howard Ave. Corridor Infrastructure Improvements	221CF-Committed Funding		2,334,000			2,334,000
		<b>Net</b>	-	-	-	-	-
ECP-002-08	Provincial Rd./Division Rd. Corridor Inf. Improvements	169CF-Committed Funding			(4,033,120)	(2,200,000)	(6,233,120)
ECP-002-08	Provincial Rd./Division Rd. Corridor Inf. Improvements	115CF-Committed Funding			4,033,120	2,200,000	6,233,120
		<b>Net</b>	-	-	-	-	-
PFO-012-12	Park Trails Capital Rehabilitation Program	151CF-Committed Funding				(200,000)	(200,000)
PFO-012-12	Park Trails Capital Rehabilitation Program	221CF-Committed Funding				200,000	200,000
		<b>Net</b>	-	-	-	-	-

3. In addition to the recommended changes noted above, Administration is recommending the immediate pre-commitment of the following funds to ensure that funding is available as required:

- i. ECB-039-18 – Ward Funds
  - a. \$1,100,000 in 2027 Pay-As-You-Go funds (Fund 169)
- ii. FIN-001-23 – Corporate Inflation Mitigation
  - a. \$5,000,000 in Pay-As-You-Go funds (Fund 169) as follows:
    - i. 2026 - \$1,897,416
    - ii. 2027 - \$3,102,584
  - b. \$5,000,000 in Service Sustainability funds (Fund 221) as follows:
    - i. 2027 - \$5,000,000
  - c. \$5,000,000 in Sewer Surcharge funds (Fund 153) as follows:
    - i. 2023 - \$1,265,000
    - ii. 2024 - \$574,388
    - iii. 2025 - \$999,630
    - iv. 2026 - \$764,939
    - v. 2027 - \$1,396,043
- iii. FRS-002-19 – Fire & Rescue – Forcible Entry Prop
  - a. \$20,000 in 2024 Service Sustainability funds (Fund 221)
- iv. FRS-002-21 – Training Towers Stair Replacement
  - a. \$200,000 in 2026 Service Sustainability funds (Fund 221)

**Consultations:**

All City departments, as well as a number of City agencies, boards and committees, contributed to the development of the 2023 10-Year Capital Budget.

**Conclusion:**

The total recommended funding over the 2023 10-year plan is approximately \$1.8 billion for an average of \$175.7 million per year. This is an average increase of \$10.2

million per year compared to the average of \$165.5 million per year approved in the 2022 10-year plan. The focus of the 2023 10-Year Capital Budget continues to be the roads and sewers categories, with a total of approximately \$958.6 million in funding, (55% of total available funding) being recommended for these types of projects. It is recommended that City Council approve the recommendations for the 2023 10-Year Capital Budget identified in this report.

**Planning Act Matters:**

N/A

**Approvals:**

Name	Title
Mike Dennis	Financial Manager, Asset Planning
Natasha Gabbana	Senior Manager, Asset Planning
Joe Mancina	Commissioner, Corporate Services / Chief Financial Officer
Onorio Colucci	Chief Administrative Officer (A)

**Notifications:**

Name	Address	Email

**Appendices:**

- Appendix A – Capital Budget Projects Screened for Climate Change Impact
- Section 2 – Capital Budget Executive Summary
- Section 3 – 10-Year Capital Project Listing by Major Category
- Section 4 – Capital Project Summaries

## Appendix A – Capital Budget Projects Screened for Climate Change Impact

### Summary

The 2023 Capital Budget projects were assessed to determine their climate impact. This included climate change *mitigation* and climate change *adaptation* risks and opportunities. The analysis comments on the following questions:

#### **Climate Change Mitigation**

Will the project result in an overall increase or decrease of energy consumption/greenhouse gas (GHG) emissions?

#### **Climate Change Adaptation**

Based on Windsor's future climate projections, will the project result in an increased or decreased risk of flooding, heat health or other impacts?

Projects that had little or no climate impact are not identified in this analysis. Projects listed in Table 1 contribute towards climate change mitigation or adaptation and therefore have a positive climate change impact. Projects listed in Table 2 provide an opportunity to incorporate climate change mitigation and adaptation measures with staff expertise and/or additional funding. Projects listed in Table 3 contribute to climate change risk.

Many projects in the 2023 Capital Budget contribute to decreased risk of flooding and improved heat health for Windsor residents. There are very few projects that contribute to decreasing energy consumption and greenhouse gas emissions. Corporate buildings and fleet accounted for 51% and 27% respectively of the Corporation's greenhouse gas emissions in 2020.

Table 1. Projects that contribute to climate change mitigation or adaptation

Page #	Project #	Title	Climate Change Impact
4-269	PFO-002-21	Parks Drainage Improvements	This project contributes to climate change adaptation by decreasing flooding risk.
4-271	PFO-003-18	Fred Thomas Splash Pad (Glengarry)	This project contributes to climate change adaptation by providing access to cooling opportunities
4-289	PFO-005-20	Natural Areas Management Program	This project contributes to climate change adaptation and mitigation. Thriving natural areas decrease greenhouse gas emissions, improve air quality, decrease flooding risk and improve biodiversity and human health.
4-291	PFO-005-21	Park Splash Pads	This project contributes to climate change adaptation by providing access to cooling opportunities.
4-301	PFO-007-11	Tree Maintenance and Urban Forest Enhancement Program	This project contributes to climate change adaptation and mitigation. The urban forest decreases greenhouse gas emissions, improve air quality, decrease flooding risk and improve biodiversity and human health.
4-191	HCS-001-14	Windsor Essex Community Housing Corporation Capital Repair & Renewal	This project contributes to energy and greenhouse gas reduction by incorporating major energy reduction measures.  Climate Change Mitigation Risk: Low  Climate Change Adaptation Risk: Low
4-482	ECP-004-08	Municipal Drains Capital Rehabilitation Program	This project contributes to climate change adaptation. Drains in good condition help to reduce flooding risk.
4-484	ECP-004-09	Stormwater and Sanitary Master Plan Development (SMP)	This project contributes to climate change adaptation by considering climate change risks when developing sewer infrastructure.
4-486	ECP-005-08	Grand Marais Drain Improvements (Concrete Channel)	This project contributes to climate change adaptation by decreasing flooding risk.
4-445	ECP-022-07	Prince Rd./Totten St. Storm Sewer Improvements – (SMP)	This project contributes to climate change adaptation by decreasing flooding risk.
4-447	ECP-023-07	Parent Ave./McDougall Ave. Storm Sewer (SMP)	This project contributes to climate change adaptation by decreasing flooding risk.

4-488	ECP-028-07	Grand Marais Drain Rehabilitation Program (Existing Naturalized Channel)	This project contributes to climate change adaptation. Thriving natural areas decrease greenhouse gas emissions, improve air quality, decrease flooding risk and improve biodiversity and human health.
4-494	ENG-001-13	Capital Rehabilitation Program for Little River Steel Retaining Walls	This project contributes to climate change adaptation by decreasing flooding risk.
4-455	ENG-001-22	Cameron Ave Storm Trunk Sewer (SMP)	This project contributes to climate change adaptation through the separation of combined sewers to decrease flooding risk.
4-496	ENG-002-16	Improvements to Little River Municipal Drain (Lauzon Rd. to VIA Tracks)	This project contributes to climate change adaptation. Thriving natural areas decrease greenhouse gas emissions, improve air quality, decrease flooding risk and improve biodiversity and human health.
4-459	ENG-002-19	Sewer Master Plan Implementation (SMP)	This project contributes to climate change adaptation by considering climate change risks when developing sewer infrastructure.
4-462	ENG-002-22	Jefferson Drainage Area (SMP)	This project contributes to climate change adaptation by decreasing flooding risk.
4-500	ENG-003-13	Sixth Concession Municipal Drain - Land Acquisition & Capital Improvements	This project contributes to climate change adaptation by decreasing flooding risk.
4-470	ENG-005-19	Enhanced Flooding Mitigation Program - DMAF 1	This project contributes to climate change adaptation by decreasing flooding risk.
4-472	ENG-005-22	DMAF 4 Large-Scale Stream Retention Treatment Basin LRWRP	This project contributes to climate change adaptation by decreasing flooding risk. Measures to ensure the facility is energy efficient and protected from flooding should be incorporated at the design phase.
4-512	ENG-009-21	Inflow & Infiltration Program (SMP)	This project contributes to climate change adaptation by decreasing flooding risk.
4-514	ENG-012-20	Capital Improvements to East Riverside Flood Protection Dikes (SMP)	This project contributes to climate change adaptation by decreasing flooding risk.
4-540	ENG-007-16	Basement Flooding Abatement Measures	This project contributes to climate change adaptation by providing opportunities for homeowners to decrease their flooding risk.
4-154	LGL-002-16	Environmentally Significant Lands Acquisition Placeholder	This project contributes to climate change adaptation and mitigation. Environmentally significant lands can be enhanced or restored to become thriving natural areas. Thriving natural areas decrease greenhouse gas emissions, improve air quality, decrease flooding risk and improve biodiversity and human health.
4-466	ENG-004-23	Dominion – Ojibway to Totten/Ojibway Storm Outlet	This project contributes to climate change adaptation by decreasing flooding risk.
4-83	PBG-001-18	Official Plan Review	This project contributes to climate change adaptation and mitigation by considering climate change risks and opportunities when reviewing the Official Plan.
4-85	PBG-002-18	Comprehensive Zoning By-Law	This project contributes to climate change adaptation and mitigation by considering climate change risks and opportunities when reviewing the Zoning By-law.
4-87	PLN-007-07	Growth Management Plan Review and Implementation	This project provides an opportunity to improve climate change adaptation and mitigation by considering climate change risks and opportunities when developing a growth management plan.
4-89	PLN-008-07	Natural Areas Valuation Study	This project provides an opportunity to improve climate change adaptation and mitigation by further understanding the value natural areas provide to the community.

Table 2. Projects that provide an opportunity to incorporate climate change mitigation and adaptation measures with staff expertise and/or additional funding

Page #	Project #	Title	Climate Change Impact
4-373	OPS-006-19	Food and Organic Waste Collection and Treatment	This project provides a substantial opportunity to contribute to the City's climate change goals as well as be a good candidate for grant funding. If an anaerobic digester is proposed to produce renewable natural gas from organics, substantial energy and greenhouse gas reduction would be achieved as well as renewable energy generation through renewable natural gas production. Measures to ensure the facility is energy efficient and protected from flooding should be incorporated at the design phase. Corporate Buildings contribute 51% of greenhouse gas emissions in the Corporate Inventory.
4-480	ECP-001-10	Upper Little River SMP Implementation	This project provides an opportunity to reduce flooding risk by considering our future climate when developing sewer infrastructure.
4-502	ENG-003-19	New Development- Engineering Studies and EAs	This project provides an opportunity to reduce flooding risk by considering our future climate when developing sewer infrastructure.
4-506	ENG-005-21	East West Arterial Drain Diversion	This project provides an opportunity to reduce flooding risk by considering our future climate when developing sewer infrastructure.
4-601	OPS-005-08	Corporate Fleet Replacement Program	Currently, fleet replacement with electric vehicles is only considered where feasible. This project provides an opportunity to reduce energy and greenhouse gas emissions if electric vehicles are incorporated into our fleet. The Corporate Fleet contribute 27% of greenhouse gas emissions in the Corporate Inventory.
4-613	OPS-022-07	Purchase of Fleet Additions and Upgrades	New gas powered vehicles and equipment will increase corporate energy consumption and greenhouse gas emissions. This project provides an opportunity to reduce energy and greenhouse gas emissions if electric vehicles are incorporated into our fleet.
4-619	OPS-027-18	Greening the Fleet	This project provides an opportunity to reduce energy and greenhouse gas emissions if used to incorporate electric vehicles into our fleet. The Corporate Fleet contribute 27% of greenhouse gas emissions in the Corporate Inventory.
4-653	TRN-001-07	Transit Windsor Fleet Replacement Program	Transit Windsor is currently developing an electrification plan. This project provides an opportunity to reduce energy and greenhouse gas emissions if electric vehicles are incorporated into the Transit Windsor fleet. The Corporate Fleet contribute 27% of greenhouse gas emissions in the Corporate Inventory.
4-662	TRN-007-21	Support Vehicles	Transit Windsor is currently developing an electrification plan. This project provides an opportunity to reduce energy and greenhouse gas emissions if electric vehicles are incorporated into the Transit Windsor fleet.
4-647	TRN-001-22	Transit Windsor Garage	Transit Windsor is currently developing an electrification plan. This project provides an opportunity to reduce energy consumption and greenhouse gas emissions if building design considers climate change risks and opportunities. Corporate Buildings contribute 51% of greenhouse gas emissions in the Corporate Inventory.

4-361	ENG-011-17	400 City Hall Square - Capital Repairs	This project provides an opportunity to reduce energy consumption and greenhouse gas emissions if capital repairs are designed to improve energy efficiency. Corporate Buildings contribute 51% of greenhouse gas emissions in the Corporate Inventory.
4-126	FRS-003-13	New Fire Headquarters - Station #1	This project provides an opportunity to reduce energy consumption and greenhouse gas emissions if building design considers energy efficiency. Corporate Buildings contribute 51% of greenhouse gas emissions in the Corporate Inventory. As an essential service, climate change risks should be identified early and mitigated where possible.
4-194	HCS-001-23	Housing Hub	This project provides an opportunity to reduce energy consumption and greenhouse gas emissions if building design considers energy efficiency. Corporate Buildings contribute 51% of greenhouse gas emissions in the Corporate Inventory. As an essential service, climate change risks should be identified early and mitigated where possible.
4-353	ENG-001-23	Central Library	This project provides an opportunity to reduce energy consumption and greenhouse gas emissions if building design considers energy efficiency. Corporate Buildings contribute 51% of greenhouse gas emissions in the Corporate Inventory. As an essential service, climate change risks should be identified early and mitigated where possible.

[Table 3. Projects that contribute to climate change risk](#)

Page #	Project #	Title	Climate Change Impact
4-379	PFO-001-21	Legacy Beacon/Streetcar #351	This project will be built to Ontario Building Code standards and will increase corporate energy consumption and greenhouse gas emissions.
4-409	REC-002-21	Adie Knox Herman Reimagining	This project will be built to Ontario Building Code standards and will increase corporate energy consumption and greenhouse gas emissions.

# **2023 Approved Capital Budget**



## **Capital Budget Executive Summary**



## Summary of Approved Capital Budget Funding Source Allocations - for Budget Year 2023 (10 Year Capital Plan)

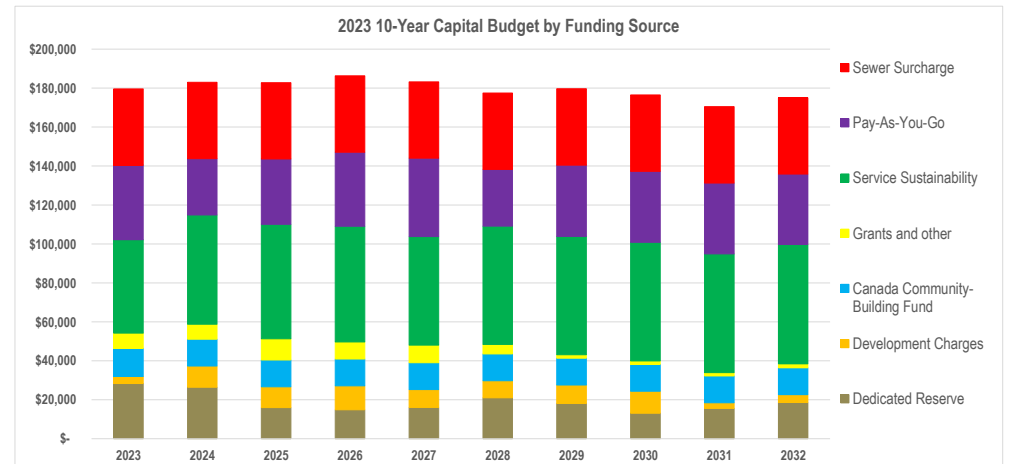
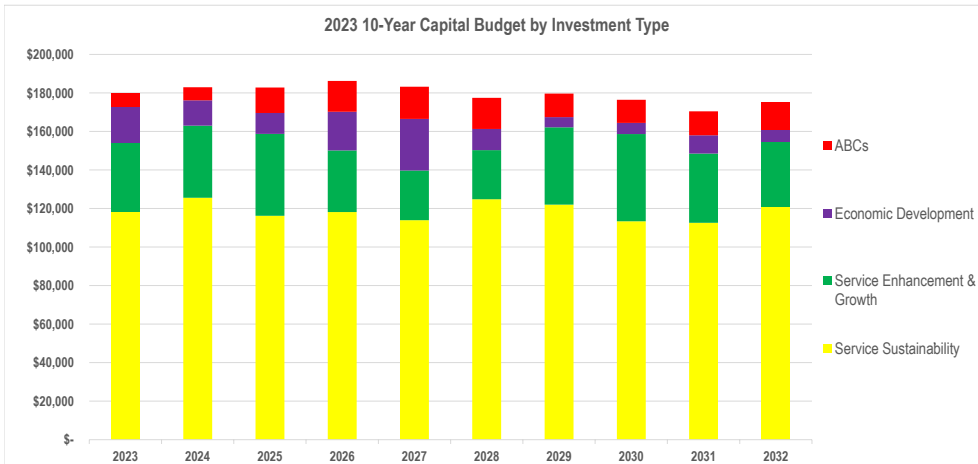
Year		Service Sustainability Investments						Economic Development, Growth, Service Enhancements and Agencies, Boards & Committees						Total
		Service Sust. Invest.	Dev. Charge Reserves	Dedicated Reserves	Sewer Surcharge	Grants & Other	Canada Comm.-Building Fund	Pay-As-You-Go	Dev. Charge Reserves	Dedicated Reserves	Sewer Surcharge	Grants & Other	Canada Comm.-Building Fund	
2023	Funding Available	47,966,002	5,000	21,604,123	33,061,595	4,276,384	11,268,520	38,278,321	3,622,000	6,733,707	6,126,156	3,576,577	3,107,110	179,625,495
	Less: Pre-Commitments & Placeholders	23,257,810	-	1,561,542	25,102,095	-	2,501,536	22,533,935	3,120,000	530,000	1,666,095	-	300,000	80,573,013
	Less: Funding allocated to Expenditures	24,708,192	5,000	20,042,581	7,959,500	4,276,384	8,766,984	15,744,386	502,000	6,203,707	4,460,061	3,576,577	2,807,110	99,052,482
	Funding Surplus/(Deficit)	-	-	-	-	-	-	-	-	-	-	-	-	-
2024	Funding Available	56,119,382	5,000	21,157,800	32,285,305	5,343,777	10,671,734	28,902,191	10,898,000	5,263,707	6,902,446	2,318,145	3,104,266	182,971,753
	Less: Pre-Commitments & Placeholders	24,340,117	-	-	19,898,055	-	-	19,929,793	2,517,000	-	869,693	-	1,000,000	68,554,658
	Less: Funding allocated to Expenditures	31,779,265	5,000	21,157,800	12,387,250	5,343,777	10,671,734	8,972,398	8,381,000	5,263,707	6,032,753	2,318,145	2,104,266	114,417,095
	Funding Surplus/(Deficit)	-	-	-	-	-	-	-	-	-	-	-	-	-
2025	Funding Available	58,799,646	5,000	8,158,500	34,328,104	7,005,834	7,912,800	33,533,832	10,671,220	7,823,707	4,859,647	3,834,831	5,863,200	182,796,321
	Less: Pre-Commitments & Placeholders	17,571,677	-	-	18,612,154	-	-	19,715,940	4,533,120	-	1,336,784	1,105,730	2,654,000	65,529,405
	Less: Funding allocated to Expenditures	41,227,969	5,000	8,158,500	15,715,950	7,005,834	7,912,800	13,817,892	6,138,100	7,823,707	3,522,863	2,729,101	3,209,200	117,266,916
	Funding Surplus/(Deficit)	-	-	-	-	-	-	-	-	-	-	-	-	-
2026	Funding Available	59,364,170	94,950	9,631,000	36,015,625	3,727,382	9,322,000	38,011,716	12,131,513	5,253,707	3,172,126	5,090,584	4,454,250	186,269,023
	Less: Pre-Commitments & Placeholders	11,165,927	-	-	17,841,000	-	-	13,041,385	4,599,000	-	764,939	-	-	47,412,251
	Less: Funding allocated to Expenditures	48,198,243	94,950	9,631,000	18,174,625	3,727,382	9,322,000	24,970,331	7,532,513	5,253,707	2,407,187	5,090,584	4,454,250	138,856,772
	Funding Surplus/(Deficit)	-	-	-	-	-	-	-	-	-	-	-	-	-
2027	Funding Available	55,743,970	-	10,856,000	34,423,122	385,923	12,546,110	40,231,916	9,193,132	5,203,707	4,764,629	8,650,875	1,230,140	183,229,524
	Less: Pre-Commitments & Placeholders	8,858,059	-	-	15,301,701	-	-	19,779,307	-	-	1,396,043	-	-	45,335,110
	Less: Funding allocated to Expenditures	46,885,911	-	10,856,000	19,121,421	385,923	12,546,110	20,452,609	9,193,132	5,203,707	3,368,586	8,650,875	1,230,140	137,894,414
	Funding Surplus/(Deficit)	-	-	-	-	-	-	-	-	-	-	-	-	-

## Summary of Approved Capital Budget Funding Source Allocations - for Budget Year 2023 (10 Year Capital Plan)

Year		Service Sustainability Investments						Economic Development, Growth, Service Enhancements and Agencies, Boards & Committees						Total
		Service Sust. Invest.	Dev. Charge Reserves	Dedicated Reserves	Sewer Surcharge	Grants & Other	Canada Comm.-Building Fund	Pay-As-You-Go	Dev. Charge Reserves	Dedicated Reserves	Sewer Surcharge	Grants & Other	Canada Comm.-Building Fund	
2028	Funding Available	60,743,970	2,550,000	14,481,000	35,237,751	540,046	11,263,312	29,131,916	6,242,400	6,488,707	3,950,000	4,332,281	2,512,989	177,474,372
	Less: Pre-Commitments & Placeholders	5,226,000	-	-	17,437,751	-	-	8,483,649	-	-	-	-	-	31,147,400
	Less: Funding allocated to Expenditures	55,517,970	2,550,000	14,481,000	17,800,000	540,046	11,263,312	20,648,267	6,242,400	6,488,707	3,950,000	4,332,281	2,512,989	146,326,972
	Funding Surplus/(Deficit)	-	-	-	-	-	-	-	-	-	-	-	-	-
2029	Funding Available	60,743,970	150,000	13,004,000	35,139,751	85,550	12,926,250	36,631,916	9,277,908	5,128,707	4,048,000	1,680,293	850,051	179,666,396
	Less: Pre-Commitments & Placeholders	-	-	-	13,587,751	-	-	418,037	-	-	-	-	-	14,005,788
	Less: Funding allocated to Expenditures	60,743,970	150,000	13,004,000	21,552,000	85,550	12,926,250	36,213,879	9,277,908	5,128,707	4,048,000	1,680,293	850,051	165,660,608
	Funding Surplus/(Deficit)	-	-	-	-	-	-	-	-	-	-	-	-	-
2030	Funding Available	60,893,970	150,000	8,293,000	33,962,751	78,500	10,032,442	36,481,916	11,139,572	4,788,707	5,225,000	1,680,293	3,743,859	176,470,010
	Less: Pre-Commitments & Placeholders	-	-	-	16,987,751	-	-	-	-	-	-	-	-	16,987,751
	Less: Funding allocated to Expenditures	60,893,970	150,000	8,293,000	16,975,000	78,500	10,032,442	36,481,916	11,139,572	4,788,707	5,225,000	1,680,293	3,743,859	159,482,259
	Funding Surplus/(Deficit)	-	-	-	-	-	-	-	-	-	-	-	-	-
2031	Funding Available	60,943,970	50,000	10,400,000	31,260,049	79,450	9,897,000	36,431,916	2,790,894	5,178,707	7,927,702	1,655,293	3,879,301	170,494,282
	Less: Pre-Commitments & Placeholders	-	-	-	12,000,000	-	-	-	-	-	-	-	-	12,000,000
	Less: Funding allocated to Expenditures	60,943,970	50,000	10,400,000	19,260,049	79,450	9,897,000	36,431,916	2,790,894	5,178,707	7,927,702	1,655,293	3,879,301	158,494,282
	Funding Surplus/(Deficit)	-	-	-	-	-	-	-	-	-	-	-	-	-
2032	Funding Available	61,395,931	-	11,816,480	33,547,751	625,000	13,776,301	35,979,955	4,052,112	6,743,707	5,640,000	1,447,293	-	175,024,530
	Less: Pre-Commitments & Placeholders	-	-	-	13,585,046	-	-	-	-	-	-	-	-	13,585,046
	Less: Funding allocated to Expenditures	61,395,931	-	11,816,480	19,962,705	625,000	13,776,301	35,979,955	4,052,112	6,743,707	5,640,000	1,447,293	-	161,439,484
	Funding Surplus/(Deficit)	-	-	-	-	-	-	-	-	-	-	-	-	-

## Summary of Approved Capital Budget Funding by Major Category - for Budget Year 2023 (10 Year Capital Plan)

Allocation of Available Funding by Major Category:	Allocation by Year, in \$000 s																					
	2023	% of Budget	2024	% of Budget	2025	% of Budget	2026	% of Budget	2027	% of Budget	2028	% of Budget	2029	% of Budget	2030	% of Budget	2031	% of Budget	2032	% of Budget	TOTAL 2023-2032	% of Budget
<b>Roads Infrastructure</b>	\$ 39,214	22%	\$ 50,756	28%	\$ 60,607	33%	\$ 52,779	28%	\$ 51,998	28%	\$ 52,494	30%	\$ 52,128	29%	\$ 54,347	31%	\$ 55,259	32%	\$ 58,890	34%	\$ 528,472	29%
<b>Sewers Infrastructure</b>	\$ 67,962	38%	\$ 59,856	33%	\$ 48,660	27%	\$ 39,971	21%	\$ 38,252	21%	\$ 45,146	25%	\$ 45,920	26%	\$ 42,608	24%	\$ 39,653	23%	\$ 39,336	22%	\$ 467,363	26%
<b>Transportation</b>	\$ 13,377	7%	\$ 18,754	10%	\$ 10,781	6%	\$ 14,162	8%	\$ 18,085	10%	\$ 22,206	13%	\$ 19,636	11%	\$ 16,129	9%	\$ 16,731	10%	\$ 13,444	8%	\$ 163,304	9%
<b>Parks &amp; Recreation</b>	\$ 21,059	12%	\$ 20,546	11%	\$ 22,291	12%	\$ 20,189	11%	\$ 16,357	9%	\$ 14,104	8%	\$ 17,929	10%	\$ 12,690	7%	\$ 13,737	8%	\$ 16,534	9%	\$ 175,436	10%
<b>Corporate Property Infrastructure</b>	\$ 8,796	5%	\$ 11,353	6%	\$ 12,649	7%	\$ 18,742	10%	\$ 10,361	6%	\$ 11,948	7%	\$ 21,297	12%	\$ 26,793	15%	\$ 16,655	10%	\$ 19,085	11%	\$ 157,678	9%
<b>Corporate Technology</b>	\$ 3,816	2%	\$ 1,778	1%	\$ 3,752	2%	\$ 4,365	2%	\$ 4,659	3%	\$ 4,425	2%	\$ 5,270	3%	\$ 4,368	2%	\$ 4,797	3%	\$ 4,205	2%	\$ 41,435	2%
<b>Community &amp; Economic Development</b>	\$ 16,773	9%	\$ 11,435	6%	\$ 9,204	5%	\$ 18,393	10%	\$ 25,167	14%	\$ 9,300	5%	\$ 3,547	2%	\$ 5,785	3%	\$ 9,473	6%	\$ 6,000	3%	\$ 115,076	6%
<b>Capital Reserve Replenishment</b>	\$ 1,670	1%	\$ 1,670	1%	\$ 1,670	1%	\$ 1,670	1%	\$ 1,670	1%	\$ 1,710	1%	\$ 1,710	1%	\$ 1,710	1%	\$ 1,710	1%	\$ 3,210	2%	\$ 18,400	1%
<b>Agencies, Boards and Committees (ABC's)</b>	\$ 6,959	4%	\$ 6,824	4%	\$ 13,183	7%	\$ 15,999	9%	\$ 16,680	9%	\$ 16,142	9%	\$ 12,230	7%	\$ 12,040	7%	\$ 12,480	7%	\$ 14,321	8%	\$ 126,857	7%
<b>Total Allocation of Available Funding</b>	\$ 179,625	100%	\$ 182,972	100%	\$ 182,796	100%	\$ 186,269	100%	\$ 183,230	100%	\$ 177,474	100%	\$ 179,666	100%	\$ 176,470	100%	\$ 170,494	100%	\$ 175,025	100%	\$ 1,794,022	100%



On April 3, 2023, City Council approved both the 2023 Operating Budget (Council Resolution B4/2023, Report # C 34/2023) and the 2023 10-year Capital Budget (Council Resolution B5/2021, Report # C 26/2023). The 2023 10-year Capital Budget includes expenditures totalling \$1.8 billion. Capital projects and their identified 2023 funding recommendations, totaling \$179.6 million, have been approved. Projects and their recommended funding from 2024 through to 2032, unless previously committed, are approved in principle expenditures. As such, these projects are subject to potential changes during future capital budget development to address higher priority project requirements where necessary. The 2023 net Operating Budget totals \$460.4 million, and the gross amount is \$997.8 million.

### Service Sustainability Investments

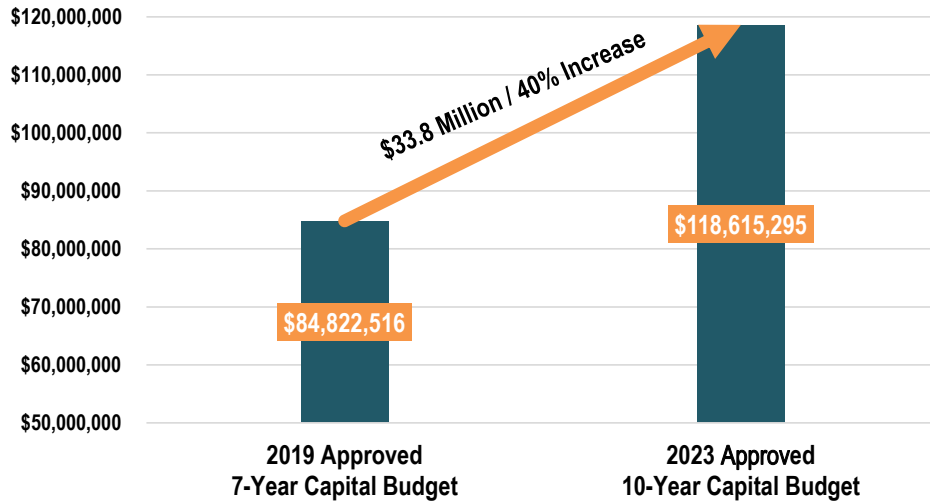
2019 Approved 7-Year Capital Budget	\$84,822,516
2023 Approved 10-Year Capital Budget	\$118,615,295

### Roads & Sewer Infrastructure

2019 Approved 7-Year Capital Budget	\$71,383,714
2023 Approved 10-Year Capital Budget	\$99,583,496

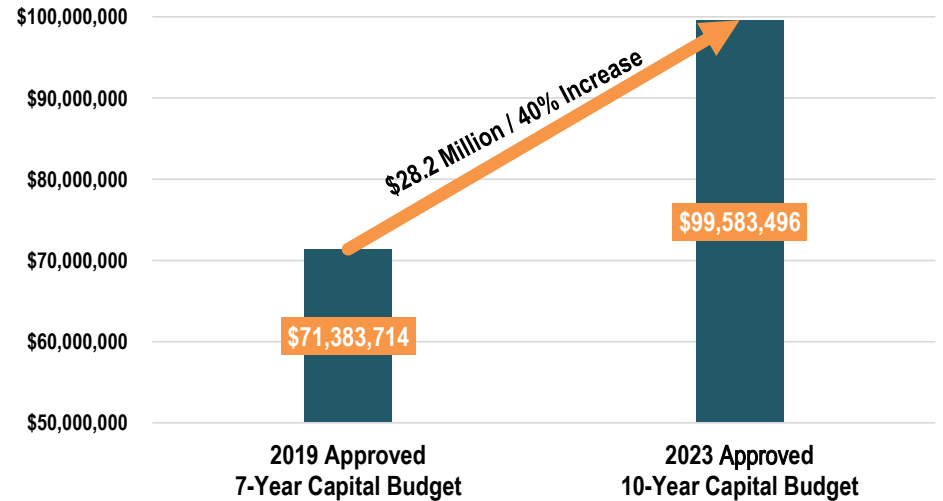
### Service Sustainability Investments

2019 Capital Budget vs. 2023 Capital Budget (Annual Average)



### Roads & Sewers Infrastructure Increase

2019 Capital Budget vs. 2023 Capital Budget (Annual Average)



Capital Budget Investment Classification Types

1	<p><b>Non Discretionary Investments and or Pre-Commitments of Council</b></p>	<p>These are projects for which the funding source is not City funding, such as grants and or third-party recoveries and therefore is not able to be allocated to other projects. In addition, this includes project funding which has been previously pre-committed by City Council to a specific project and approved for immediate use, thereby restricting the ability to reallocate funding.</p>
2	<p><b>Service Sustainability Investments</b></p>	<p>These are investments which are consistent with the AMP to address service sustainability investments for existing assets, for which there is no enhancement or growth elements to the project.</p>
3	<p><b>Investments with Components of both Sustainability and Enhancement</b></p>	<p>These are investments which are consistent with the AMP to address service sustainability investments for existing assets and also provide an element of service enhancement and or growth.</p>
4	<p><b>Enhanced Services and or Non Infrastructure Investments</b></p>	<p>These investments result in the creation of new assets or enhanced services for the community as well as investments in non-infrastructure type projects.</p>
5	<p><b>Agencies, Boards &amp; Committees (ABC's) Investments</b></p>	<p>This includes all classification of capital investments in ABC's.</p>

## Capital Budget by Investment Classification Type

		Current Year 2023	Actionable Years 2024-2027	Future Years 2028-2032
<b>2023 Capital Budget</b>	<b>Total Available Funding</b>	<b>179,625,495</b>	<b>735,266,621</b>	<b>879,129,590</b>
Class 1	Non Discretionary Investments and or Pre-Commitments of Council	80,573,013	223,725,694	87,725,985
Class 2	Service Sustainability Investments	53,855,674	267,789,736	436,389,958
		134,428,687	491,515,430	524,115,943
Class 3	Investments with components of both Sustainability and Enhancement	19,522,495	141,240,052	203,739,381
Class 4	Enhanced Service Level Investments	18,715,561	49,825,232	84,061,698
Class 5	Agencies, Boards & Committees (ABC's) Investments	6,958,752	52,685,907	67,212,568
		45,196,808	243,751,191	355,013,647

## Class 1: Non Discretionary Investments and or Pre-Commitments of Council

Project Number	Project Title	Major Category	Project Detail Page #	Econ. Dev., Growth, and Serv. Enhance. %	Serv. Sust. Investments %	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
FIN-001-23	Corporate Inflation Mitigation	Community & Economic Development	4-153	100%	0%	1,265,000	574,388	999,630	2,662,355	9,498,627	-	-	-	-	-	15,000,000
CAO-001-16	Paul Martin Bldg. Placeholder	Community & Economic Development	4-27	100%	0%	-	-	1,004,384	-	-	-	-	-	-	-	1,004,384
CAO-002-18	New Windsor-Essex Hospital System Plan	Community & Economic Development	4-29	100%	0%	6,900,000	6,900,000	6,900,000	6,900,000	6,900,000	6,200,000	-	-	-	-	40,700,000
ECB-039-18	Ward Funds	Community & Economic Development	4-100	100%	0%	1,600,000	-	-	-	1,100,000	-	-	-	-	-	2,700,000
ECB-042-18	Theme Districting	Community & Economic Development	4-79	100%	0%	3,595,000	-	-	-	-	-	-	-	-	-	3,595,000
ECB-044-18	Financing Charges	Community & Economic Development	4-147	100%	0%	75,000	-	-	-	-	-	-	-	-	-	75,000
ENG-004-21	Airport Employment Lands	Community & Economic Development	4-492	100%	0%	-	1,967,000	-	2,298,329	-	-	-	-	-	-	4,265,329
ENG-027-17	Walkerville Theming Implementation	Community & Economic Development	4-466	100%	0%	-	1,000,000	-	-	-	-	-	-	-	-	1,000,000
ENG-005-23	Lanspeary Lions Outdoor Pool and Change Room - Green & Inclusive Buildings Grant	Corporate Property Infrastructure	4-343	0%	100%	-	-	1,250,000	-	-	-	-	-	-	-	1,250,000
FRS-002-19	Fire & Rescue - Forcible Entry Prop	Corporate Property Infrastructure	4-108	0%	100%	-	20,000	-	-	-	-	-	-	-	-	20,000
FRS-002-21	Training Towers Stair Replacement	Corporate Property Infrastructure	4-110	0%	100%	-	-	-	200,000	-	-	-	-	-	-	200,000
HCP-005-08	Corporate Facilities Paving Program	Corporate Property Infrastructure	4-355	0%	100%	-	315,000	-	-	-	-	-	-	-	-	315,000
FRS-004-19	WFRS - Next Gen 911 Telecommunications Rehabilitation Program	Corporate Technology	4-130	26%	74%	-	300,000	1,600,000	-	-	-	-	-	-	-	1,900,000
ITC-002-19	Municipal Tax System	Corporate Technology	4-48	0%	100%	1,341,000	-	-	530,000	-	-	-	-	-	-	1,871,000
ECB-004-18	Wigle Park Capital Improvements	Parks & Recreation	4-235	100%	0%	175,000	-	-	-	-	-	-	-	-	-	175,000
ECB-011-18	Stodgell Park Redevelopment	Parks & Recreation	4-237	100%	0%	460,000	-	-	-	-	-	-	-	-	-	460,000
ECB-026-18	Elizabeth Kishkon Park - Install Washroom	Parks & Recreation	4-239	100%	0%	450,000	-	-	-	-	-	-	-	-	-	450,000
ECB-028-18	Improvements to Peche Island and Boat Access	Parks & Recreation	4-241	100%	0%	800,000	-	-	-	-	-	-	-	-	-	800,000
ECB-029-18	Wayfinding Signage and Markers - Ganatchio Trail/Little River	Parks & Recreation	4-243	100%	0%	100,000	-	-	-	-	-	-	-	-	-	100,000
ECB-041-18	Off-Road Cycling Trails	Parks & Recreation	4-245	100%	0%	700,000	-	-	-	-	-	-	-	-	-	700,000
OPS-001-15	Parks Equipment Replacement Program	Parks & Recreation	4-576	0%	100%	639,169	-	-	-	-	-	-	-	-	-	639,169
PFO-001-21	Legacy Beacon/Streetcar #351	Parks & Recreation	4-365	100%	0%	50,955	-	-	-	-	-	-	-	-	-	50,955
PFO-002-15	Playgrounds Replacement Program	Parks & Recreation	4-253	0%	100%	1,343,875	2,510,302	2,226,728	1,771,647	-	-	-	-	-	-	7,852,552
PFO-002-21	Parks Drainage Improvements	Parks & Recreation	4-255	0%	100%	175,000	-	-	-	-	-	-	-	-	-	175,000
PFO-003-18	Fred Thomas Splash Pad (Glengarry)	Parks & Recreation	4-257	100%	0%	150,000	-	-	-	-	-	-	-	-	-	150,000
PFO-003-19	Parks Lighting	Parks & Recreation	4-259	0%	100%	100,000	-	-	-	-	-	-	-	-	-	100,000
PFO-003-20	Holiday Lights Capital Maintenance	Parks & Recreation	4-318	0%	100%	105,801	-	-	-	-	-	-	-	-	-	105,801

## Class 1: Non Discretionary Investments and or Pre-Commitments of Council

Project Number	Project Title	Major Category	Project Detail Page #	Econ. Dev., Growth, and Serv. Enhance. %	Serv. Sust. Investments %	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
PFO-004-21	Parks Sports Courts Improvements	Parks & Recreation	4-265	100%	0%	300,000	-	50,000	-	-	-	-	-	-	-	350,000
PFO-005-19	Parks & Recreation Service and Infrastructure Program	Parks & Recreation	4-273	0%	100%	105,000	-	-	-	-	-	-	-	-	-	105,000
PFO-005-21	Park Splash Pads	Parks & Recreation	4-277	100%	0%	50,000	50,000	-	-	-	-	-	-	-	-	100,000
PFO-006-19	Recycling Silos in Parks	Parks & Recreation	4-283	100%	0%	64,000	-	-	-	-	-	-	-	-	-	64,000
PFO-007-11	Tree Maintenance and Urban Forest Enhancement Program	Parks & Recreation	4-287	0%	100%	1,851,959	-	-	-	-	-	-	-	-	-	1,851,959
PFO-008-12	New Park Design/Development/Construction	Parks & Recreation	4-292	100%	0%	400,000	-	-	-	-	-	-	-	-	-	400,000
PFO-009-12	Park Bridges/Shelters/Buildings/Capital Rehabilitation Program	Parks & Recreation	4-296	100%	0%	130,000	-	-	-	-	-	-	-	-	-	130,000
PFO-010-17	Dog Park Development	Parks & Recreation	4-300	100%	0%	130,000	-	-	-	-	-	-	-	-	-	130,000
PFO-010-20	Park Bench Replacement Program	Parks & Recreation	4-302	0%	100%	50,000	-	-	-	-	-	-	-	-	-	50,000
PFO-013-12	Park-Related Parking Lots Capital Upgrades	Parks & Recreation	4-308	25%	75%	200,000	-	-	-	-	-	-	-	-	-	200,000
REC-001-18	Monument and Memorial Capital Repairs	Parks & Recreation	4-326	0%	100%	75,000	-	-	-	-	-	-	-	-	-	75,000
REC-002-07	Lakeview Park Marina Rehabilitation Program	Parks & Recreation	4-330	0%	100%	950,000	-	-	-	-	-	-	-	-	-	950,000
REC-002-14	Relocation of Sandpoint Beach	Parks & Recreation	4-320	18%	82%	-	227,500	-	-	-	-	-	-	-	-	227,500
REC-002-21	Adie Knox Herman Reimagining Project	Parks & Recreation	4-395	56%	44%	2,938,045	8,598,088	5,422,045	2,655,450	6,076,723	1,309,649	-	-	-	-	27,000,000
REC-003-07	Municipal Pools Refurbishment Program	Parks & Recreation	4-322	0%	100%	-	-	2,000,000	-	-	-	-	-	-	-	2,000,000
ECB-001-18	California/Pulford - Norfolk to Daytona	Roads Infrastructure	4-399	0%	100%	1,200,000	-	-	-	-	-	-	-	-	-	1,200,000
ECB-017-18	Pillette Rd. - Seminole to VIA Tracks - Reconstruction	Roads Infrastructure	4-401	0%	100%	950,000	-	-	-	-	-	-	-	-	-	950,000
ECB-030-18	Wyandotte St. - St. Rose to Janisse - Repair WB, Reconstruct EB	Roads Infrastructure	4-522	0%	100%	440,000	-	-	-	-	-	-	-	-	-	440,000
ECB-031-18	Courtland Cres. - South National to South National - Mill and Pave	Roads Infrastructure	4-524	0%	100%	120,000	-	-	-	-	-	-	-	-	-	120,000
ECB-032-18	Annie St. - Tecumseh to Cul-de-sac - Mill and Pave	Roads Infrastructure	4-526	0%	100%	90,000	-	-	-	-	-	-	-	-	-	90,000
ECB-034-18	Byng Rd. - Lappan to Melinda - Reconstruction	Roads Infrastructure	4-403	0%	100%	650,000	-	-	-	-	-	-	-	-	-	650,000
ECP-002-08	Provincial Rd./Division Rd. Corridor Infrastructure Improvements	Roads Infrastructure	4-405	46%	54%	-	-	13,582,800	10,000,000	-	-	-	-	-	-	23,582,800
ECP-002-10	Banwell Rd. Infrastructure Improvements	Roads Infrastructure	4-407	95%	5%	70,000	2,100,000	500,000	2,600,832	-	-	-	-	-	-	5,270,832
ECP-003-08	Howards Avenue Corridor Infrastructure Improvements - S Cameron Boulevard to Herb Gray Blvd.	Roads Infrastructure	4-411	20%	80%	100,000	2,834,000	-	-	-	-	-	-	-	-	2,934,000
ECP-003-09	Cabana Road Infrastructure Improvements	Roads Infrastructure	4-413	50%	50%	1,291,746	3,765,980	3,849,659	-	-	-	-	-	-	-	8,907,385
ECP-013-09	La Bella Strada - Erie St. Business Improvement Area Streetscaping (SMP)	Roads Infrastructure	4-425	100%	0%	300,000	-	-	-	-	-	-	-	-	-	300,000
ECP-023-07	Parent Ave./McDougall Ave. Storm Sewer (SMP)	Roads Infrastructure	4-433	0%	100%	-	139,000	500,000	561,000	-	-	-	-	-	-	1,200,000



## Class 1: Non Discretionary Investments and or Pre-Commitments of Council

Project Number	Project Title	Major Category	Project Detail Page #	Econ. Dev., Growth, and Serv. Enhance. %	Serv. Sust. Investments %	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
EDG-001-11	Lauzon Parkway & County Rd. 42 Infrastructure Improvements	Roads Infrastructure	4-480	100%	0%	1,000,000	-	-	-	-	-	-	-	-	-	1,000,000
ENG-001-16	Sixth Concession Rd./North Talbot Rd. Infrastructure Improvements	Roads Infrastructure	4-441	75%	25%	1,000	-	-	-	-	-	-	-	-	-	1,000
ENG-003-23	E.C Row/Banwell Interchange	Roads Infrastructure	4-452	100%	0%	-	1,000,000	4,000,000	-	-	-	-	-	-	-	5,000,000
ENG-005-17	Central Box EA Road and Infrastructure Improvements (SMP)	Roads Infrastructure	4-456	69%	31%	3,560,000	3,200,000	300,000	500,000	-	-	-	-	-	-	7,560,000
ENG-026-17	Sandwich Street - Roundabout and Archeological Study	Roads Infrastructure	4-464	0%	100%	375,000	-	-	-	-	-	-	-	-	-	375,000
OPS-001-07	Road Rehabilitation - Various Locations Program	Roads Infrastructure	4-532	0%	100%	2,401,536	2,870,399	-	-	-	-	-	-	-	-	5,271,935
OPS-003-14	University Avenue Environmental Assessment Placeholder	Roads Infrastructure	4-645	12%	88%	401,000	600,000	-	-	-	-	-	-	-	-	1,001,000
OPS-004-07	Sidewalk Rehabilitation Program	Roads Infrastructure	4-545	0%	100%	305,000	-	-	-	-	-	-	-	-	-	305,000
OPS-007-19	Connecting Link 4 2019-2020 Grant - Huron Church Rd.	Roads Infrastructure	4-560	50%	50%	2,560,814	-	-	-	-	-	-	-	-	-	2,560,814
OPS-007-20	ICIP - City Wide Sidewalks (Intake 1)	Roads Infrastructure	4-562	0%	100%	451,506	-	-	-	-	-	-	-	-	-	451,506
OPS-009-20	Connecting Link Intake 5 Project - Huron Church Rd.	Roads Infrastructure	4-564	0%	100%	1,019,930	-	-	-	-	-	-	-	-	-	1,019,930
ECP-001-10	Upper Little River Stormwater Management Plan and Implementation	Sewers Infrastructure	4-468	100%	0%	2,000,000	-	-	-	-	-	-	-	-	-	2,000,000
ECP-004-09	Stormwater and Sanitary Master Plan Development (SMP)	Sewers Infrastructure	4-472	25%	75%	250,000	-	-	-	-	-	-	-	-	-	250,000
ECP-035-07	City Wide Sewer Rehabilitation Program	Sewers Infrastructure	4-435	0%	100%	8,401,000	-	2,335,000	1,230,000	-	-	-	-	-	-	11,966,000
ECP-036-07	Ojibway Sanitary Sewer Rehabilitation	Sewers Infrastructure	4-439	0%	100%	3,000,000	-	-	-	-	-	-	-	-	-	3,000,000
ENG-002-19	Sewer Master Plan Implementation (SMP)	Sewers Infrastructure	4-447	0%	100%	8,970,000	11,500,000	6,268,750	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	-	-	51,738,750
ENG-005-19	Enhanced Flooding Mitigation Program - DMAF 1	Sewers Infrastructure	4-458	4%	96%	5,350,000	10,265,000	6,550,000	6,550,000	6,550,000	6,550,000	-	-	-	-	41,815,000
ENG-005-22	DMAF 4 Large-Scale Stream Retention Treatment Basin LRWRP	Sewers Infrastructure	4-460	0%	100%	-	-	-	-	3,751,701	5,887,751	8,587,751	11,987,751	12,000,000	13,585,046	55,800,000
ENG-013-20	Sandwich St. Sewer Rehabilitation	Sewers Infrastructure	4-349	0%	100%	2,030,000	1,713,750	-	-	-	-	-	-	-	-	3,743,750
FRS-001-07	Fire & Rescue First Response Vehicle Replacement Program	Transportation	4-572	0%	100%	73,695	-	-	-	-	-	-	-	-	-	73,695
FRS-004-22	Fire & Rescue Emergency Vehicle Pre-Emption (EVP)	Transportation	4-132	0%	100%	-	-	600,000	-	-	-	-	-	-	-	600,000
OPS-001-21	Streetlight Pole Replacement Program	Transportation	4-628	0%	100%	292,304	292,304	292,304	-	-	-	-	-	-	-	876,912
OPS-005-08	Corporate Fleet Replacement Program	Transportation	4-591	0%	100%	848,678	-	-	-	-	-	-	-	-	-	848,678
TRN-001-07	Transit Windsor Fleet Replacement Program	Transportation	4-661	0%	100%	726,426	-	1,167,896	3,952,638	6,458,059	5,200,000	-	-	-	-	17,505,019
TRN-001-22	Transit Windsor Garage	Transportation	4-655	12%	88%	4,073,574	5,701,947	1,024,479	-	-	1,000,000	418,037	-	-	-	12,218,037
TRN-003-22	Automated Passenger Counter	Transportation	4-659	0%	100%	-	110,000	-	-	-	-	-	-	-	-	110,000
<b>Total Class 1: Non Discretionary Investments and or Pre-Commitments of Council</b>						<b>\$ 80,573,013</b>	<b>\$ 68,554,658</b>	<b>\$ 62,423,675</b>	<b>\$ 47,412,251</b>	<b>\$ 45,335,110</b>	<b>\$ 31,147,400</b>	<b>\$ 14,005,788</b>	<b>\$ 16,987,751</b>	<b>\$ 12,000,000</b>	<b>\$ 13,585,046</b>	<b>\$ 392,024,692</b>

## Class 2: Service Sustainability Investments

Project Number	Project Title	Major Category	Project Detail Page #	Econ. Dev., Growth, and Serv. Enhance. %	Serv. Sust. Investments %	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
ECP-009-08	Corporate Properties Site Assessments/Clean-ups/Demolitions	Corporate Property Infrastructure	4-337	0%	100%	-	-	-	-	-	-	-	-	200,000	200,000	400,000
ENG-006-17	Windsor International Aquatic Training Centre – Ongoing Capital Maintenance	Corporate Property Infrastructure	4-218	0%	100%	150,000	971,500	568,500	150,000	150,000	300,000	300,000	300,000	350,000	180,000	3,420,000
ENG-007-17	Facility Equipment Replacement Program	Corporate Property Infrastructure	4-220	0%	100%	50,000	50,000	50,000	50,000	50,000	50,000	-	-	50,000	50,000	400,000
ENG-010-17	Capitol Theatre Capital Rehabilitation Program	Corporate Property Infrastructure	4-345	0%	100%	-	750,000	750,000	-	-	100,000	100,000	100,000	-	750,000	2,550,000
ENG-011-17	400 City Hall Square - Capital Repairs	Corporate Property Infrastructure	4-347	0%	100%	129,700	1,690,300	-	500,000	500,000	100,000	100,000	100,000	100,000	225,000	3,445,000
FRS-001-19	Water Rescue Equipment - Fire & Rescue Division	Corporate Property Infrastructure	4-102	0%	100%	-	-	-	-	-	-	-	130,000	-	-	130,000
FRS-001-23	Replacement of Mobile Live Fire Training Unit (MLFTU)	Corporate Property Infrastructure	4-106	0%	100%	-	-	-	-	-	-	-	-	-	850,000	850,000
FRS-003-16	Fire Education Materials, Displays & Equipment	Corporate Property Infrastructure	4-126	0%	100%	-	-	20,000	-	-	-	-	20,000	-	-	40,000
FRS-003-19	Re-alignment of Fire & Rescue Training & Apparatus Facility	Corporate Property Infrastructure	4-114	0%	100%	-	-	-	-	-	-	-	-	400,000	-	400,000
FRS-003-20	Fire & Rescue Washer Extractor	Corporate Property Infrastructure	4-116	0%	100%	-	-	-	-	-	25,000	-	50,000	-	-	75,000
FRS-003-22	Decontamination Unit for Personal Protective Equipment (PPE)	Corporate Property Infrastructure	4-118	0%	100%	-	-	-	40,000	-	-	-	50,000	-	-	90,000
FRS-004-07	Firefighter Self-Contained Breathing Apparatus (SCBA) Replacement	Corporate Property Infrastructure	4-128	0%	100%	-	-	-	-	-	-	1,400,000	-	-	-	1,400,000
FRS-005-07	Heavy Hydraulics Replacement-Auto Extrication	Corporate Property Infrastructure	4-120	0%	100%	-	-	-	50,000	-	200,000	-	50,000	-	-	300,000
FRS-005-18	Shop Air-Compressor	Corporate Property Infrastructure	4-134	0%	100%	-	25,000	-	-	-	-	-	-	-	-	25,000
FRS-006-18	Hoist Replacement	Corporate Property Infrastructure	4-136	0%	100%	-	-	-	-	-	240,000	60,000	-	-	-	300,000
FRS-007-18	Thermal Imaging Camera - Fire & Rescue Services	Corporate Property Infrastructure	4-122	0%	100%	50,000	-	-	-	-	50,000	50,000	-	-	-	150,000
HCP-002-07	Corporate Facilities Roof Replacement Program	Corporate Property Infrastructure	4-222	0%	100%	400,000	400,000	400,000	1,200,000	200,000	1,150,000	2,820,000	1,560,000	1,525,000	2,300,000	11,955,000
HCP-002-09	Fire Hall Capital Refurbishment Program	Corporate Property Infrastructure	4-353	0%	100%	150,000	-	-	-	150,000	-	-	-	-	-	300,000
HCP-005-08	Corporate Facilities Paving Program	Corporate Property Infrastructure	4-355	0%	100%	100,000	2,000,000	100,000	-	100,000	1,000,000	4,050,000	1,000,000	850,000	250,000	9,450,000
HCP-010-07	Willistead Complex Capital Rehabilitation Program	Corporate Property Infrastructure	4-357	0%	100%	-	-	-	-	50,000	75,000	575,000	1,075,000	500,000	100,000	2,375,000
HLD-001-12	Huron Lodge Nursing Equipment Replacement Program	Corporate Property Infrastructure	4-187	0%	100%	50,000	50,000	50,000	75,000	75,000	200,000	200,000	200,000	200,000	85,000	1,185,000
HLD-001-13	Huron Lodge Beds/Mattresses/Furniture Replacement Program	Corporate Property Infrastructure	4-203	0%	100%	100,000	100,000	100,000	200,000	200,000	-	300,000	200,000	100,000	400,000	1,700,000
HLD-001-15	Huron Lodge Ceiling Mounted Resident Lift Replacement Program	Corporate Property Infrastructure	4-189	0%	100%	100,000	100,000	110,000	120,000	120,000	110,000	-	-	115,000	115,000	890,000
HLD-001-17	Huron Lodge Dietary Servery and Cafe Updates and Equipment Replacement	Corporate Property Infrastructure	4-193	0%	100%	35,000	35,000	35,000	50,000	50,000	40,000	-	50,000	50,000	-	345,000
HLD-002-12	Huron Lodge Cooking and Food Preparation Equipment Replacement Program	Corporate Property Infrastructure	4-195	0%	100%	40,000	-	42,000	45,000	45,000	-	-	50,000	50,000	100,000	372,000
HLD-002-17	Huron Lodge Resident Services Equipment Replacement	Corporate Property Infrastructure	4-205	0%	100%	-	-	-	40,000	150,000	-	-	40,000	60,000	150,000	440,000
HLD-003-15	Huron Lodge Dish Machines and Industrial Kitchen Equipment	Corporate Property Infrastructure	4-197	0%	100%	40,000	-	50,000	50,000	50,000	110,000	70,000	100,000	100,000	-	570,000
HLD-004-15	Huron Lodge Refrigeration and Freezer Equipment Replacement	Corporate Property Infrastructure	4-199	0%	100%	-	-	-	175,000	100,000	-	-	250,000	250,000	-	775,000

## Class 2: Service Sustainability Investments

Project Number	Project Title	Major Category	Project Detail Page #	Econ. Dev., Growth, and Serv. Enhance. %	Serv. Sust. Investments %	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
LGL-002-17	Demolition of Transitional Buildings	Corporate Property Infrastructure	4-142	0%	100%	-	100,000	100,000	-	-	100,000	100,000	100,000	100,000	-	600,000
OPS-004-22	Waste Disposal Bins	Corporate Property Infrastructure	4-570	0%	100%	-	-	-	-	-	-	60,550	53,500	54,450	-	168,500
OPS-005-22	Orphan Monuments, Gateways and Miscellaneous Installations and Maintenance	Corporate Property Infrastructure	4-556	0%	100%	-	200,000	25,000	-	-	25,000	25,000	25,000	-	-	300,000
OPS-007-07	Public Works Operations Facilities Refurbishment	Corporate Property Infrastructure	4-361	0%	100%	653,899	25,000	25,000	25,000	25,000	100,000	800,000	100,000	25,000	365,000	2,143,899
PFO-001-15	Huron Lodge Environmental Services Equipment Replacement	Corporate Property Infrastructure	4-225	0%	100%	-	-	-	175,000	175,000	50,000	50,000	50,000	-	100,000	600,000
PFO-001-23	Parks & Facilities Maintenance Funding	Corporate Property Infrastructure	4-227	0%	100%	-	-	-	40,000	-	-	-	-	-	100,000	140,000
PFO-002-12	Facility Structural & Building Envelope Maintenance Program	Corporate Property Infrastructure	4-367	0%	100%	50,000	50,000	550,000	150,000	500,000	750,000	1,000,000	1,500,000	500,000	500,000	5,550,000
PFO-002-14	Huron Lodge Facility Rehabilitation Program	Corporate Property Infrastructure	4-369	0%	100%	-	-	750,000	750,000	100,000	100,000	100,000	100,000	900,000	900,000	3,700,000
PFO-002-18	Facility & Parks Building Demolitions	Corporate Property Infrastructure	4-371	0%	100%	-	100,000	-	100,000	100,000	-	-	-	-	100,000	400,000
PFO-003-13	401 Riverside Drive W Capital Refurbishment	Corporate Property Infrastructure	4-373	0%	100%	125,000	-	-	125,000	125,000	125,000	100,000	100,000	-	125,000	825,000
PFO-003-14	Corporate Facilities Boiler Replacement Program	Corporate Property Infrastructure	4-375	0%	100%	50,000	50,000	50,000	150,000	150,000	50,000	50,000	50,000	500,000	-	1,100,000
PFO-004-12	Corporate Facilities Building Condition Assessments	Corporate Property Infrastructure	4-379	0%	100%	50,000	-	-	200,000	200,000	200,000	100,000	100,000	-	-	850,000
PFO-004-20	Windsor Lawn Bowling and Tennis Club Exterior Repairs	Corporate Property Infrastructure	4-381	0%	100%	100,000	-	-	-	-	100,000	50,000	50,000	-	-	300,000
PFO-008-21	Corporate Electrical Replacement/Repair Program	Corporate Property Infrastructure	4-383	0%	100%	-	-	-	-	-	750,000	150,000	150,000	150,000	1,000,000	2,200,000
PFO-009-11	Corporate Heating & Cooling Replacement/Repair Program	Corporate Property Infrastructure	4-385	0%	100%	800,000	200,000	500,000	1,130,000	600,000	1,000,000	1,500,000	1,800,000	1,000,000	1,000,000	9,530,000
PFO-010-11	Corporate Facilities Interior Renovation Program	Corporate Property Infrastructure	4-387	0%	100%	-	50,000	50,000	100,000	100,000	750,000	750,000	750,000	395,000	1,139,689	4,084,689
PFO-011-21	Public Works Truck Wash Bays	Corporate Property Infrastructure	4-391	0%	100%	-	-	-	200,000	-	-	-	50,000	-	-	250,000
PFO-013-21	Corporate Facility Equipment Maintenance Program	Corporate Property Infrastructure	4-231	0%	100%	48,000	50,000	10,000	1,050,000	-	150,000	-	-	50,000	75,000	1,433,000
PFO-014-07	Corporate Facilities Health & Safety Compliance	Corporate Property Infrastructure	4-233	0%	100%	100,000	125,000	100,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,375,000
PFO-014-21	Access Control/Building Automation System Replacements	Corporate Property Infrastructure	4-393	0%	100%	-	-	-	-	-	1,850,000	-	-	1,100,000	750,000	3,700,000
REC-005-07	Corporate Arena Refurbishments	Corporate Property Infrastructure	4-334	0%	100%	200,000	1,000,000	200,000	1,090,000	1,000,000	-	-	-	700,000	-	4,190,000
REC-006-07	Mackenzie Hall Repair and Maintenance	Corporate Property Infrastructure	4-397	0%	100%	-	-	-	-	865,461	-	-	675,000	1,284,539	100,000	2,925,000
FRS-001-20	Technology Replacements - Emergency Operations Centre (EOC)	Corporate Technology	4-104	0%	100%	-	-	-	150,000	150,000	-	-	50,000	-	-	350,000
FRS-002-07	Fire & Rescue Computer-aided Dispatch System (CRISYS)	Corporate Technology	4-124	0%	100%	-	-	-	50,000	-	-	50,000	-	-	50,000	150,000
HLD-001-11	Huron Lodge Resident Monitoring & Nurse Bedside Call System	Corporate Technology	4-185	0%	100%	100,000	-	-	-	100,000	-	-	-	500,000	-	700,000
HLD-002-15	Huron Lodge Resident Monitoring & Nurse Bedside Call System	Corporate Technology	4-191	0%	100%	-	-	25,000	20,000	20,000	-	120,000	-	20,000	20,000	225,000
HLD-006-15	Huron Lodge Dietary Management System Maintenance	Corporate Technology	4-201	0%	100%	105,000	-	35,000	-	70,000	-	-	-	50,000	60,000	320,000
ECB-028-18	Improvements to Peche Island and Boat Access	Parks & Recreation	4-241	0%	100%	-	-	-	-	-	-	500,000	-	263,670	-	763,670

## Class 2: Service Sustainability Investments

Project Number	Project Title	Major Category	Project Detail Page #	Econ. Dev., Growth, and Serv. Enhance. %	Serv. Sust. Investments %	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total	
OPS-001-15	Parks Equipment Replacement Program	Parks & Recreation	4-576	0%	100%	112,831	1,188,000	390,000	744,000	595,000	512,000	808,000	1,127,000	777,000	1,436,000	7,689,831	
PFO-001-22	Self-Watering Planters	Parks & Recreation	4-251	0%	100%	-	-	-	-	-	-	-	-	60,000	72,000	132,000	
PFO-002-15	Playgrounds Replacement Program	Parks & Recreation	4-253	0%	100%	-	-	-	1,131,353	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	13,131,353	
PFO-002-21	Parks Drainage Improvements	Parks & Recreation	4-255	0%	100%	-	175,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,750,000	
PFO-003-20	Holiday Lights Capital Maintenance	Parks & Recreation	4-318	0%	100%	-	50,000	50,000	50,000	50,000	-	50,000	-	-	50,000	300,000	
PFO-003-21	Parks Fencing and Railings	Parks & Recreation	4-261	0%	100%	-	-	-	-	-	-	-	-	225,000	325,000	550,000	
PFO-005-12	Regional Parks Rehabilitation Program	Parks & Recreation	4-269	0%	100%	-	400,000	300,000	500,000	600,000	300,000	300,000	300,000	300,000	-	3,000,000	
PFO-005-18	Shorewall Capital Rehabilitation Program	Parks & Recreation	4-271	0%	100%	8,885	-	-	-	592,000	2,295,266	600,000	600,000	600,000	600,000	5,296,151	
PFO-005-19	Parks & Recreation Service and Infrastructure Program	Parks & Recreation	4-273	0%	100%	-	395,000	500,000	-	-	-	-	-	-	-	895,000	
PFO-005-20	Natural Areas Management Program	Parks & Recreation	4-275	0%	100%	200,000	100,000	100,000	100,000	100,000	150,000	150,000	150,000	200,000	200,000	1,450,000	
PFO-006-12	Community Parks Rehabilitation Program	Parks & Recreation	4-281	0%	100%	500,000	-	-	500,000	1,300,000	-	-	-	-	-	2,300,000	
PFO-006-20	Riverfront Walkway Stabilization	Parks & Recreation	4-285	0%	100%	-	-	1,500,000	500,000	-	500,000	500,000	500,000	500,000	-	4,000,000	
PFO-007-11	Tree Maintenance and Urban Forest Enhancement Program	Parks & Recreation	4-287	0%	100%	142,184	2,245,143	1,994,143	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	2,100,000	18,961,470	
PFO-010-20	Park Bench Replacement Program	Parks & Recreation	4-302	0%	100%	-	50,000	50,000	50,000	50,000	50,000	50,000	50,000	75,000	100,000	525,000	
PFO-012-12	Park Trails Capital Rehabilitation Program	Parks & Recreation	4-306	0%	100%	-	100,000	100,000	300,000	100,000	250,000	250,000	325,000	340,000	440,000	2,205,000	
PFO-015-12	Parks Master Plan	Parks & Recreation	4-312	0%	100%	-	-	-	125,000	50,000	50,000	-	-	-	-	225,000	
PFO-017-12	Playground Equipment Removal	Parks & Recreation	4-316	0%	100%	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	150,000	50,000	1,000,000	
REC-001-18	Monument and Memorial Capital Repairs	Parks & Recreation	4-326	0%	100%	-	-	75,000	75,000	75,000	75,000	75,000	75,000	-	75,000	75,000	525,000
REC-001-21	Spirit of Windsor Train	Parks & Recreation	4-328	0%	100%	-	-	-	-	-	-	-	-	50,000	50,000	100,000	
REC-002-07	Lakeview Park Marina Rehabilitation Program	Parks & Recreation	4-330	0%	100%	-	50,000	50,000	34,000	34,000	275,000	275,000	275,000	275,000	-	1,268,000	
REC-003-07	Municipal Pools Refurbishment Program	Parks & Recreation	4-322	0%	100%	132,000	75,000	305,201	2,610,000	-	474,000	500,000	500,000	-	187,500	4,783,701	
REC-004-07	Recreation Facility Refurbishment Program	Parks & Recreation	4-324	0%	100%	50,000	300,000	50,000	100,000	50,000	300,000	300,000	300,000	185,000	112,500	1,747,500	
REC-004-08	The WFCU Centre Capital Rehabilitation Program	Parks & Recreation	4-332	0%	100%	1,100,000	-	200,000	540,000	790,000	300,000	300,000	300,000	290,000	185,000	4,005,000	
OPS-001-07	Road Rehabilitation - Various Locations Program	Roads Infrastructure	4-532	0%	100%	9,690,805	13,753,568	18,255,201	9,171,462	12,250,396	18,645,000	18,645,000	18,645,000	22,880,060	21,780,000	163,716,492	
OPS-001-11	Minor Alley Maintenance Program	Roads Infrastructure	4-539	0%	100%	200,000	200,000	200,000	200,000	200,000	250,000	250,000	250,000	250,000	250,000	2,250,000	
OPS-002-11	Minor Road Deficiencies Rehabilitation Program	Roads Infrastructure	4-541	0%	100%	2,967,386	4,075,660	4,133,934	3,800,000	3,800,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	33,776,980	
OPS-003-07	Bridge Rehabilitation Program	Roads Infrastructure	4-543	0%	100%	3,160,770	500,000	500,000	2,500,000	5,000,000	1,000,000	1,000,000	1,000,000	1,000,000	2,000,000	17,660,770	
OPS-003-14	University Avenue Environmental Assessment Placeholder	Roads Infrastructure	4-645	0%	100%	-	250,000	-	-	-	-	-	-	-	-	250,000	

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Project Number	Project Title	Major Category	Project Detail Page #	Econ. Dev., Growth, and Serv. Enhance. %	Serv. Sust. Investments %	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
OPS-004-07	Sidewalk Rehabilitation Program	Roads Infrastructure	4-545	0%	100%	451,190	1,207,696	1,207,696	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	13,366,582
OPS-006-07	"At-Grade" Railway Crossings	Roads Infrastructure	4-558	0%	100%	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	1,250,000
OPS-007-16	Cabana Rd. Pavement Markings	Roads Infrastructure	4-647	0%	100%	-	110,000	-	-	-	110,000	-	-	-	-	220,000
OPS-007-20	ICIP - City Wide Sidewalks (Intake 1)	Roads Infrastructure	4-562	0%	100%	1,067,630	533,815	355,876	177,939	-	-	-	-	-	-	2,135,260
OPS-028-18	Concrete Road Panel Repair Program	Roads Infrastructure	4-566	0%	100%	1,500,000	1,500,000	500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	14,000,000
ECP-004-08	Municipal Drains Capital Rehabilitation Program	Sewers Infrastructure	4-470	0%	100%	419,000	250,000	336,000	500,000	500,000	-	600,000	600,000	800,000	500,000	4,505,000
ECP-005-08	Grand Marais Drain Improvements (Concrete Channel)	Sewers Infrastructure	4-474	0%	100%	-	-	-	-	-	-	1,169,500	1,098,420	350,000	800,000	3,417,920
ECP-028-07	Grand Marais Drain Rehabilitation Program (Existing Naturalized Channel)	Sewers Infrastructure	4-476	0%	100%	-	-	-	200,250	999,750	1,300,000	650,000	150,000	300,000	-	3,600,000
ECP-035-07	City Wide Sewer Rehabilitation Program	Sewers Infrastructure	4-435	0%	100%	1,942,000	6,037,000	6,220,000	8,136,624	5,463,550	9,700,000	9,300,000	9,000,000	9,000,000	9,044,705	73,843,879
ENG-001-13	Capital Rehabilitation Program for Little River Steel Retaining Walls	Sewers Infrastructure	4-482	0%	100%	600,000	500,000	400,000	-	-	1,500,000	500,000	500,000	700,000	1,300,000	6,000,000
ENG-001-22	Cameron Ave Storm Trunk Sewer (SMP)	Sewers Infrastructure	4-443	0%	100%	-	-	-	-	-	-	-	-	800,000	-	800,000
ENG-002-19	Sewer Master Plan Implementation (SMP)	Sewers Infrastructure	4-447	0%	100%	-	-	1,524,471	2,500,000	6,627,801	1,100,000	3,012,820	226,580	732,799	-	15,724,471
ENG-006-23	Local Residential Road Rehabilitation	Roads Infrastructure	4-528	0%	100%	1,095,241	2,190,481	3,285,722	4,380,962	4,380,962	4,380,962	4,380,962	4,380,962	4,380,962	4,380,962	37,238,178
ENG-007-16	Basement Flooding Abatement Measures	Sewers Infrastructure	4-530	0%	100%	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,514,750	4,658,000	45,172,750
ENG-009-21	Inflow & Infiltration Program (SMP)	Sewers Infrastructure	4-500	0%	100%	175,000	175,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,925,000
ENG-012-20	Capital Improvements to East Riverside Flood Protection Dikes (SMP)	Sewers Infrastructure	4-502	0%	100%	-	-	-	-	-	-	2,399,680	1,880,000	1,000,000	1,000,000	6,279,680
ENV-001-08	Lou Romano Water Reclamation Plant	Sewers Infrastructure	4-513	0%	100%	5,388,000	3,215,000	2,120,000	2,503,000	1,420,000	2,395,000	1,028,000	2,020,000	3,570,000	1,703,000	25,362,000
ENV-001-23	Little River Landfill	Sewers Infrastructure	4-506	0%	100%	100,000	-	-	-	-	-	-	-	-	-	100,000
ENV-002-08	Little River Pollution Control Plant	Sewers Infrastructure	4-510	0%	100%	8,647,423	4,950,000	570,000	800,000	920,000	800,000	570,000	350,000	570,000	750,000	18,927,423
ENV-002-23	East Riverside Landfill	Sewers Infrastructure	4-508	0%	100%	100,000	-	-	-	-	-	-	-	-	-	100,000
ENV-003-08	Pumping Stations Maintenance	Sewers Infrastructure	4-517	0%	100%	1,625,000	1,500,000	1,630,000	780,000	220,000	320,000	320,000	820,000	520,000	345,000	8,080,000
OPS-005-19	Gravel Alley Drainage Improvements	Sewers Infrastructure	4-554	0%	100%	-	-	-	-	-	200,000	200,000	200,000	200,000	200,000	1,000,000
OPS-029-18	Curb Replacement Program	Sewers Infrastructure	4-568	0%	100%	-	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	2,700,000
ENG-007-20	Streetlights on Ottawa Street - Pierre to Howard	Transportation	4-626	0%	100%	462,753	136,589	-	-	-	-	-	-	-	-	599,342
FRS-001-07	Fire & Rescue First Response Vehicle Replacement Program	Transportation	4-572	0%	100%	15,305	3,434,000	53,000	-	2,399,000	7,117,000	5,174,000	184,000	163,000	2,666,000	21,205,305
OPS-001-13	Parking Equipment Replacement Program	Transportation	4-611	0%	100%	108,000	110,000	112,000	114,000	116,000	118,000	120,000	122,000	124,000	126,480	1,170,480
OPS-001-17	Fuel Site Equipment Replacement	Transportation	4-582	0%	100%	36,300	62,000	17,780	-	19,950	50,000	50,000	50,000	50,000	122,200	458,230
OPS-001-21	Streetlight Pole Replacement Program	Transportation	4-628	0%	100%	50,000	150,000	150,000	100,000	100,000	638,790	940,450	722,310	501,940	500,000	3,853,490

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OPS-001-23	Fleet Garage Equipment	Transportation	4-587	0%	100%	-	-	-	-	-	-	-	-	-	250,000	250,000
OPS-002-17	Fuel Site Program	Transportation	4-589	0%	100%	6,050	50,000	50,000	50,000	50,000	25,000	25,000	25,000	25,000	25,000	331,050
OPS-005-08	Corporate Fleet Replacement Program	Transportation	4-591	0%	100%	1,649,322	3,132,000	1,515,000	2,500,000	2,796,000	1,569,000	2,034,000	2,170,000	3,136,000	3,350,000	23,851,322
OPS-010-07	Advanced Traffic Management System (ATMS) - System Maintenance	Transportation	4-639	0%	100%	234,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	3,834,000
OPS-018-07	Parking Garage Capital Rehabilitation Program	Transportation	4-613	0%	100%	717,000	717,000	750,000	750,000	750,000	750,000	600,000	600,000	600,000	600,000	6,834,000
OPS-020-07	Parking Lot Rehabilitation Program	Transportation	4-617	0%	100%	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000
TRN-001-07	Transit Windsor Fleet Replacement Program	Transportation	4-661	0%	100%	-	-	(0)	-	-	-	5,200,000	5,200,000	5,200,000	-	15,600,000
TRN-001-16	Transit Windsor Fleet Refurbishment/Repair Costs	Transportation	4-664	0%	100%	300,000	300,000	300,000	300,000	300,000	400,000	400,000	400,000	400,000	500,000	3,600,000
TRN-002-08	TW Hybrid Life Extension	Transportation	4-668	0%	100%	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000
<b>Total Class 2: Service Sustainability Investments</b>						<b>\$ 53,855,674</b>	<b>\$ 68,114,752</b>	<b>\$ 60,721,524</b>	<b>\$ 66,528,590</b>	<b>\$ 72,424,870</b>	<b>\$ 84,205,018</b>	<b>\$ 94,712,962</b>	<b>\$ 82,504,772</b>	<b>\$ 90,218,170</b>	<b>\$ 84,749,036</b>	<b>\$ 758,035,368</b>

### Class 3: Investments with Components of both Sustainability and Enhancement

Project Number	Project Title	Major Category	Project Detail Page #	Econ. Dev., Growth, and Serv. Enhance. %	Serv. Sust. Investments %	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
ENG-001-23	Central Library	Corporate Property Infrastructure	4-339	13%	87%	-	-	1,619,775	2,736,008	104,217	-	-	-	-	680,000	5,140,000
FRS-003-13	New Fire Headquarters - Station #1	Corporate Property Infrastructure	4-112	59%	41%	1,127,483	372,517	-	-	1,500,000	56,816	4,394,971	12,356,045	2,304,799	5,887,369	28,000,000
PFO-001-12	Corporate Properties Security Systems and Infrastructure	Corporate Property Infrastructure	4-363	23%	77%	75,000	150,000	150,000	150,000	150,000	75,000	75,000	75,000	325,000	100,000	1,325,000
PFO-002-19	Fountain Restoration and Repairs	Corporate Property Infrastructure	4-229	65%	35%	2,206,182	250,000	2,874,046	5,009,772	660,000	-	-	-	-	-	11,000,000
PFO-010-21	Public Works Traffic Signals Control Centre Relocation Project	Corporate Property Infrastructure	4-389	23%	77%	-	-	-	600,000	-	-	-	750,000	400,000	-	1,750,000
FIN-001-17	Asset Planning Service Design and Implementation	Corporate Technology	4-149	65%	35%	520,000	-	-	-	250,000	150,000	400,000	150,000	-	-	1,470,000
ITC-001-08	Information Technology Business Continuity Improvements	Corporate Technology	4-34	54%	46%	150,000	75,000	100,000	-	-	75,000	50,000	50,000	50,000	50,000	600,000
ITC-001-19	Funding for Microsoft Software	Corporate Technology	4-46	11%	89%	-	-	-	600,000	600,000	900,000	900,000	900,000	200,000	-	4,100,000
ITC-001-22	Data & Insights	Corporate Technology	4-55	50%	50%	100,000	100,000	-	-	-	-	-	-	-	50,000	250,000
ITC-002-07	Corporate Electronic Storage and Retrieval Systems Upgrades	Corporate Technology	4-57	67%	33%	150,000	150,000	100,000	100,000	100,000	125,000	100,000	100,000	125,000	125,000	1,175,000
ITC-003-07	Information Technology Network Infrastructure Improvements	Corporate Technology	4-59	48%	52%	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	270,000	250,000	2,120,000
ITC-005-07	Corporate Data & Network Security Initiatives	Corporate Technology	4-61	58%	42%	300,000	300,000	100,000	100,000	100,000	100,000	100,000	100,000	230,000	230,000	1,660,000
ITC-006-07	Information Technology Disaster Recovery Initiatives	Corporate Technology	4-63	56%	44%	100,000	75,000	100,000	100,000	100,000	150,000	150,000	150,000	300,000	300,000	1,525,000
ITC-007-07	Corporate Intranet Redesign & Internet Accessibility Improvements	Corporate Technology	4-40	54%	46%	-	-	425,000	-	-	150,000	125,000	150,000	150,000	575,000	1,575,000
ITC-008-07	Corporate Enterprise Resource Planning (ERP) System	Corporate Technology	4-51	22%	78%	250,000	-	516,696	2,000,000	2,154,473	1,750,000	2,250,000	1,718,079	1,381,921	1,555,000	13,576,169
ITC-011-07	AMANDA Information System Upgrades and Improvements	Corporate Technology	4-53	3%	97%	200,000	200,000	200,000	-	-	250,000	250,000	250,000	250,000	250,000	1,850,000
ITC-012-07	Corporate Communications Technology	Corporate Technology	4-65	50%	50%	-	50,000	50,000	50,000	50,000	100,000	100,000	100,000	100,000	300,000	900,000
OPS-003-22	Traffic Asset Management Program	Corporate Technology	4-630	90%	10%	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
PFO-003-15	Central Riverfront Improvement Plan & Civic Esplanade / Plaza	Parks & Recreation	4-377	95%	5%	6,144,540	3,469,806	4,793,654	727,000	300,000	1,682,969	7,342,935	1,381,096	-	1,678,000	27,520,000
PFO-003-19	Parks Lighting	Parks & Recreation	4-259	27%	73%	-	100,000	100,000	100,000	100,000	100,000	100,000	100,000	500,000	300,000	1,500,000
PFO-007-12	Neighbourhood Parks Rehabilitation Program	Parks & Recreation	4-290	76%	24%	-	-	348,000	-	-	100,000	448,000	752,000	400,000	600,000	2,648,000
PFO-009-12	Park Bridges/Shelters/Buildings/Capital Rehabilitation Program	Parks & Recreation	4-296	39%	61%	-	100,000	-	132,000	500,000	300,000	300,000	150,000	500,000	943,000	2,925,000
PFO-009-20	Parks Signage	Parks & Recreation	4-298	80%	20%	-	-	-	-	-	-	-	-	400,000	100,000	500,000
PFO-013-12	Park-Related Parking Lots Capital Upgrades	Parks & Recreation	4-308	5%	95%	-	100,000	350,000	500,000	200,000	300,000	300,000	300,000	375,000	900,000	3,325,000
REC-002-14	Relocation of Sandpoint Beach	Parks & Recreation	4-320	47%	53%	-	23,000	777,000	-	-	300,000	300,000	300,000	-	-	1,700,000
ECP-002-08	Provincial Rd./Division Rd. Corridor Infrastructure Improvements	Roads Infrastructure	4-405	95%	5%	-	-	-	-	-	392,000	2,442,159	681,872	1,500,000	3,257,169	8,273,200
ECP-002-10	Banwell Rd. Infrastructure Improvements	Roads Infrastructure	4-407	67%	33%	300,000	1,003,793	2,494,375	-	-	-	-	-	-	-	3,798,168
ECP-003-08	Howarth Avenue Corridor Infrastructure Improvements- S Cameron Boulevard to Herb Gray Road	Roads Infrastructure	4-411	85%	15%	-	2,000,000	-	2,798,000	9,368,000	-	100,000	1,350,000	-	2,140,000	17,756,000

### Class 3: Investments with Components of both Sustainability and Enhancement

Project Number	Project Title	Major Category	Project Detail Page #	Econ. Dev., Growth, and Serv. Enhance. %	Serv. Sust. Investments %	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
ECP-003-09	Cabana Road Infrastructure Improvements	Roads Infrastructure	4-413	41%	59%	-	-	-	-	-	450,000	450,000	1,800,000	-	2,605,000	5,305,000
ECP-004-07	Walker Rd. Infrastructure Improvements	Roads Infrastructure	4-415	35%	65%	-	-	-	-	-	847,988	200,051	-	800,000	6,351,961	8,200,000
ECP-005-07	Tecumseh Rd. E. Infrastructure Improvements	Roads Infrastructure	4-417	23%	77%	-	-	-	873,168	1,125,000	-	1,000,000	2,701,832	-	400,000	6,100,000
ECP-014-07	University Avenue/Victoria Avenue	Roads Infrastructure	4-427	46%	54%	1,100,000	400,000	-	-	-	5,000,000	-	-	-	-	6,500,000
ECP-016-07	The Riverside Drive Vista Improvement	Roads Infrastructure	4-429	34%	66%	-	2,215,000	2,400,000	1,875,000	4,000,000	2,000,000	2,000,000	2,625,000	6,000,000	2,000,000	25,115,000
ECP-023-07	Parent Ave./McDougall Ave. Storm Sewer (SMP)	Roads Infrastructure	4-433	74%	26%	-	-	-	1,485,000	95,000	-	-	-	4,000,000	500,000	6,080,000
EDG-001-11	Lauzon Parkway & County Rd. 42 Infrastructure Improvements	Roads Infrastructure	4-480	93%	7%	-	-	3,000,000	6,103,313	5,845,714	-	6,000,000	8,050,000	500,000	500,000	29,999,027
ENG-001-16	Sixth Concession Rd./North Talbot Rd. Infrastructure Improvements	Roads Infrastructure	4-441	56%	44%	-	-	-	700,000	969,813	1,425,187	1,750,000	1,400,000	1,000,000	1,500,000	8,745,000
ENG-004-23	Dominion - Ojibway to Totten/ Ojibway Storm Outlet	Roads Infrastructure	4-454	63%	37%	-	-	-	-	298,520	1,778,051	1,250,000	500,000	2,973,429	2,000,000	8,800,000
ENG-006-20	Local Improvement Program	Roads Infrastructure	4-462	64%	36%	28,000	2,991,282	726,282	1,637,000	1,250,000	1,550,000	1,295,000	1,897,436	1,250,000	1,500,000	14,125,000
ENG-006-21	Sandwich South Road Network Improvements	Roads Infrastructure	4-496	72%	28%	-	-	-	-	-	8,000,000	2,200,000	150,000	-	-	10,350,000
ECP-001-10	Upper Little River Stormwater Management Plan and Implementation	Sewers Infrastructure	4-468	86%	14%	-	3,300,000	4,151,200	3,496,687	1,688,086	1,500,000	1,725,000	2,275,000	2,500,000	3,000,000	23,635,973
ECP-022-07	Prince Rd./Totten St. Storm Sewer Improvements – (SMP)	Sewers Infrastructure	4-431	31%	69%	-	1,898,750	1,721,250	-	-	1,000,000	2,600,000	-	750,000	700,000	8,670,000
ENG-003-13	Sixth Concession Municipal Drain - Land Acquisition & Capital Improvements	Sewers Infrastructure	4-488	76%	24%	485,000	1,145,000	100,000	-	-	-	-	-	-	-	1,730,000
ENG-003-19	New Development- Engineering Studies and EAs	Sewers Infrastructure	4-490	68%	32%	250,000	-	-	-	-	540,000	-	-	-	-	790,000
ENG-005-19	Enhanced Flooding Mitigation Program - DMAF 1	Sewers Infrastructure	4-458	6%	94%	3,705,038	5,292,094	6,624,958	3,274,443	110,923	515,046	-	-	-	-	19,522,502
ECP-001-07	Citywide Streetlight Rehabilitation & Relocations Including E.C. Row Expressway	Transportation	4-622	4%	96%	593,375	943,615	1,266,280	1,360,000	1,360,000	1,357,460	1,010,800	1,298,940	870,000	1,120,000	11,180,470
OPS-008-20	Traffic Signal Upgrades and Replacements	Transportation	4-632	23%	77%	804,673	1,721,405	1,778,137	2,430,000	2,330,000	2,100,000	2,100,000	2,100,000	2,100,000	2,100,000	19,564,215
OPS-009-07	Transportation Planning Environmental Study Reports (ESRs)	Transportation	4-649	53%	47%	100,000	100,000	100,000	100,000	-	-	-	-	200,000	45,000	645,000
TRN-001-21	Transit Windsor Master Plan Implementation	Transportation	4-666	59%	41%	583,204	-	-	400,000	-	-	-	-	-	-	983,204
<b>Total Class 3: Investments with components of both Sustainability and Enhancement</b>						<b>\$ 19,522,495</b>	<b>\$ 28,776,262</b>	<b>\$ 37,216,653</b>	<b>\$ 39,687,391</b>	<b>\$ 35,559,746</b>	<b>\$ 35,370,517</b>	<b>\$ 44,058,916</b>	<b>\$ 46,912,300</b>	<b>\$ 32,755,149</b>	<b>\$ 44,642,499</b>	<b>\$ 364,501,928</b>



## Class 4: Enhanced Service and Non Infrastructure Investments

Project Number	Project Title	Major Category	Project Detail Page #	Econ. Dev., Growth, and Serv. Enhance. %	Serv. Sust. Investments %	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
FIN-009-15	Capital Reserve Replenishment Allocation	Capital Reserve Replenishment	4-157	100%	0%	1,670,000	1,670,000	1,670,000	1,670,000	1,670,000	1,710,000	1,710,000	1,710,000	1,710,000	3,210,000	18,400,000
ECB-042-18	Theme Districting	Community & Economic Development	4-79	100%	0%	-	-	-	-	-	-	-	-	-	2,130,000	2,130,000
ENG-004-21	Airport Employment Lands	Community & Economic Development	4-492	100%	0%	-	-	-	-	-	-	-	-	934,671	-	934,671
FIN-001-14	Development Charges Study and Bylaw Update	Community & Economic Development	4-159	100%	0%	-	50,000	50,000	-	-	-	60,000	60,000	-	-	220,000
FIN-001-19	Grant Matching Funding and Mitigating Inflationary Pressures	Community & Economic Development	4-151	100%	0%	1,037,751	913,253	250,000	300,000	2,750,000	1,000,000	1,471,665	1,475,000	1,200,000	-	10,397,669
HCS-001-07	City Housing Reserve Fund	Community & Economic Development	4-174	100%	0%	1,250,000	-	-	-	-	600,000	600,000	600,000	3,000,000	3,000,000	9,050,000
HCS-001-23	Housing Hub	Community & Economic Development	4-180	100%	0%	-	-	-	5,081,916	4,918,084	-	-	-	-	250,000	10,250,000
HRS-001-19	Diversity and Inclusion Initiative (Phases 1 and 2)	Community & Economic Development	4-164	100%	0%	50,000	30,000	-	-	-	-	-	-	-	-	80,000
LGL-002-16	Environmentally Significant Lands Acquisition Placeholder	Community & Economic Development	4-140	100%	0%	-	-	-	-	-	1,500,000	-	-	-	-	1,500,000
PBG-001-18	Official Plan Review	Community & Economic Development	4-69	100%	0%	-	-	-	550,000	-	-	-	300,000	200,000	-	1,050,000
PBG-001-21	Affordable Housing Community Improvement Plan Incentives	Community & Economic Development	4-81	100%	0%	-	-	-	-	-	-	250,000	-	-	150,000	400,000
PBG-002-18	Comprehensive Zoning B-Law	Community & Economic Development	4-71	100%	0%	-	-	-	-	-	-	350,000	100,000	-	-	450,000
PBG-002-21	University Avenue West/Wyandotte St West CIP Incentives	Community & Economic Development	4-83	100%	0%	-	-	-	-	-	-	100,000	-	-	150,000	250,000
PBG-003-21	Ford City CIP	Community & Economic Development	4-85	100%	0%	-	-	-	-	-	-	100,000	-	-	50,000	150,000
PBG-004-21	Sandwich Community Development Plan	Community & Economic Development	4-87	100%	0%	-	-	-	-	-	-	100,000	-	-	100,000	200,000
PLN-001-23	Building Façade and Main St. CIP	Community & Economic Development	4-89	100%	0%	-	-	-	-	-	-	-	-	-	100,000	100,000
PLN-007-07	Growth Management Plan Review and Implementation	Community & Economic Development	4-73	100%	0%	-	-	-	-	-	-	100,000	-	200,000	-	300,000
PLN-008-07	Natural Areas Valuation Study	Community & Economic Development	4-75	100%	0%	-	-	-	100,000	-	-	-	-	-	-	100,000
PLN-010-07	Heritage Preservation Study and Identification of Incentives	Community & Economic Development	4-77	100%	0%	-	-	-	-	-	-	-	-	159,000	-	159,000
PLN-011-07	City-wide Brownfields Redevelopment	Community & Economic Development	4-93	100%	0%	-	-	-	-	-	-	-	-	-	70,000	70,000
PLN-012-07	City Centre Community Development Plan	Community & Economic Development	4-95	100%	0%	-	-	-	500,000	-	-	415,000	250,000	-	-	1,165,000
PLN-018-07	Neighbourhood Studies and Design Guidelines	Community & Economic Development	4-97	100%	0%	-	-	-	-	-	-	-	-	250,000	-	250,000
FIN-004-18	Enterprise Wide Energy Management System Software	Corporate Property Infrastructure	4-155	100%	0%	-	-	-	-	-	-	-	300,000	-	-	300,000
HCP-001-07	Accessibility - ODA Compliance	Corporate Property Infrastructure	4-161	100%	0%	-	50,000	50,000	50,000	50,000	-	-	250,000	-	-	450,000
HRS-002-08	Corporate Health and Safety Program - Assessments	Corporate Property Infrastructure	4-170	100%	0%	-	-	-	-	-	-	-	117,250	-	-	117,250
HRS-002-17	Corporate Ergonomic Equipment	Corporate Property Infrastructure	4-167	100%	0%	-	35,000	-	-	-	-	-	-	-	-	35,000
LGL-001-20	Provincial Offences Division Renovations 350 City Hall	Corporate Property Infrastructure	4-144	100%	0%	316,000	316,000	316,000	316,000	316,000	316,000	316,000	316,000	316,000	258,000	3,102,000

## Class 4: Enhanced Service and Non Infrastructure Investments

Project Number	Project Title	Major Category	Project Detail Page #	Econ. Dev., Growth, and Serv. Enhance. %	Serv. Sust. Investments %	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
LGL-001-22	Confidential Legal Matter (In-Camera)	Corporate Property Infrastructure	4-138	100%	0%	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	-	13,500,000
OPS-006-19	Food and Organic Waste Collection and Treatment	Corporate Property Infrastructure	4-359	100%	0%	-	223,000	254,000	-	-	-	-	-	-	-	477,000
ITC-001-09	Corporate Facilities Content Access Improvements	Corporate Technology	4-44	100%	0%	-	-	-	-	-	75,000	75,000	50,000	50,000	50,000	300,000
ITC-001-10	Smart Community Initiative	Corporate Technology	4-36	100%	0%	200,000	200,000	200,000	200,000	200,000	50,000	50,000	50,000	50,000	50,000	1,250,000
ITC-001-12	Fire and Rescue Records Management and Computer Aided Dispatch System Initiatives	Corporate Technology	4-42	100%	0%	-	-	-	100,000	100,000	200,000	200,000	200,000	250,000	100,000	1,150,000
ITC-001-13	Corporate Integration of Mobile Technologies	Corporate Technology	4-38	100%	0%	-	-	-	-	300,000	50,000	50,000	50,000	675,000	50,000	1,175,000
OPS-001-20	Corporate Fleet Software System	Corporate Technology	4-585	100%	0%	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	60,000	510,000
OPS-004-19	Infor Hansen Infrastructure Management System	Corporate Technology	4-619	100%	0%	-	-	-	65,000	65,000	-	-	-	45,000	30,000	205,000
PLN-005-07	Planning & Building E-Plan & E-Permit Review and Implementation	Corporate Technology	4-91	100%	0%	-	28,140	-	-	-	-	-	-	-	-	28,140
MAY-001-19	Windsor Works	Community & Economic Development	4-32	100%	0%	1,000,000	-	-	-	-	-	-	3,000,000	3,529,791	-	7,529,791
ENG-002-14	Riverside Drive Retaining Wall - Design & Construction & Facility Requirements	Parks & Recreation	4-247	100%	0%	-	-	-	-	-	-	-	-	101,982	1,648,018	1,750,000
ENG-004-22	Artificial Turf Sports Field at the McHugh Soccer Complex	Parks & Recreation	4-341	100%	0%	-	-	-	3,000,000	-	-	-	-	-	-	3,000,000
ENG-014-20	Ojibway Wildlife Overpass	Parks & Recreation	4-351	100%	0%	-	-	-	250,000	-	-	-	-	-	-	250,000
PFO-001-17	Adult Exercise Equipment	Parks & Recreation	4-249	100%	0%	-	-	-	-	-	-	-	-	150,000	150,000	300,000
PFO-003-22	Walking Trail in Parks	Parks & Recreation	4-263	100%	0%	-	-	-	-	-	-	-	-	750,000	-	750,000
PFO-004-21	Parks Sports Courts Improvements	Parks & Recreation	4-265	100%	0%	-	-	145,000	-	-	-	-	-	582,000	400,000	1,127,000
PFO-004-22	Pave Parkside Tennis and Jackson Park for Bright Lights	Parks & Recreation	4-267	100%	0%	-	-	-	-	-	-	-	-	450,000	-	450,000
PFO-005-21	Park Splash Pads	Parks & Recreation	4-277	100%	0%	-	-	-	-	-	-	-	-	400,000	500,000	900,000
PFO-005-22	New Multi-Use Trails	Parks & Recreation	4-279	100%	0%	-	-	-	600,000	-	-	-	-	-	450,000	1,050,000
PFO-006-19	Recycling Silos in Parks	Parks & Recreation	4-283	100%	0%	-	64,000	64,000	64,000	64,000	25,000	25,000	25,000	82,000	82,000	495,000
PFO-008-12	New Park Design/Development/Construction	Parks & Recreation	4-292	100%	0%	-	-	-	300,000	-	-	-	-	-	-	300,000
PFO-008-17	Riverfront Exercise Equipment	Parks & Recreation	4-294	100%	0%	-	-	-	-	-	-	-	800,000	-	-	800,000
PFO-010-17	Dog Park Development	Parks & Recreation	4-300	100%	0%	-	-	-	-	-	-	-	-	300,000	500,000	800,000
PFO-011-12	Beautification of Civic Gateways and Other Open Spaces	Parks & Recreation	4-304	100%	0%	-	-	-	300,000	300,000	-	-	-	-	-	600,000
PFO-014-12	Park Community Partnership Initiatives	Parks & Recreation	4-310	100%	0%	25,000	25,000	25,000	-	-	25,000	25,000	25,000	50,000	50,000	250,000
PFO-016-12	Parkland Acquisitions	Parks & Recreation	4-314	100%	0%	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
ECP-003-07	Grand Marais Rd. Infrastructure Improvements	Roads Infrastructure	4-409	100%	0%	-	-	-	-	-	-	-	2,000,000	2,000,000	1,000,000	5,000,000

## Class 4: Enhanced Service and Non Infrastructure Investments

Project Number	Project Title	Major Category	Project Detail Page #	Econ. Dev., Growth, and Serv. Enhance. %	Serv. Sust. Investments %	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
ECP-009-07	Intersection Improvements Program	Roads Infrastructure	4-421	100%	0%	-	500,000	500,000	-	-	250,000	750,000	500,000	400,000	400,000	3,300,000
ECP-010-07	East Riverside Planning District Infrastructure Improvements	Roads Infrastructure	4-423	100%	0%	-	400,000	-	-	-	-	2,000,000	-	-	-	2,400,000
ENG-003-17	New Streetlights on Collectors and Arterials	Roads Infrastructure	4-624	100%	0%	100,000	100,000	-	100,000	100,000	100,000	100,000	100,000	100,000	100,000	900,000
OPS-005-07	Railway Lands Fencing	Roads Infrastructure	4-552	100%	0%	100,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	100,000	100,000	1,350,000
PBG-001-14	Alley Closing Subsidy Pilot Program	Roads Infrastructure	4-67	100%	0%	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	-	-	320,000
ECP-041-07	New Infrastructure Development - Cost Sharing for Infrastructure (Developer-related)	Sewers Infrastructure	4-478	100%	0%	450,000	300,000	200,000	-	-	200,000	500,000	500,000	500,000	500,000	3,150,000
ENG-001-19	Bio-Solids / Source Organics Disposal Study	Sewers Infrastructure	4-504	100%	0%	-	-	-	-	-	-	500,000	-	-	-	500,000
ENG-002-16	Improvements to Little River Municipal Drain (Lauzon Rd. to VIA Tracks)	Sewers Infrastructure	4-484	100%	0%	-	265,000	500,000	-	-	-	-	-	-	-	765,000
ENG-002-22	Jefferson Drainage Area (SMP)	Sewers Infrastructure	4-450	100%	0%	-	324,498	751	-	-	1,637,751	-	-	-	750,000	2,713,000
ENG-002-23	LGES (NextStar Energy Inc) Electric Vehicle Battery Plant – Site Servicing	Sewers Infrastructure	4-486	100%	0%	7,574,810	425,190	-	-	-	-	-	-	-	-	8,000,000
ENG-005-21	East West Arterial Drain Diversion	Sewers Infrastructure	4-494	100%	0%	2,000,000	2,000,000	2,000,000	-	-	-	690,000	-	345,000	-	7,035,000
ENG-007-21	9th Concession- Trunks Sanitary Sewer	Sewers Infrastructure	4-498	100%	0%	-	-	432,800	-	-	-	1,567,200	1,000,000	-	-	3,000,000
ECP-008-07	Pedestrian Safety Improvements	Transportation	4-419	100%	0%	-	100,000	-	100,000	-	100,000	-	100,000	100,000	-	500,000
ENG-002-17	Bus Bay Program	Transportation	4-445	100%	0%	100,000	100,000	-	-	100,000	100,000	100,000	100,000	50,000	-	650,000
OPS-001-18	School Neighbourhood Policy	Transportation	4-641	100%	0%	150,000	40,000	50,000	50,000	50,000	100,000	100,000	107,800	-	-	647,800
OPS-001-19	Pedestrian Crossovers	Transportation	4-643	100%	0%	-	-	-	-	-	100,000	-	-	-	103,000	203,000
OPS-014-07	Citywide Bikeway Development Initiatives	Transportation	4-651	100%	0%	200,000	400,000	400,000	400,000	100,000	100,000	100,000	100,000	600,000	281,000	2,681,000
OPS-019-07	New Parking Lot Development	Transportation	4-615	100%	0%	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000
OPS-021-07	Traffic Calming Initiatives	Transportation	4-653	100%	0%	-	-	-	400,000	-	100,000	-	-	1,140,000	281,000	1,921,000
OPS-022-07	Purchase of Fleet Additions and Upgrades	Transportation	4-603	100%	0%	650,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	2,000,000
OPS-027-18	Greening the Fleet	Transportation	4-609	100%	0%	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000	150,000	800,000
TRN-001-22	Transit Windsor Garage	Transportation	4-655	100%	0%	(0)	-	0	-	-	-	-	1,581,963	-	-	1,581,963
TRN-003-07	Transit Windsor - Shelters/Signage/Amenities Maintenance and Replacement	Transportation	4-657	100%	0%	52,000	53,000	54,100	55,200	56,300	77,400	58,500	59,700	60,894	62,112	589,206
TRN-007-21	Support Vehicles	Transportation	4-670	100%	0%	-	-	-	-	-	103,382	105,449	107,558	109,709	111,903	538,001
<b>Total Class 4: Enhanced Service and Non Infrastructure Investments</b>						<b>\$ 18,715,561</b>	<b>\$ 10,702,081</b>	<b>\$ 9,251,651</b>	<b>\$ 16,642,116</b>	<b>\$ 13,229,384</b>	<b>\$ 10,609,533</b>	<b>\$ 14,658,814</b>	<b>\$ 18,025,271</b>	<b>\$ 23,041,047</b>	<b>\$ 17,727,033</b>	<b>\$ 152,602,491</b>

## Class 5: Agencies, Boards & Committees (ABC's) Investments

Project Number	Project Title	Major Category	Project Detail Page #	Econ. Dev., Growth, and Serv. Enhance. %	Serv. Sust. Investments %	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
ECP-010-09	Airport Various Asset Replacement/Refurbishment/Upgrades	Agencies, Boards and Committees (ABC's)	4-6	100%	0%	42,000	275,000	1,000,000	1,000,000	2,500,000	-	-	-	115,000	130,000	5,062,000
ECP-046-07	Airport Drainage and Pavement Improvements	Agencies, Boards and Committees (ABC's)	4-8	100%	0%	195,000	-	-	1,450,000	100,000	100,000	100,000	100,000	100,000	150,000	2,295,000
HCS-001-14	Windsor Essex Community Housing Corporation Capital Repair and Renewal	Agencies, Boards and Committees (ABC's)	4-177	95%	5%	3,200,000	3,200,000	7,373,818	6,760,291	10,484,414	10,783,904	5,081,916	5,081,916	5,081,916	5,081,916	62,130,091
HCS-002-23	Windsor Essex Community Housing Corporation Capital Improvements	Agencies, Boards and Committees (ABC's)	4-183	100%	0%	-	-	-	-	-	-	3,200,000	3,200,000	3,200,000	3,200,000	12,800,000
ITC-002-16	Corporate Radio Infrastructure	Agencies, Boards and Committees (ABC's)	4-10	100%	0%	-	-	1,600,000	600,000	-	-	-	-	-	1,590,000	3,790,000
POL-001-09	Windsor Police Service Fleet Replacement/Refurbishment Program	Agencies, Boards and Committees (ABC's)	4-14	100%	0%	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	12,680,000
POL-001-20	Advanced Analytics and Process Optimization	Agencies, Boards and Committees (ABC's)	4-16	100%	0%	-	-	-	250,000	250,000	640,000	600,000	600,000	-	-	2,340,000
POL-002-19	Windsor Police Service - Specialized Equipment	Agencies, Boards and Committees (ABC's)	4-18	100%	0%	725,000	1,210,000	820,000	350,000	500,000	2,185,000	725,000	535,000	855,000	560,000	8,465,000
POL-003-19	Windsor Police Service - Technology Projects	Agencies, Boards and Committees (ABC's)	4-20	100%	0%	325,000	325,000	325,000	325,000	325,000	325,000	325,000	425,000	425,000	425,000	3,550,000
POL-004-19	Windsor Police Service - Telecommunications	Agencies, Boards and Committees (ABC's)	4-22	100%	0%	425,000	200,000	200,000	200,000	800,000	200,000	200,000	250,000	250,000	250,000	2,975,000
POL-005-19	Windsor Police Service - Facility Projects	Agencies, Boards and Committees (ABC's)	4-24	100%	0%	500,000	150,000	150,000	300,000	100,000	100,000	100,000	200,000	250,000	100,000	1,950,000
RGC-001-18	Roseland/Little River Golf Courses Asset Replacement/Improvements	Agencies, Boards and Committees (ABC's)	4-4	100%	0%	-	-	250,000	2,759,384	-	-	-	-	-	1,000,000	4,009,384
TRN-005-07	Handi-Transit Bus Acquisitions	Agencies, Boards and Committees (ABC's)	4-2	100%	0%	120,000	-	-	555,000	155,000	300,000	300,000	300,000	500,000	-	2,230,000
WPL-001-17	Windsor Public Library Refurbishments	Agencies, Boards and Committees (ABC's)	4-208	100%	0%	33,752	46,000	46,000	31,000	48,000	-	-	-	138,000	98,000	440,752
WPL-001-20	WPL Electronic Signs	Agencies, Boards and Committees (ABC's)	4-210	100%	0%	-	-	-	-	-	-	90,000	-	92,000	68,000	250,000
WPL-001-23	Equipment Upgrades	Agencies, Boards and Committees (ABC's)	4-212	100%	0%	-	-	-	-	17,000	-	-	-	-	25,000	42,000
WPL-002-18	Windsor Public Library Materials Acquisitions	Agencies, Boards and Committees (ABC's)	4-214	100%	0%	125,000	150,000	150,000	150,000	133,000	200,000	200,000	-	150,000	225,000	1,483,000
WPL-002-20	Library Self Checkouts	Agencies, Boards and Committees (ABC's)	4-216	100%	0%	-	-	-	-	-	40,000	40,000	80,000	55,000	150,000	365,000
<b>Total Class 5: Agencies, Boards &amp; Committees (ABC's) Investments</b>						<b>\$ 6,958,752</b>	<b>\$ 6,824,000</b>	<b>\$ 13,182,818</b>	<b>\$ 15,998,675</b>	<b>\$ 16,680,414</b>	<b>\$ 16,141,904</b>	<b>\$ 12,229,916</b>	<b>\$ 12,039,916</b>	<b>\$ 12,479,916</b>	<b>\$ 14,320,916</b>	<b>\$ 126,857,227</b>

# **2023 Approved Capital Budget**



## **10 - Year Capital Project Listing by Major Category**

**City Of Windsor**  
**Capital Project Listing By Major Category (Gross)**  
For Budget Year 2023

Roads Infrastructure													
Page #	Project #	Project Name	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
4-399	ECB-001-18	California/Pulford - Norfolk to Daytona	1,200,000	0	0	0	0	0	0	0	0	0	1,200,000
4-401	ECB-017-18	Pillette Rd. - Seminole via VIA Tracks - Reconstruction	950,000	0	0	0	0	0	0	0	0	0	950,000
4-522	ECB-030-18	Wyandotte St. - St. Rose to Janisse - Repair WB, Reconstruct EB	440,000	0	0	0	0	0	0	0	0	0	440,000
4-524	ECB-031-18	Courtland Cres. - South National to South National - Mill and Pave	120,000	0	0	0	0	0	0	0	0	0	120,000
4-526	ECB-032-18	Annie St. - Tecumseh to Cul-de-sac - Mill and Pave	90,000	0	0	0	0	0	0	0	0	0	90,000
4-403	ECB-034-18	Byng Rd. - Lappan to Melinda - Reconstruction	650,000	0	0	0	0	0	0	0	0	0	650,000
4-405	ECP-002-08	Provincial Rd./Division Rd. Corridor Infrastructure Improvements	0	0	13,582,800	10,000,000	0	392,000	2,442,159	681,872	1,500,000	3,257,169	31,856,000
4-407	ECP-002-10	Banwell Rd. Infrastructure Improvements	370,000	3,103,793	2,994,375	2,600,832	0	0	0	0	0	0	9,069,000
4-409	ECP-003-07	Grand Marais Rd. Infrastructure Improvements	0	0	0	0	0	0	0	2,000,000	2,000,000	1,000,000	5,000,000
4-411	ECP-003-08	Howard Avenue Corridor Infrastructure Improvements- S Cameron Boulevard to Herb Gray Parkway	100,000	4,834,000	0	2,798,000	9,368,000	0	100,000	1,350,000	0	2,140,000	20,690,000
4-413	ECP-003-09	Cabana Road Infrastructure Improvements	1,291,746	3,765,980	3,849,659	0	0	450,000	450,000	1,800,000	0	2,605,000	14,212,385
4-415	ECP-004-07	Walker Rd. Infrastructure Improvements	0	0	0	0	0	847,988	200,051	0	800,000	6,351,961	8,200,000
4-417	ECP-005-07	Tecumseh Rd. E. Infrastructure Improvements	0	0	0	873,168	1,125,000	0	1,000,000	2,701,832	0	400,000	6,100,000
4-421	ECP-009-07	Intersection Improvements Program	0	500,000	500,000	0	0	250,000	750,000	500,000	400,000	400,000	3,300,000
4-423	ECP-010-07	East Riverside Planning District Infrastructure Improvements	0	400,000	0	0	0	0	2,000,000	0	0	0	2,400,000
4-425	ECP-013-09	La Bella Strada - Erie St. Business Improvement Area Streetscaping (SMP)	300,000	0	0	0	0	0	0	0	0	0	300,000
4-427	ECP-014-07	University Avenue/Victoria Avenue	1,100,000	400,000	0	0	0	5,000,000	0	0	0	0	6,500,000
4-429	ECP-016-07	The Riverside Drive Vista Improvement	0	2,215,000	2,400,000	1,875,000	4,000,000	2,000,000	2,000,000	2,625,000	6,000,000	2,000,000	25,115,000
4-433	ECP-023-07	Parent Ave./McDougall Ave. Storm Sewer (SMP)	0	139,000	500,000	2,046,000	95,000	0	0	0	4,000,000	500,000	7,280,000
4-480	EDG-001-11	Lauzon Parkway & County Rd. 42 Infrastructure Improvements	1,000,000	0	3,000,000	6,103,313	5,845,714	0	6,000,000	8,050,000	500,000	500,000	30,999,027
4-441	ENG-001-16	Sixth Concession Rd./North Talbot Rd. Infrastructure Improvements	1,000	0	0	700,000	969,813	1,425,187	1,750,000	1,400,000	1,000,000	1,500,000	8,746,000
4-624	ENG-003-17	New Streetlights on Collectors and Arterials	100,000	100,000	0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	900,000
4-452	ENG-003-23	E.C Row/Banwell Interchange	0	1,000,000	4,000,000	0	0	0	0	0	0	0	5,000,000
4-454	ENG-004-23	Dominion - Ojibway to Totten/ Ojibway Storm Outlet	0	0	0	0	298,520	1,778,051	1,250,000	500,000	2,973,429	2,000,000	8,800,000
4-456	ENG-005-17	Central Box EA Road and Infrastructure Improvements (SMP)	3,560,000	3,200,000	300,000	500,000	0	0	0	0	0	0	7,560,000
4-462	ENG-006-20	Local Improvement Program	28,000	2,991,282	726,282	1,637,000	1,250,000	1,550,000	1,295,000	1,897,436	1,250,000	1,500,000	14,125,000
4-496	ENG-006-21	Sandwich South Road Network Improvements	0	0	0	0	0	8,000,000	2,200,000	150,000	0	0	10,350,000
4-528	ENG-006-23	Local Residential Road Rehabilitation	1,095,241	2,190,481	3,285,722	4,380,962	4,380,962	4,380,962	4,380,962	4,380,962	4,380,962	4,380,962	37,238,178
4-464	ENG-026-17	Sandwich Street - Roundabout and Archeological Study	375,000	0	0	0	0	0	0	0	0	0	375,000
4-532	OPS-001-07	Road Rehabilitation - Various Locations Program	12,092,341	16,623,967	18,255,201	9,171,462	12,250,396	18,645,000	18,645,000	18,645,000	22,880,060	21,780,000	168,988,427
4-539	OPS-001-11	Minor Alley Maintenance Program	200,000	200,000	200,000	200,000	200,000	250,000	250,000	250,000	250,000	250,000	2,250,000
4-541	OPS-002-11	Minor Road Deficiencies Rehabilitation Program	2,967,386	4,075,660	4,133,934	3,800,000	3,800,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	33,776,980
4-543	OPS-003-07	Bridge Rehabilitation Program	3,160,770	500,000	500,000	2,500,000	5,000,000	1,000,000	1,000,000	1,000,000	1,000,000	2,000,000	17,660,770
4-645	OPS-003-14	University Avenue Environmental Assessment Placeholder	401,000	850,000	0	0	0	0	0	0	0	0	1,251,000
4-545	OPS-004-07	Sidewalk Rehabilitation Program	756,190	1,207,696	1,207,696	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	13,671,582
4-552	OPS-005-07	Railway Lands Fencing	100,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	100,000	100,000	1,350,000
4-558	OPS-006-07	"At-Grade" Railway Crossings	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	1,250,000
4-647	OPS-007-16	Cabana Rd. Pavement Markings	0	110,000	0	0	0	110,000	0	0	0	0	220,000
4-560	OPS-007-19	Connecting Link 4 2019-2020 Grant - Huron Church Rd.	2,560,814	0	0	0	0	0	0	0	0	0	2,560,814
4-562	OPS-007-20	ICIP - City Wide Sidewalks (Intake 1)	1,519,136	533,815	355,876	177,939	0	0	0	0	0	0	2,586,766
4-564	OPS-009-20	Connecting Link Intake 5 Project - Huron Church Rd.	1,019,930	0	0	0	0	0	0	0	0	0	1,019,930
4-566	OPS-028-18	Concrete Road Panel Repair Program	1,500,000	1,500,000	500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	14,000,000
4-67	PBG-001-14	Alley Closing Subsidy Pilot Program	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	0	0	320,000
<b>Roads Infrastructure Total</b>			<b>39,213,554</b>	<b>50,755,674</b>	<b>60,606,545</b>	<b>52,778,676</b>	<b>51,998,405</b>	<b>52,494,188</b>	<b>52,128,172</b>	<b>54,347,102</b>	<b>55,259,451</b>	<b>58,890,092</b>	<b>528,471,859</b>

**City Of Windsor**  
**Capital Project Listing By Major Category (Gross)**  
For Budget Year 2023

<b>Sewers Infrastructure</b>													
Page #	Project #	Project Name	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
4-468	ECP-001-10	Upper Little River Stormwater Management Plan and Implementation	2,000,000	3,300,000	4,151,200	3,496,687	1,688,086	1,500,000	1,725,000	2,275,000	2,500,000	3,000,000	25,635,973
4-470	ECP-004-08	Municipal Drains Capital Rehabilitation Program	419,000	250,000	336,000	500,000	500,000	0	600,000	600,000	800,000	500,000	4,505,000
4-472	ECP-004-09	Stormwater and Sanitary Master Plan Development (SMP)	250,000	0	0	0	0	0	0	0	0	0	250,000
4-474	ECP-005-08	Grand Marais Drain Improvements (Concrete Channel)	0	0	0	0	0	0	1,169,500	1,098,420	350,000	800,000	3,417,920
4-431	ECP-022-07	Prince Rd./Totten St. Storm Sewer Improvements – (SMP)	0	1,898,750	1,721,250	0	0	1,000,000	2,600,000	0	750,000	700,000	8,670,000
4-476	ECP-028-07	Grand Marais Drain Rehabilitation Program (Existing Naturalized Channel)	0	0	0	200,250	999,750	1,300,000	650,000	150,000	300,000	0	3,600,000
4-435	ECP-035-07	City Wide Sewer Rehabilitation Program	10,343,000	6,037,000	8,555,000	9,366,624	5,463,550	9,700,000	9,300,000	9,000,000	9,000,000	9,044,705	85,809,879
4-439	ECP-036-07	Ojibway Sanitary Sewer Rehabilitation	3,000,000	0	0	0	0	0	0	0	0	0	3,000,000
4-478	ECP-041-07	New Infrastructure Development - Cost Sharing for Infrastructure (Developer-related)	450,000	300,000	200,000	0	0	200,000	500,000	500,000	500,000	500,000	3,150,000
4-482	ENG-001-13	Capital Rehabilitation Program for Little River Steel Retaining Walls	600,000	500,000	400,000	0	0	1,500,000	500,000	500,000	700,000	1,300,000	6,000,000
4-504	ENG-001-19	Bio-Solids / Source Organics Disposal Study	0	0	0	0	0	0	500,000	0	0	0	500,000
4-443	ENG-001-22	Cameron Ave Storm Trunk Sewer (SMP)	0	0	0	0	0	0	0	0	800,000	0	800,000
4-484	ENG-002-16	Improvements to Little River Municipal Drain (Lauzon Rd. to VIA Tracks)	0	265,000	500,000	0	0	0	0	0	0	0	765,000
4-447	ENG-002-19	Sewer Master Plan Implementation (SMP)	8,970,000	11,500,000	7,793,221	7,500,000	11,627,801	6,100,000	8,012,820	5,226,580	732,799	0	67,463,221
4-450	ENG-002-22	Jefferson Drainage Area (SMP)	0	324,498	751	0	0	1,637,751	0	0	0	750,000	2,713,000
4-486	ENG-002-23	LGES (NextStar Energy Inc) Electric Vehicle Battery Plant – Site Servicing	7,574,810	425,190	0	0	0	0	0	0	0	0	8,000,000
4-488	ENG-003-13	Sixth Concession Municipal Drain - Land Acquisition & Capital Improvements	485,000	1,145,000	100,000	0	0	0	0	0	0	0	1,730,000
4-490	ENG-003-19	New Development- Engineering Studies and EAs	250,000	0	0	0	0	540,000	0	0	0	0	790,000
4-458	ENG-005-19	Enhanced Flooding Mitigation Program - DMAF 1	9,055,038	15,557,094	13,174,958	9,824,443	6,660,923	7,065,046	0	0	0	0	61,337,502
4-494	ENG-005-21	East West Arterial Drain Diversion	2,000,000	2,000,000	2,000,000	0	0	0	690,000	0	345,000	0	7,035,000
4-460	ENG-005-22	DMAF 4 Large-Scale Stream Retention Treatment Basin LRWRP	0	0	0	0	3,751,701	5,887,751	8,587,751	11,987,751	12,000,000	13,585,046	55,800,000
4-530	ENG-007-16	Basement Flooding Abatement Measures	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,514,750	4,658,000	45,172,750
4-498	ENG-007-21	9th Concession- Trunks Sanitary Sewer	0	0	432,800	0	0	0	1,567,200	1,000,000	0	0	3,000,000
4-500	ENG-009-21	Inflow & Infiltration Program (SMP)	175,000	175,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,925,000
4-502	ENG-012-20	Capital Improvements to East Riverside Flood Protection Dikes (SMP)	0	0	0	0	0	0	2,399,680	1,880,000	1,000,000	1,000,000	6,279,680
4-349	ENG-013-20	Sandwich St. Sewer Rehabilitation	2,030,000	1,713,750	0	0	0	0	0	0	0	0	3,743,750
4-513	ENV-001-08	Lou Romano Water Reclamation Plant	5,388,000	3,215,000	2,120,000	2,503,000	1,420,000	2,395,000	1,028,000	2,020,000	3,570,000	1,703,000	25,362,000
4-506	ENV-001-23	Little River Landfill	100,000	0	0	0	0	0	0	0	0	0	100,000
4-510	ENV-002-08	Little River Pollution Control Plant	8,647,423	4,950,000	570,000	800,000	920,000	800,000	570,000	350,000	570,000	750,000	18,927,423
4-508	ENV-002-23	East Riverside Landfill	100,000	0	0	0	0	0	0	0	0	0	100,000
4-517	ENV-003-08	Pumping Stations Maintenance	1,625,000	1,500,000	1,630,000	780,000	220,000	320,000	320,000	820,000	520,000	345,000	8,080,000
4-554	OPS-005-19	Gravel Alley Drainage Improvements	0	0	0	0	0	200,000	200,000	200,000	200,000	200,000	1,000,000
4-568	OPS-029-18	Curb Replacement Program	0	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	2,700,000
<b>Sewers Infrastructure Total</b>			<b>67,962,271</b>	<b>59,856,282</b>	<b>48,660,180</b>	<b>39,971,004</b>	<b>38,251,811</b>	<b>45,145,548</b>	<b>45,919,951</b>	<b>42,607,751</b>	<b>39,652,549</b>	<b>39,335,751</b>	<b>467,363,098</b>

**City Of Windsor**  
**Capital Project Listing By Major Category (Gross)**  
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<b>Transportation</b>													
<b>Page #</b>	<b>Project #</b>	<b>Project Name</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
4-622	ECP-001-07	Citywide Streetlight Rehabilitation & Relocations Including E.C. Row Expressway	593,375	943,615	1,266,280	1,360,000	1,360,000	1,357,460	1,010,800	1,298,940	870,000	1,120,000	11,180,470
4-419	ECP-008-07	Pedestrian Safety Improvements	0	100,000	0	100,000	0	100,000	0	100,000	100,000	0	500,000
4-445	ENG-002-17	Bus Bay Program	100,000	100,000	0	0	100,000	100,000	100,000	100,000	50,000	0	650,000
4-626	ENG-007-20	Streetlights on Ottawa Street - Pierre to Howard	462,753	136,589	0	0	0	0	0	0	0	0	599,342
4-572	FRS-001-07	Fire & Rescue First Response Vehicle Replacement Program	89,000	3,434,000	53,000	0	2,399,000	7,117,000	5,174,000	184,000	163,000	2,666,000	21,279,000
4-132	FRS-004-22	Fire & Rescue Emergency Vehicle Pre-Emption (EVP)	0	0	600,000	0	0	0	0	0	0	0	600,000
4-611	OPS-001-13	Parking Equipment Replacement Program	108,000	110,000	112,000	114,000	116,000	118,000	120,000	122,000	124,000	126,480	1,170,480
4-582	OPS-001-17	Fuel Site Equipment Replacement	36,300	62,000	17,780	0	19,950	50,000	50,000	50,000	50,000	122,200	458,230
4-641	OPS-001-18	School Neighbourhood Policy	150,000	40,000	50,000	50,000	50,000	100,000	100,000	107,800	0	0	647,800
4-643	OPS-001-19	Pedestrian Crossovers	0	0	0	0	0	100,000	0	0	0	103,000	203,000
4-628	OPS-001-21	Streetlight Pole Replacement Program	342,304	442,304	442,304	100,000	100,000	638,790	940,450	722,310	501,940	500,000	4,730,402
4-587	OPS-001-23	Fleet Garage Equipment	0	0	0	0	0	0	0	0	0	250,000	250,000
4-589	OPS-002-17	Fuel Site Program	6,050	50,000	50,000	50,000	50,000	25,000	25,000	25,000	25,000	25,000	331,050
4-591	OPS-005-08	Corporate Fleet Replacement Program	2,498,000	3,132,000	1,515,000	2,500,000	2,796,000	1,569,000	2,034,000	2,170,000	3,136,000	3,350,000	24,700,000
4-632	OPS-008-20	Traffic Signal Upgrades and Replacements	804,673	1,721,405	1,778,137	2,430,000	2,330,000	2,100,000	2,100,000	2,100,000	2,100,000	2,100,000	19,564,215
4-649	OPS-009-07	Transportation Planning Environmental Study Reports (ESRs)	100,000	100,000	100,000	100,000	0	0	0	0	200,000	45,000	645,000
4-639	OPS-010-07	Advanced Traffic Management System (ATMS) - System Maintenance	234,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	3,834,000
4-651	OPS-014-07	Citywide Bikeway Development Initiatives	200,000	400,000	400,000	400,000	100,000	100,000	100,000	100,000	600,000	281,000	2,681,000
4-613	OPS-018-07	Parking Garage Capital Rehabilitation Program	717,000	717,000	750,000	750,000	750,000	750,000	600,000	600,000	600,000	600,000	6,834,000
4-615	OPS-019-07	New Parking Lot Development	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000
4-617	OPS-020-07	Parking Lot Rehabilitation Program	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000
4-653	OPS-021-07	Traffic Calming Initiatives	0	0	0	400,000	0	100,000	0	0	1,140,000	281,000	1,921,000
4-603	OPS-022-07	Purchase of Fleet Additions and Upgrades	650,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	2,000,000
4-609	OPS-027-18	Greening the Fleet	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000	150,000	800,000
4-661	TRN-001-07	Transit Windsor Fleet Replacement Program	726,426	0	1,167,896	3,952,638	6,458,059	5,200,000	5,200,000	5,200,000	5,200,000	0	33,105,019
4-664	TRN-001-16	Transit Windsor Fleet Refurbishment/Repair Costs	300,000	300,000	300,000	300,000	300,000	400,000	400,000	400,000	400,000	500,000	3,600,000
4-666	TRN-001-21	Transit Windsor Master Plan Implementation	583,204	0	0	400,000	0	0	0	0	0	0	983,204
4-655	TRN-001-22	Transit Windsor Garage	4,073,574	5,701,947	1,024,479	0	0	1,000,000	418,037	1,581,963	0	0	13,800,000
4-668	TRN-002-08	TW Hybrid Life Extension	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000
4-657	TRN-003-07	Transit Windsor - Shelters/Signage/Amenities Maintenance and Replacement	52,000	53,000	54,100	55,200	56,300	77,400	58,500	59,700	60,894	62,112	589,206
4-659	TRN-003-22	Automated Passenger Counter	0	110,000	0	0	0	0	0	0	0	0	110,000
4-670	TRN-007-21	Support Vehicles	0	0	0	0	0	103,382	105,449	107,558	109,709	111,903	538,001
<b>Transportation Total</b>			<b>13,376,659</b>	<b>18,753,860</b>	<b>10,780,976</b>	<b>14,161,838</b>	<b>18,085,309</b>	<b>22,206,032</b>	<b>19,636,236</b>	<b>16,129,271</b>	<b>16,730,543</b>	<b>13,443,695</b>	<b>163,304,419</b>



**City Of Windsor**  
**Capital Project Listing By Major Category (Gross)**  
For Budget Year 2023

<b>Parks &amp; Recreation</b>													
Page #	Project #	Project Name	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
4-235	ECB-004-18	Wigle Park Capital Improvements	175,000	0	0	0	0	0	0	0	0	0	175,000
4-237	ECB-011-18	Stodgell Park Redevelopment	460,000	0	0	0	0	0	0	0	0	0	460,000
4-239	ECB-026-18	Elizabeth Kishkon Park - Install Washroom	450,000	0	0	0	0	0	0	0	0	0	450,000
4-241	ECB-028-18	Improvements to Peche Island and Boat Access	800,000	0	0	0	0	0	500,000	0	263,670	0	1,563,670
4-243	ECB-029-18	Wayfinding Signage and Markers - Ganatchio Trail/Little River	100,000	0	0	0	0	0	0	0	0	0	100,000
4-245	ECB-041-18	Off-Road Cycling Trails	700,000	0	0	0	0	0	0	0	0	0	700,000
4-247	ENG-002-14	Riverside Drive Retaining Wall - Design & Construction & Facility Requirements	0	0	0	0	0	0	0	0	101,982	1,648,018	1,750,000
4-341	ENG-004-22	Artificial Turf Sports Field at the McHugh Soccer Complex	0	0	0	3,000,000	0	0	0	0	0	0	3,000,000
4-351	ENG-014-20	Ojibway Wildlife Overpass	0	0	0	250,000	0	0	0	0	0	0	250,000
4-576	OPS-001-15	Parks Equipment Replacement Program	752,000	1,188,000	390,000	744,000	595,000	512,000	808,000	1,127,000	777,000	1,436,000	8,329,000
4-249	PFO-001-17	Adult Exercise Equipment	0	0	0	0	0	0	0	0	150,000	150,000	300,000
4-365	PFO-001-21	Legacy Beacon/Streetcar #351	50,955	0	0	0	0	0	0	0	0	0	50,955
4-251	PFO-001-22	Self-Watering Planters	0	0	0	0	0	0	0	0	60,000	72,000	132,000
4-253	PFO-002-15	Playgrounds Replacement Program	1,343,875	2,510,302	2,226,728	2,903,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	20,983,905
4-255	PFO-002-21	Parks Drainage Improvements	175,000	175,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,925,000
4-377	PFO-003-15	Central Riverfront Improvement Plan & Civic Esplanade / Plaza	6,144,540	3,469,806	4,793,654	727,000	300,000	1,682,969	7,342,935	1,381,096	0	1,678,000	27,520,000
4-257	PFO-003-18	Fred Thomas Splash Pad (Glengarry)	150,000	0	0	0	0	0	0	0	0	0	150,000
4-259	PFO-003-19	Parks Lighting	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	500,000	300,000	1,600,000
4-318	PFO-003-20	Holiday Lights Capital Maintenance	105,801	50,000	50,000	50,000	50,000	0	50,000	0	0	50,000	405,801
4-261	PFO-003-21	Parks Fencing and Railings	0	0	0	0	0	0	0	0	225,000	325,000	550,000
4-263	PFO-003-22	Walking Trail in Parks	0	0	0	0	0	0	0	0	750,000	0	750,000
4-265	PFO-004-21	Parks Sports Courts Improvements	300,000	0	195,000	0	0	0	0	0	582,000	400,000	1,477,000
4-267	PFO-004-22	Pave Parkside Tennis and Jackson Park for Bright Lights	0	0	0	0	0	0	0	0	450,000	0	450,000
4-269	PFO-005-12	Regional Parks Rehabilitation Program	0	400,000	300,000	500,000	600,000	300,000	300,000	300,000	300,000	0	3,000,000
4-271	PFO-005-18	Shorewall Capital Rehabilitation Program	8,885	0	0	0	592,000	2,295,266	600,000	600,000	600,000	600,000	5,296,151
4-273	PFO-005-19	Parks & Recreation Service and Infrastructure Program	105,000	395,000	500,000	0	0	0	0	0	0	0	1,000,000
4-275	PFO-005-20	Natural Areas Management Program	200,000	100,000	100,000	100,000	100,000	150,000	150,000	150,000	200,000	200,000	1,450,000
4-277	PFO-005-21	Park Splash Pads	50,000	50,000	0	0	0	0	0	0	400,000	500,000	1,000,000
4-279	PFO-005-22	New Multi-Use Trails	0	0	0	600,000	0	0	0	0	0	450,000	1,050,000
4-281	PFO-006-12	Community Parks Rehabilitation Program	500,000	0	0	500,000	1,300,000	0	0	0	0	0	2,300,000
4-283	PFO-006-19	Recycling Silos in Parks	64,000	64,000	64,000	64,000	64,000	25,000	25,000	25,000	82,000	82,000	559,000
4-285	PFO-006-20	Riverfront Walkway Stabilization	0	0	1,500,000	500,000	0	500,000	500,000	500,000	500,000	0	4,000,000
4-287	PFO-007-11	Tree Maintenance and Urban Forest Enhancement Program	1,994,143	2,245,143	1,994,143	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	2,100,000	20,813,429
4-290	PFO-007-12	Neighbourhood Parks Rehabilitation Program	0	0	348,000	0	0	100,000	448,000	752,000	400,000	600,000	2,648,000
4-292	PFO-008-12	New Park Design/Development/Construction	400,000	0	0	300,000	0	0	0	0	0	0	700,000
4-294	PFO-008-17	Riverfront Exercise Equipment	0	0	0	0	0	0	0	800,000	0	0	800,000
4-296	PFO-009-12	Park Bridges/Shelters/Buildings/Capital Rehabilitation Program	130,000	100,000	0	132,000	500,000	300,000	300,000	150,000	500,000	943,000	3,055,000
4-298	PFO-009-20	Parks Signage	0	0	0	0	0	0	0	0	400,000	100,000	500,000
4-300	PFO-010-17	Dog Park Development	130,000	0	0	0	0	0	0	0	300,000	500,000	930,000
4-302	PFO-010-20	Park Bench Replacement Program	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	75,000	100,000	575,000
4-304	PFO-011-12	Beautification of Civic Gateways and Other Open Spaces	0	0	0	300,000	300,000	0	0	0	0	0	600,000
4-306	PFO-012-12	Park Trails Capital Rehabilitation Program	0	100,000	100,000	300,000	100,000	250,000	250,000	325,000	340,000	440,000	2,205,000
4-308	PFO-013-12	Park-Related Parking Lots Capital Upgrades	200,000	100,000	350,000	500,000	200,000	300,000	300,000	300,000	375,000	900,000	3,525,000
4-310	PFO-014-12	Park Community Partnership Initiatives	25,000	25,000	25,000	0	0	25,000	25,000	25,000	50,000	50,000	250,000
4-312	PFO-015-12	Parks Master Plan	0	0	0	125,000	50,000	50,000	0	0	0	0	225,000
4-314	PFO-016-12	Parkland Acquisitions	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
4-316	PFO-017-12	Playground Equipment Removal	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	150,000	50,000	1,000,000

**City Of Windsor**  
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4-326	REC-001-18	Monument and Memorial Capital Repairs	75,000	0	75,000	75,000	75,000	75,000	75,000	0	75,000	75,000	600,000
4-328	REC-001-21	Spirit of Windsor Train	0	0	0	0	0	0	0	0	50,000	50,000	100,000
4-330	REC-002-07	Lakeview Park Marina Rehabilitation Program	950,000	50,000	50,000	34,000	34,000	275,000	275,000	275,000	275,000	0	2,218,000
4-320	REC-002-14	Relocation of Sandpoint Beach	0	250,500	777,000	0	0	300,000	300,000	300,000	0	0	1,927,500
4-395	REC-002-21	Adie Knox Herman Reimagining Project	2,938,045	8,598,088	5,422,045	2,655,450	6,076,723	1,309,649	0	0	0	0	27,000,000
4-322	REC-003-07	Municipal Pools Refurbishment Program	132,000	75,000	2,305,201	2,610,000	0	474,000	500,000	500,000	0	187,500	6,783,701
4-324	REC-004-07	Recreation Facility Refurbishment Program	50,000	300,000	50,000	100,000	50,000	300,000	300,000	300,000	185,000	112,500	1,747,500
4-332	REC-004-08	The WFCU Centre Capital Rehabilitation Program	1,100,000	0	200,000	540,000	790,000	300,000	300,000	300,000	290,000	185,000	4,005,000
<b>Parks &amp; Recreation Total</b>			<b>21,059,244</b>	<b>20,545,839</b>	<b>22,290,771</b>	<b>20,189,450</b>	<b>16,356,723</b>	<b>14,103,884</b>	<b>17,928,935</b>	<b>12,690,096</b>	<b>13,736,652</b>	<b>16,534,018</b>	<b>175,435,612</b>

**City Of Windsor**  
**Capital Project Listing By Major Category (Gross)**  
For Budget Year 2023

**Corporate Property Infrastructure**

Page #	Project #	Project Name	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
4-337	ECP-009-08	Corporate Properties Site Assessments/Clean-ups/Demolitions	0	0	0	0	0	0	0	0	200,000	200,000	400,000
4-339	ENG-001-23	Central Library	0	0	1,619,775	2,736,008	104,217	0	0	0	0	680,000	5,140,000
4-343	ENG-005-23	Lanspeary Lions Outdoor Pool and Change Room - Green & Inclusive Buildings Grant	0	0	1,250,000	0	0	0	0	0	0	0	1,250,000
4-218	ENG-006-17	Windsor International Aquatic Training Centre – Ongoing Capital Maintenance	150,000	971,500	568,500	150,000	150,000	300,000	300,000	300,000	350,000	180,000	3,420,000
4-220	ENG-007-17	Facility Equipment Replacement Program	50,000	50,000	50,000	50,000	50,000	50,000	0	0	50,000	50,000	400,000
4-345	ENG-010-17	Capitol Theatre Capital Rehabilitation Program	0	750,000	750,000	0	0	100,000	100,000	100,000	0	750,000	2,550,000
4-347	ENG-011-17	400 City Hall Square - Capital Repairs	129,700	1,690,300	0	500,000	500,000	100,000	100,000	100,000	100,000	225,000	3,445,000
4-155	FIN-004-18	Enterprise Wide Energy Management System Software	0	0	0	0	0	0	0	300,000	0	0	300,000
4-102	FRS-001-19	Water Rescue Equipment - Fire & Rescue Division	0	0	0	0	0	0	0	130,000	0	0	130,000
4-106	FRS-001-23	Replacement of Mobile Live Fire Training Unit (MLFTU)	0	0	0	0	0	0	0	0	0	850,000	850,000
4-108	FRS-002-19	Fire & Rescue - Forcible Entry Prop	0	20,000	0	0	0	0	0	0	0	0	20,000
4-110	FRS-002-21	Training Towers Stair Replacement	0	0	0	200,000	0	0	0	0	0	0	200,000
4-112	FRS-003-13	New Fire Headquarters - Station #1	1,127,483	372,517	0	0	1,500,000	56,816	4,394,971	12,356,045	2,304,799	5,887,369	28,000,000
4-126	FRS-003-16	Fire Education Materials, Displays & Equipment	0	0	20,000	0	0	0	0	20,000	0	0	40,000
4-114	FRS-003-19	Re-alignment of Fire & Rescue Training & Apparatus Facility	0	0	0	0	0	0	0	0	400,000	0	400,000
4-116	FRS-003-20	Fire & Rescue Washer Extractor	0	0	0	0	0	25,000	0	50,000	0	0	75,000
4-118	FRS-003-22	Decontamination Unit for Personal Protective Equipment (PPE)	0	0	0	40,000	0	0	0	50,000	0	0	90,000
4-128	FRS-004-07	Firefighter Self-Contained Breathing Apparatus (SCBA) Replacement	0	0	0	0	0	0	1,400,000	0	0	0	1,400,000
4-120	FRS-005-07	Heavy Hydraulics Replacement-Auto Extrication	0	0	0	50,000	0	200,000	0	50,000	0	0	300,000
4-134	FRS-005-18	Shop Air-Compressor	0	25,000	0	0	0	0	0	0	0	0	25,000
4-136	FRS-006-18	Hoist Replacement	0	0	0	0	0	240,000	60,000	0	0	0	300,000
4-122	FRS-007-18	Thermal Imaging Camera - Fire & Rescue Services	50,000	0	0	0	0	50,000	50,000	0	0	0	150,000
4-161	HCP-001-07	Accessibility - ODA Compliance	0	50,000	50,000	50,000	50,000	0	0	250,000	0	0	450,000
4-222	HCP-002-07	Corporate Facilities Roof Replacement Program	400,000	400,000	400,000	1,200,000	200,000	1,150,000	2,820,000	1,560,000	1,525,000	2,300,000	11,955,000
4-353	HCP-002-09	Fire Hall Capital Refurbishment Program	150,000	0	0	0	150,000	0	0	0	0	0	300,000
4-355	HCP-005-08	Corporate Facilities Paving Program	100,000	2,315,000	100,000	0	100,000	1,000,000	4,050,000	1,000,000	850,000	250,000	9,765,000
4-357	HCP-010-07	Willistead Complex Capital Rehabilitation Program	0	0	0	0	50,000	75,000	575,000	1,075,000	500,000	100,000	2,375,000
4-187	HLD-001-12	Huron Lodge Nursing Equipment Replacement Program	50,000	50,000	50,000	75,000	75,000	200,000	200,000	200,000	200,000	85,000	1,185,000
4-203	HLD-001-13	Huron Lodge Beds/Mattresses/Furniture Replacement Program	100,000	100,000	100,000	200,000	200,000	0	300,000	200,000	100,000	400,000	1,700,000
4-189	HLD-001-15	Huron Lodge Ceiling Mounted Resident Lift Replacement Program	100,000	100,000	110,000	120,000	120,000	110,000	0	0	115,000	115,000	890,000
4-193	HLD-001-17	Huron Lodge Dietary Servery and Cafe Updates and Equipment Replacement	35,000	35,000	35,000	50,000	50,000	40,000	0	50,000	50,000	0	345,000
4-195	HLD-002-12	Huron Lodge Cooking and Food Preparation Equipment Replacement Program	40,000	0	42,000	45,000	45,000	0	0	50,000	50,000	100,000	372,000
4-205	HLD-002-17	Huron Lodge Resident Services Equipment Replacement	0	0	0	40,000	150,000	0	0	40,000	60,000	150,000	440,000
4-197	HLD-003-15	Huron Lodge Dish Machines and Industrial Kitchen Equipment	40,000	0	50,000	50,000	50,000	110,000	70,000	100,000	100,000	0	570,000
4-199	HLD-004-15	Huron Lodge Refrigeration and Freezer Equipment Replacement	0	0	0	175,000	100,000	0	0	250,000	250,000	0	775,000
4-170	HRS-002-08	Corporate Health and Safety Program - Assessments	0	0	0	0	0	0	0	117,250	0	0	117,250
4-167	HRS-002-17	Corporate Ergonomic Equipment	0	35,000	0	0	0	0	0	0	0	0	35,000
4-144	LGL-001-20	Provincial Offences Division Renovations 350 City Hall	316,000	316,000	316,000	316,000	316,000	316,000	316,000	316,000	316,000	258,000	3,102,000
4-138	LGL-001-22	Confidential Legal Matter (In-Camera)	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	0	13,500,000
4-142	LGL-002-17	Demolition of Transitional Buildings	0	100,000	100,000	0	0	100,000	100,000	100,000	100,000	0	600,000
4-570	OPS-004-22	Waste Disposal Bins	0	0	0	0	0	0	60,550	53,500	54,450	0	168,500
4-556	OPS-005-22	Orphan Monuments, Gateways and Miscellaneous Installations and Maintenance	0	200,000	25,000	0	0	25,000	25,000	25,000	0	0	300,000
4-359	OPS-006-19	Food and Organic Waste Collection and Treatment	0	223,000	254,000	0	0	0	0	0	0	0	477,000
4-361	OPS-007-07	Public Works Operations Facilities Refurbishment	653,899	25,000	25,000	25,000	25,000	100,000	800,000	100,000	25,000	365,000	2,143,899
4-363	PFO-001-12	Corporate Properties Security Systems and Infrastructure	75,000	150,000	150,000	150,000	150,000	75,000	75,000	75,000	325,000	100,000	1,325,000

**City Of Windsor**  
**Capital Project Listing By Major Category (Gross)**  
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4-225	PFO-001-15	Huron Lodge Environmental Services Equipment Replacement	0	0	0	175,000	175,000	50,000	50,000	50,000	0	100,000	600,000
4-227	PFO-001-23	Parks & Facilities Maintenance Funding	0	0	0	40,000	0	0	0	0	0	100,000	140,000
4-367	PFO-002-12	Facility Structural & Building Envelope Maintenance Program	50,000	50,000	550,000	150,000	500,000	750,000	1,000,000	1,500,000	500,000	500,000	5,550,000
4-369	PFO-002-14	Huron Lodge Facility Rehabilitation Program	0	0	750,000	750,000	100,000	100,000	100,000	100,000	900,000	900,000	3,700,000
4-371	PFO-002-18	Facility & Parks Building Demolitions	0	100,000	0	100,000	100,000	0	0	0	0	100,000	400,000
4-229	PFO-002-19	Fountain Restoration and Repairs	2,206,182	250,000	2,874,046	5,009,772	660,000	0	0	0	0	0	11,000,000
4-373	PFO-003-13	401 Riverside Drive W Capital Refurbishment	125,000	0	0	125,000	125,000	125,000	100,000	100,000	0	125,000	825,000
4-375	PFO-003-14	Corporate Facilities Boiler Replacement Program	50,000	50,000	50,000	150,000	150,000	50,000	50,000	50,000	500,000	0	1,100,000
4-379	PFO-004-12	Corporate Facilities Building Condition Assessments	50,000	0	0	200,000	200,000	200,000	100,000	100,000	100,000	0	850,000
4-381	PFO-004-20	Windsor Lawn Bowling and Tennis Club Exterior Repairs	100,000	0	0	0	0	100,000	50,000	50,000	0	0	300,000
4-383	PFO-008-21	Corporate Electrical Replacement/Repair Program	0	0	0	0	0	750,000	150,000	150,000	150,000	1,000,000	2,200,000
4-385	PFO-009-11	Corporate Heating & Cooling Replacement/Repair Program	800,000	200,000	500,000	1,130,000	600,000	1,000,000	1,500,000	1,800,000	1,000,000	1,000,000	9,530,000
4-387	PFO-010-11	Corporate Facilities Interior Renovation Program	0	50,000	50,000	100,000	100,000	750,000	750,000	750,000	395,000	1,139,689	4,084,689
4-389	PFO-010-21	Public Works Traffic Signals Control Centre Relocation Project	0	0	0	600,000	0	0	0	750,000	400,000	0	1,750,000
4-391	PFO-011-21	Public Works Truck Wash Bays	0	0	0	200,000	0	0	0	50,000	0	0	250,000
4-231	PFO-013-21	Corporate Facility Equipment Maintenance Program	48,000	50,000	10,000	1,050,000	0	150,000	0	0	50,000	75,000	1,433,000
4-233	PFO-014-07	Corporate Facilities Health & Safety Compliance	100,000	125,000	100,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,375,000
4-393	PFO-014-21	Access Control/Building Automation System Replacements	0	0	0	0	0	1,850,000	0	0	1,100,000	750,000	3,700,000
4-334	REC-005-07	Corporate Arena Refurbishments	200,000	1,000,000	200,000	1,090,000	1,000,000	0	0	0	700,000	0	4,190,000
4-397	REC-006-07	Mackenzie Hall Repair and Maintenance	0	0	0	0	865,461	0	0	675,000	1,284,539	100,000	2,925,000
<b>Corporate Property Infrastructure Total</b>			<b>8,796,264</b>	<b>11,353,317</b>	<b>12,649,321</b>	<b>18,741,780</b>	<b>10,360,678</b>	<b>11,947,816</b>	<b>21,296,521</b>	<b>26,792,795</b>	<b>16,654,788</b>	<b>19,085,058</b>	<b>157,678,338</b>

**City Of Windsor**  
**Capital Project Listing By Major Category (Gross)**  
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<b>Corporate Technology</b>													
Page #	Project #	Project Name	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
4-149	FIN-001-17	Asset Planning Service Design and Implementation	520,000	0	0	0	250,000	150,000	400,000	150,000	0	0	1,470,000
4-104	FRS-001-20	Technology Replacements - Emergency Operations Centre (EOC)	0	0	0	150,000	150,000	0	0	50,000	0	0	350,000
4-124	FRS-002-07	Fire & Rescue Computer-aided Dispatch System (CRISYS)	0	0	0	50,000	0	0	50,000	0	0	50,000	150,000
4-130	FRS-004-19	WFRS - Next Gen 911 Telecommunications Rehabilitation Program	0	300,000	1,600,000	0	0	0	0	0	0	0	1,900,000
4-185	HLD-001-11	Huron Lodge Point of Care Technology Implementation and upgrades including Wireless and Wired Care	100,000	0	0	0	100,000	0	0	0	500,000	0	700,000
4-191	HLD-002-15	Huron Lodge Resident Monitoring & Nurse Bedside Call System	0	0	25,000	20,000	20,000	0	120,000	0	20,000	20,000	225,000
4-201	HLD-006-15	Huron Lodge Dietary Management System Maintenance	105,000	0	35,000	0	70,000	0	0	0	50,000	60,000	320,000
4-34	ITC-001-08	Information Technology Business Continuity Improvements	150,000	75,000	100,000	0	0	75,000	50,000	50,000	50,000	50,000	600,000
4-44	ITC-001-09	Corporate Facilities Content Access Improvements	0	0	0	0	0	75,000	75,000	50,000	50,000	50,000	300,000
4-36	ITC-001-10	Smart Community Initiative	200,000	200,000	200,000	200,000	200,000	50,000	50,000	50,000	50,000	50,000	1,250,000
4-42	ITC-001-12	Fire and Rescue Records Management and Computer Aided Dispatch System Initiatives	0	0	0	100,000	100,000	200,000	200,000	200,000	250,000	100,000	1,150,000
4-38	ITC-001-13	Corporate Integration of Mobile Technologies	0	0	0	0	300,000	50,000	50,000	50,000	675,000	50,000	1,175,000
4-46	ITC-001-19	Funding for Microsoft Software	0	0	0	600,000	600,000	900,000	900,000	900,000	200,000	0	4,100,000
4-55	ITC-001-22	Data & Insights	100,000	100,000	0	0	0	0	0	0	0	50,000	250,000
4-57	ITC-002-07	Corporate Electronic Storage and Retrieval Systems Upgrades	150,000	150,000	100,000	100,000	100,000	125,000	100,000	100,000	125,000	125,000	1,175,000
4-48	ITC-002-19	Municipal Tax System	1,341,000	0	0	530,000	0	0	0	0	0	0	1,871,000
4-59	ITC-003-07	Information Technology Network Infrastructure Improvements	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	270,000	250,000	2,120,000
4-61	ITC-005-07	Corporate Data & Network Security Initiatives	300,000	300,000	100,000	100,000	100,000	100,000	100,000	100,000	230,000	230,000	1,660,000
4-63	ITC-006-07	Information Technology Disaster Recovery Initiatives	100,000	75,000	100,000	100,000	100,000	150,000	150,000	150,000	300,000	300,000	1,525,000
4-40	ITC-007-07	Corporate Intranet Redesign & Internet Accessibility Improvements	0	0	425,000	0	0	150,000	125,000	150,000	150,000	575,000	1,575,000
4-51	ITC-008-07	Corporate Enterprise Resource Planning (ERP) System	250,000	0	516,696	2,000,000	2,154,473	1,750,000	2,250,000	1,718,079	1,381,921	1,555,000	13,576,169
4-53	ITC-011-07	AMANDA Information System Upgrades and Improvements	200,000	200,000	200,000	0	0	250,000	250,000	250,000	250,000	250,000	1,850,000
4-65	ITC-012-07	Corporate Communications Technology	0	50,000	50,000	50,000	50,000	100,000	100,000	100,000	100,000	300,000	900,000
4-585	OPS-001-20	Corporate Fleet Software System	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	60,000	510,000
4-630	OPS-003-22	Traffic Asset Management Program	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
4-619	OPS-004-19	Infor Hansen Infrastructure Management System	0	0	0	65,000	65,000	0	0	0	45,000	30,000	205,000
4-91	PLN-005-07	Planning & Building E-Plan & E-Permit Review and Implementation	0	28,140	0	0	0	0	0	0	0	0	28,140
<b>Corporate Technology Total</b>			<b>3,816,000</b>	<b>1,778,140</b>	<b>3,751,696</b>	<b>4,365,000</b>	<b>4,659,473</b>	<b>4,425,000</b>	<b>5,270,000</b>	<b>4,368,079</b>	<b>4,796,921</b>	<b>4,205,000</b>	<b>41,435,309</b>

**City Of Windsor**  
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<b>Community &amp; Economic Development</b>													
Page #	Project #	Project Name	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
4-27	CAO-001-16	Paul Martin Bldg. Placeholder	0	0	1,004,384	0	0	0	0	0	0	0	1,004,384
4-29	CAO-002-18	New Windsor-Essex Hospital System Plan	6,900,000	6,900,000	6,900,000	6,900,000	6,900,000	6,200,000	0	0	0	0	40,700,000
4-100	ECB-039-18	Ward Funds	1,600,000	0	0	0	1,100,000	0	0	0	0	0	2,700,000
4-79	ECB-042-18	Theme Districting	3,595,000	0	0	0	0	0	0	0	0	2,130,000	5,725,000
4-147	ECB-044-18	Financing Charges	75,000	0	0	0	0	0	0	0	0	0	75,000
4-492	ENG-004-21	Airport Employment Lands	0	1,967,000	0	2,298,329	0	0	0	0	934,671	0	5,200,000
4-466	ENG-027-17	Walkerville Theming Implementation	0	1,000,000	0	0	0	0	0	0	0	0	1,000,000
4-159	FIN-001-14	Development Charges Study and Bylaw Update	0	50,000	50,000	0	0	0	60,000	60,000	0	0	220,000
4-151	FIN-001-19	Grant Matching Funding and Mitigating Inflationary Pressures	1,037,751	913,253	250,000	300,000	2,750,000	1,000,000	1,471,665	1,475,000	1,200,000	0	10,397,669
4-153	FIN-001-23	Corporate Inflation Mitigation	1,265,000	574,388	999,630	2,662,355	9,498,627	0	0	0	0	0	15,000,000
4-174	HCS-001-07	City Housing Reserve Fund	1,250,000	0	0	0	0	600,000	600,000	600,000	3,000,000	3,000,000	9,050,000
4-180	HCS-001-23	Housing Hub	0	0	0	5,081,916	4,918,084	0	0	0	0	250,000	10,250,000
4-164	HRS-001-19	Diversity and Inclusion Initiative (Phases 1 and 2)	50,000	30,000	0	0	0	0	0	0	0	0	80,000
4-140	LGL-002-16	Environmentally Significant Lands Acquisition Placeholder	0	0	0	0	0	1,500,000	0	0	0	0	1,500,000
4-32	MAY-001-19	Windsor Works	1,000,000	0	0	0	0	0	0	3,000,000	3,529,791	0	7,529,791
4-69	PBG-001-18	Official Plan Review	0	0	0	550,000	0	0	0	300,000	200,000	0	1,050,000
4-81	PBG-001-21	Affordable Housing Community Improvement Plan Incentives	0	0	0	0	0	0	250,000	0	0	150,000	400,000
4-71	PBG-002-18	Comprehensive Zoning B-Law	0	0	0	0	0	0	350,000	100,000	0	0	450,000
4-83	PBG-002-21	University Avenue West/Wyandotte St West CIP Incentives	0	0	0	0	0	0	100,000	0	0	150,000	250,000
4-85	PBG-003-21	Ford City CIP	0	0	0	0	0	0	100,000	0	0	50,000	150,000
4-87	PBG-004-21	Sandwich Community Development Plan	0	0	0	0	0	0	100,000	0	0	100,000	200,000
4-89	PLN-001-23	Building Façade and Main St. CIP	0	0	0	0	0	0	0	0	0	100,000	100,000
4-73	PLN-007-07	Growth Management Plan Review and Implementation	0	0	0	0	0	0	100,000	0	200,000	0	300,000
4-75	PLN-008-07	Natural Areas Valuation Study	0	0	0	100,000	0	0	0	0	0	0	100,000
4-77	PLN-010-07	Heritage Preservation Study and Identification of Incentives	0	0	0	0	0	0	0	0	159,000	0	159,000
4-93	PLN-011-07	City-wide Brownfields Redevelopment	0	0	0	0	0	0	0	0	0	70,000	70,000
4-95	PLN-012-07	City Centre Community Development Plan	0	0	0	500,000	0	0	415,000	250,000	0	0	1,165,000
4-97	PLN-018-07	Neighbourhood Studies and Design Guidelines	0	0	0	0	0	0	0	0	250,000	0	250,000
<b>Community &amp; Economic Development Total</b>			<b>16,772,751</b>	<b>11,434,641</b>	<b>9,204,014</b>	<b>18,392,600</b>	<b>25,166,711</b>	<b>9,300,000</b>	<b>3,546,665</b>	<b>5,785,000</b>	<b>9,473,462</b>	<b>6,000,000</b>	<b>115,075,844</b>

**City Of Windsor**  
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<b>Capital Reserve Replenishment</b>			<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Page #</b>	<b>Project #</b>	<b>Project Name</b>											
4-157	FIN-009-15	Capital Reserve Replenishment Allocation	1,670,000	1,670,000	1,670,000	1,670,000	1,670,000	1,710,000	1,710,000	1,710,000	1,710,000	3,210,000	18,400,000
<b>Capital Reserve Replenishment Total</b>			<b>1,670,000</b>	<b>1,670,000</b>	<b>1,670,000</b>	<b>1,670,000</b>	<b>1,670,000</b>	<b>1,710,000</b>	<b>1,710,000</b>	<b>1,710,000</b>	<b>1,710,000</b>	<b>3,210,000</b>	<b>18,400,000</b>

**City Of Windsor**  
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<b>Agencies, Boards and Committees (ABC's)</b>													
<b>Page #</b>	<b>Project #</b>	<b>Project Name</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
4-6	ECP-010-09	Airport Various Asset Replacement/Refurbishment/Upgrades	42,000	275,000	1,000,000	1,000,000	2,500,000	0	0	0	115,000	130,000	5,062,000
4-8	ECP-046-07	Airport Drainage and Pavement Improvements	195,000	0	0	1,450,000	100,000	100,000	100,000	100,000	100,000	150,000	2,295,000
4-177	HCS-001-14	Windsor Essex Community Housing Corporation Capital Repair and Renewal	3,200,000	3,200,000	7,373,818	6,760,291	10,484,414	10,783,904	5,081,916	5,081,916	5,081,916	5,081,916	62,130,091
4-183	HCS-002-23	Windsor Essex Community Housing Corporation Capital Improvements	0	0	0	0	0	0	3,200,000	3,200,000	3,200,000	3,200,000	12,800,000
4-10	ITC-002-16	Corporate Radio Infrastructure	0	0	1,600,000	600,000	0	0	0	0	0	1,590,000	3,790,000
4-14	POL-001-09	Windsor Police Service Fleet Replacement/Refurbishment Program	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	12,680,000
4-16	POL-001-20	Advanced Analytics and Process Optimization	0	0	0	250,000	250,000	640,000	600,000	600,000	0	0	2,340,000
4-18	POL-002-19	Windsor Police Service - Specialized Equipment	725,000	1,210,000	820,000	350,000	500,000	2,185,000	725,000	535,000	855,000	560,000	8,465,000
4-20	POL-003-19	Windsor Police Service - Technology Projects	325,000	325,000	325,000	325,000	325,000	325,000	325,000	425,000	425,000	425,000	3,550,000
4-22	POL-004-19	Windsor Police Service - Telecommunications	425,000	200,000	200,000	200,000	800,000	200,000	200,000	250,000	250,000	250,000	2,975,000
4-24	POL-005-19	Windsor Police Service - Facility Projects	500,000	150,000	150,000	300,000	100,000	100,000	100,000	200,000	250,000	100,000	1,950,000
4-4	RGC-001-18	Roseland/Little River Golf Courses Asset Replacement/Improvements	0	0	250,000	2,759,384	0	0	0	0	0	1,000,000	4,009,384
4-2	TRN-005-07	Handi-Transit Bus Acquisitions	120,000	0	0	555,000	155,000	300,000	300,000	300,000	500,000	0	2,230,000
4-208	WPL-001-17	Windsor Public Library Refurbishments	33,752	46,000	46,000	31,000	48,000	0	0	0	138,000	98,000	440,752
4-210	WPL-001-20	WPL Electronic Signs	0	0	0	0	0	0	90,000	0	92,000	68,000	250,000
4-212	WPL-001-23	Equipment Upgrades	0	0	0	0	17,000	0	0	0	0	25,000	42,000
4-214	WPL-002-18	Windsor Public Library Materials Acquisitions	125,000	150,000	150,000	150,000	133,000	200,000	200,000	0	150,000	225,000	1,483,000
4-216	WPL-002-20	Library Self Checkouts	0	0	0	0	0	40,000	40,000	80,000	55,000	150,000	365,000
<b>Agencies, Boards and Committees (ABC's) Total</b>			<b>6,958,752</b>	<b>6,824,000</b>	<b>13,182,818</b>	<b>15,998,675</b>	<b>16,680,414</b>	<b>16,141,904</b>	<b>12,229,916</b>	<b>12,039,916</b>	<b>12,479,916</b>	<b>14,320,916</b>	<b>126,857,227</b>
<b>Grand Total</b>			<b>179,625,495</b>	<b>182,971,753</b>	<b>182,796,321</b>	<b>186,269,023</b>	<b>183,229,524</b>	<b>177,474,372</b>	<b>179,666,396</b>	<b>176,470,010</b>	<b>170,494,282</b>	<b>175,024,530</b>	<b>1,794,021,706</b>



# **2023 Approved Capital Budget**



## **Capital Project Summaries**

# **2023 Approved Capital Budget**



## **Capital Project Summaries**

**Agencies, Boards & Committees**



# Project Version Summary

<b>Project #</b>	TRN-005-07	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2023	<b>Department</b>	Agencies
<b>Asset Type</b>	Unassigned	<b>Division</b>	External Agencies
<b>Title</b>	Handi-Transit Bus Acquisitions		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Agencies, Boards and Committees (ABC's)		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	Bus replacement vehicles which have been listed annually on the MTO Forms. Cost is estimated based on previous purchases, however, Handi Transit plans to access the Metrolinx project in order to obtain the best price possible before purchasing.
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<b>Version Description</b>	
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
(7081003/7091038/7151008/7161043 Closed) 7191019	

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5110 Machinery & Equipment - TCA	120,000	0	0	555,000	155,000	300,000	300,000	300,000	500,000	0	2,230,000
Total	120,000	0	0	555,000	155,000	300,000	300,000	300,000	500,000	0	2,230,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	120,000	0	0	555,000	155,000	300,000	300,000	300,000	500,000	0	2,230,000
Total	120,000	0	0	555,000	155,000	300,000	300,000	300,000	500,000	0	2,230,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2008	440,000	294,000	146,000				
		2009	210,000	210,000	0				
		2015	360,000	360,000	0				
		2016	480,000	480,000	0				
		2019	480,000	480,000	0				
		2020	240,000	240,000	0				
		2021	400,000	400,000	0				
		2022	120,000	120,000	0				
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date					
2007	January 1, 2015	Growth: 100.0 % Maintenance: 0.0 %	Lori Colenutt	TBD`					



# Project Version Summary

<b>Project #</b>	RGC-001-18	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2023	<b>Department</b>	Roseland Golf & Country Club
<b>Asset Type</b>	Unassigned	<b>Division</b>	Roseland Operations
<b>Title</b>	Roseland/Little River Golf Courses Asset Replacement/Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Agencies, Boards and Committees (ABC's)		
<b>Wards</b>	Ward 1		
<b>Version Name</b>	Main (Active)		

## Project Description

In a recent audit of the Roseland Golf and Curling Club by Price Waterhouse Cooper the need to develop a strategic / business plan as well as an asset management plan in conjunction with the City's Asset Planning Department was identified.

The capital budget request provides for some more of the more immediate capital needs and is supported by reports and conditions of capital assets.

Further, the strategic plan completed in 2020 in conjunction with Global Golf Advisors, a third party industry consultant, highlighted that Roseland required capital support to address the aging and inefficient clubhouse. The consultant is now working on a clubhouse feasibility study in 2021, which will provide a more detailed clubhouse recommendation.

A new clubhouse will allow Roseland to operate more efficiently and to showcase itself as an updated full service facility, and the only municipally owned Donald Ross designed course in Canada.

## Version Description

## Project Comments/Reference

7184003

## Version Comments

## Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5110 Machinery & Equipment - TCA	0	0	250,000	2,759,384	0	0	0	0	0	1,000,000	4,009,384
Total	0	0	250,000	2,759,384	0	0	0	0	0	1,000,000	4,009,384
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	250,000	2,759,384	0	0	0	0	0	1,000,000	4,009,384
Total	0	0	250,000	2,759,384	0	0	0	0	0	1,000,000	4,009,384

Related Projects		Historical Approved Budget			Operating Budget Impact	
			<b>Revenue</b>			
		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	
		2021	283,616	188,000	95,616	
		2022	2,107,000	2,107,000	0	
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date	
2018	January 1, 2018	Growth: 0.0 % Maintenance: 0.0 %		Dave Deluzio	2023+	



## Project Version Summary

<b>Project #</b>	ECP-010-09	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2023	<b>Department</b>	Windsor Airport
<b>Asset Type</b>	Unassigned	<b>Division</b>	Windsor-Airport
<b>Title</b>	Airport Various Asset Replacement/Refurbishment/Upgrades		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Agencies, Boards and Committees (ABC's)		
<b>Wards</b>	Ward 9		
<b>Version Name</b>	Main (Active)		

### Project Description

YQG has a number of projects involving capital improvements and fleet / equipment. All of the assets at YQG are owned by the City of Windsor.

The COVID-19 Pandemic has had a significant financial impact on all airports, including YQG. As such, City funding to sustain and maintain the assets owned by the Corporation is necessary.

As per agreements and past practice, YQG, in concert with the Airport Coordinating Committee, continue to reprioritize projects to ensure health and safety of travelling public.

See attached letter from YQG outlining capital plan.

### Version Description

YQG has identified the need for \$2.145M in funds for 2023 to undertake the following work:

- Development of an airport strategic plan
- Mechanical assessment of infrastructure at ATB
- Replacement of heating and cooling unit for international wing
- Replacement of international baggage conveyor
- Airport Terminal Building (ATB) - Pre-boarding area improvements

Through existing project surpluses and reprioritizing various preapproved projects, a total of \$1.41 million was reallocated to partially fund these priorities. The balance of funding required to complete the works can be funded within the 5-year window as projects proceed.

As per agreements and past practice, YQG, in concert with the Airport Coordinating Committee, will determine the priority of projects to leverage available funding.

Administration will continue to pursue opportunities for grant funding.

### Project Comments/Reference

7141054/7141055

### Version Comments

Note:  
As part of this Capital Budget submission, Administration is requesting Council approval to transfer funding between each of Airport funded project ids within PeopleSoft.

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	42,000	275,000	1,000,000	1,000,000	2,500,000	0	0	0	115,000	130,000	5,062,000
Total		42,000	275,000	1,000,000	1,000,000	2,500,000	0	0	0	115,000	130,000	5,062,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	42,000	275,000	1,000,000	1,000,000	2,500,000	0	0	0	115,000	130,000	5,062,000
6560	Dividends	0	0	0	0	0	0	0	0	0	0	0
Total		42,000	275,000	1,000,000	1,000,000	2,500,000	0	0	0	115,000	130,000	5,062,000
Related Projects		Historical Approved Budget				Operating Budget Impact						
<b>Precedes</b>				<b>Revenue</b>		<b>Effective Date</b> Unknown		<b>Exp/(Rev)</b>		<b>FTE Impact</b>		
ECP-046-07		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Description</b>		0	0	0	0	
<b>Project Title</b>		2016	160,000	160,000	0	These works are all related to replacement and refurbishment of existing equipment and are expected to result in decreased maintenance costs.						
Airport Drainage and Pavement Improvements		2017	460,000	460,000	0							
		2018	650,000	159,000	491,000							
		2019	4,811,000	0	4,811,000							
		2020	2,900,000	0	2,900,000							
		2022	1,173,000	1,173,000	0							
Year Identified	Start Date	Project Type for 2023		Project Lead		Est. Completion Date						
2009	January 1, 2016	Growth: 0.0 % Maintenance: 100.0 %		France Isabelle Tunks		Ongoing`						





# Project Version Summary

<b>Project #</b>	ECP-046-07	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2023	<b>Department</b>	Windsor Airport
<b>Asset Type</b>	Unassigned	<b>Division</b>	Windsor-Airport
<b>Title</b>	Airport Drainage and Pavement Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Agencies, Boards and Committees (ABC's)		
<b>Wards</b>	Ward 9		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 YQG has several drainage and pavement related improvements which are being actioned on an ongoing basis.

**Version Description**  
 As per agreements and past practice, YQG, in concert with the Airport Coordinating Committee, will determine the priority of projects to leverage available funding.

<b>Project Comments/Reference</b> (Closed: 7059011/7111009) 7141054 Drainage/Pavement Improv.	<b>Version Comments</b> As part of this Capital Budget submission, Administration is requesting Council approval to transfer funding between each of Airport funded project ids within PeopleSoft.
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<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	195,000	0	0	1,450,000	100,000	100,000	100,000	100,000	100,000	150,000	2,295,000
Total	195,000	0	0	1,450,000	100,000	100,000	100,000	100,000	100,000	150,000	2,295,000
<b>Revenues</b>											
028 Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
153 Sewer Surcharge	95,000	0	0	1,350,000	0	0	0	0	0	50,000	1,495,000
160 Capital Expenditure Reserve	100,000	0	0	0	0	0	0	0	0	0	100,000
169 Pay As You Go - Capital Reserve	0	0	0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	700,000
Total	195,000	0	0	1,450,000	100,000	100,000	100,000	100,000	100,000	150,000	2,295,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
Follows		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
ECP-010-09				Net City Cost	Subsidies				
<b>Project Title</b>		2009	250,000	250,000	0	These works are all related to rehabilitation and repair of existing Airport facilities and are expected to result in decreased operating costs, going forward.			
Airport Various Asset Replacement/Refurbishment/U pgrades		2010	310,000	310,000	0				
		2011	660,000	660,000	0				
		2012	660,000	510,000	150,000				
		2013	260,000	260,000	0				
		2014	400,000	400,000	0				
		2015	150,000	150,000	0				
		2016	650,000	650,000	0				
		2017	460,000	460,000	0				
		2018	140,000	140,000	0				
		2019	345,000	345,000	0				
		2020	380,000	380,000	0				
		2021	380,000	380,000	0				
		2022	300,000	300,000	0				
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date					
2007	January 1, 2015	Growth: 51.3 % Maintenance: 48.7 %	France Isabelle Tunks	Ongoing`					



## Project Version Summary

<b>Project #</b>	ITC-002-16	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2023	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	Corporate Radio Infrastructure		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Agencies, Boards and Committees (ABC's)		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

The corporate radio system is used by Windsor Police Services, Windsor Fire & Rescue Services, Transit Windsor and various operating departments within the Corporation of the City of Windsor. The recommendation is to approve the funds identified in ITC-002-16 for 2021, 2022, 2025 and 2026, all funded from the dedicated funding source Reserve Fund 198 ("Radio Reserve"). The capital funds are required for system upgrades of end user devices and other equipment not covered under the service agreement with the system vendor. Reserve Fund 198 anticipated and is sufficiently funded for these capital expenditures.

Capital Project ITC-002-16 ("Corporate Radio Infrastructure"), and the 2021, 2022, 2025 and 2026 funding requirements, were approved in principle during the 2016 capital budgeting process. This is a corporate-wide project, with many City departments and agencies relying on the corporate radio system. This capital project, ITC-002-16 ("Corporate Radio Infrastructure"), has a dedicated funding source, which is Reserve Fund 198 ("Radio Reserve"). Radio Reserve Fund 198 was created in 2015, through City Council Resolution CR209/2015, to establish a sustainable funding mechanism for the corporate radio system. The City of Windsor Finance Department projected operating and capital requirements from this reserve, through 2033, when establishing Reserve Fund 198 in 2015. The amounts reflected in ITC-002-16 match the capital requirements identified in the reserve fund projection, and as such, have sufficient funding from Reserve Fund 198.

The corporate radio system, an ASTRO P25 Digital Voice Radio Communications System from Motorola Solutions, was purchased in 2008 and implemented in 2009. The digital radio system components can be classified into three categories, Infrastructure (servers, software, networking equipment and emergency dispatch computers), End User Devices (in-vehicle and portable radios), and Transmission Equipment (broadcasting). As part of the annual maintenance agreement with Motorola, the infrastructure has been upgraded in 2016, 2018 and 2020. End User Devices and Transmission Equipment are not upgraded as part of the Motorola maintenance agreement.

The corporate radio system is governed by a Steering Committee that is chaired by the CAO, and includes the Police Chief, the Fire Chief, the Chief Financial Officer/City Treasurer, the City Solicitor, and other senior leadership members. At its May2020 meeting, the Steering Committee approved the following recommendation: "THAT that the City of Windsor Radio Communications and Dispatch Steering Committee AUTHORIZE the Windsor Police Service and the Windsor Fire and Rescue Service to commence the portable radio replacement plan outlined in the report to the Steering Committee, dated March 15, 2020." The plan presented to the Steering Committee is as follows:

The City's End User Devices were implemented in 2009 with an expected useful service life until approximately 2021-2023. The City was aware that Motorola support (parts, software and labour) for the City's End User Devices was scheduled to cease in 2019. Note: the City did not have a support and maintenance agreement for End User Devices. Maintenance was provided on a time and materials basis. The City anticipated that the End User Devices would have a useful beyond the end of Motorola support. Motorola's End of Support Notice is attached as APPENDIX "B".

The costs of new End User Devices have increased since the 2021/2022 projections were developed in 2015. It is not certain if the projected \$6.2 million would be sufficient to fund the replacement of all City radios. However, the radio support team believes that many of the City radios have useful service life remaining. Specifically, they would be suitable for non-first-responder functions for several years. The following is the recommended strategy from WFRS and WPS to reduce the total cost of radio system ownership and to defer expenditures required for the replacement of End User Devices, relative to the original plan to replace all radios in 2021/2022:

- Identify the portable radio needs at WFRS and WPS (quantities, features and model numbers).
- Issue a Request for Tender to replace the portable radios at WFRS and WPS to ensure that the "out-of-support" portable radios do not cause public safety issues.
- Specify "Motorola radios" in the Tender. There are many Motorola certified resellers who will be able to bid on a Tender for Motorola radios. The skills for supporting

Motorola radios and the familiarity of using Motorola radios have been established since the 2009 implementation. Additionally, the radio system Infrastructure is a Motorola system. The radios for the other departments and agencies will remain Motorola radios. All WFRS and WPS in-vehicle radios are Motorola radios. The radios at the WFRS and WPS dispatch centers are Motorola radios. If the City considered accepting other radio manufacturers through this Tender, the potential mixed environment would create risks, support inefficiencies, and user inefficiencies that are not acceptable. The City would also have increased hard and soft supports costs related to maintaining two sets of support tools, support software and training. Most importantly, these radios are for first responders on an emergency communications system. Experimenting with a mixed environment is not an acceptable risk.

- Use the retired portable radios from WFRS and WPS as spare radios for the rest of the corporation. If the “out-of-support” portable radios in other areas of the corporation fail, they can quickly be replaced, at no cost, with the spare radios.
- Noting the points below, the recommendation is to not proceed with replacing mobile radios (in-vehicle radios) at WFRS and WPS at this time.
- Mobile radios (in-vehicle radios) have a high hardware cost per unit.
- Mobile radios (in-vehicle radios) have a high installation cost per unit.
- Replacing all Mobile radios (in-vehicle radios) in the WFRS and WPS fleets would create significant overhead costs and operational disruptions.
- Replacing Mobile radios (in-vehicle radios) in the WFRS and WPS fleet over the course multiple years, based on planned vehicle replacements and radio failure rates, would save hard costs, soft costs and operational disruptions. Further, having upgraded portable radios mitigates the risk of not upgrading all mobile radios at once.

Given that the costs of new End User Devices have increased since the 2021/2022 projections were developed in 2015, the Steering Committee may need to consider authorizing Finance to examine the feasibility of allocating additional funds to radio replacement projections for 2023 – 2026. These funds could be re-allocated from, a) un-allocated funds in the projection model, b) revenue projection surpluses, and c) expense projection savings. The Steering Committee would have a better understanding of these requirements after the Portable Radio Tender closes.

Based on the above, this Memorandum is recommending that the City of Windsor Radio Communications and Dispatch Steering Committee AUTHORIZE the Windsor Police Service and the Windsor Fire and Rescue Service to commence the portable radio replacement plan outlined in the report to the Steering Committee, dated March 15, 2020.

\$1,590,000 is requested for 2032. This capital project (7215003) has a dedicated funding source - Reserve Fund 198 (“Radio Reserve”). As anticipated through reserve fund projections when Reserve Fund 198 was created in 2026, it is estimated that \$1,500,000 is required for the replacement of radio system infrastructure and \$90,000 is required for the replacement of radio system analysis equipment. As identified in the original and ongoing projection model analyses, the reserve fund will have sufficient funds for these capital asset life cycle management investments.

**Version Description**

Recommendations as noted in the November 2, 2015 Corporate Radio System Infrastructure Upgrade Council Report (Report #18016), approved via CR209/2015:

I. THAT City Council AUTHORIZE a one-time initial transfer of \$6,000,000 from the current Pay-As-You-Go Leasing Reserve fund to establish the new corporate radio system Pay-as-You-Go fund, with all current and subsequent annual transfers and expenditures relating to radios to be directed to and funded from this new Pay-as-You-Go reserve fund.

II. THAT City Council AUTHORIZE a Sole Source procurement, in compliance with applicable City of Windsor policies and by-laws, for the following from Motorola Solutions, to be funded from the new corporate radio system Pay-as-You-Go fund as described in item "I" above.

- Infrastructure upgrade, for a cost of \$1,589,205, plus net taxes
- A four-year System Upgrade Agreement with Security Update Service for an annual cost of \$254,777, plus net taxes

III. THAT City Council AUTHORIZE the Chief Administrative Officer and the City Clerk to sign the required agreements for the infrastructure upgrade and a four-year System Upgrade Agreement with Security Update Service with Motorola Solutions, subject to satisfactory review as to form by the City Solicitor, as to technical content by the Chief Information Officer /Executive Director of Information Technology and as to financial content by the Chief Financial Officer/City Treasurer.

IV. THAT City Council AUTHORIZE the Chief Administrative Officer and the City Clerk to sign a new four-year Motorola Communications System Support Agreement, subject to satisfactory review as to form by the City Solicitor, as to technical content by the Chief Information Officer /Executive Director of Information Technology and as to financial content by the Chief Financial Officer/City Treasurer This agreement will replace the existing Motorola Communications System Support Agreement, in order to realize a \$38,000 per year savings.

V. THAT City Council RECEIVE for information, and provide the approvals within this report with the understanding that these recommendations will result in a recommendation for a 2017 operating budget increase of a maximum of \$700,000 as an increased contribution by various departments, into the Corporate Radio system reserve; possibly lower if offset by community partnerships. Administration will bring the required operating budget issue forward during the 2017 operating budget process along with any possible mitigating measures.

VI. THAT City Council RECEIVE for information, the Corporate Radio System Steering Committee will begin the process of investigating a geo-redundant option for the corporate radio system, and will report its findings, including the upfront and ongoing costs, and related funding requirements to City Council for consideration.

**Project Comments/Reference**

7151026 (closed), 7215003  
Funding for these projects is from the Corporate Radio Reserve (#198)

**Version Comments**

**Project Detailed Forecast**

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5110 Machinery & Equipment - TCA	0	0	1,600,000	600,000	0	0	0	0	0	1,590,000	3,790,000
Total	0	0	1,600,000	600,000	0	0	0	0	0	1,590,000	3,790,000
<b>Revenues</b>											
198 Pay As You Go Corporate Radios Reserve	0	0	1,600,000	600,000	0	0	0	0	0	1,590,000	3,790,000
Total	0	0	1,600,000	600,000	0	0	0	0	0	1,590,000	3,790,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2016	3,415,235	3,415,235	0				
		2021	3,100,000	3,100,000	0				
		2022	3,100,000	3,100,000	0				
					The radio system upgrade has resulted in a recommendation for a 2019 operating budget increase (2019-0014) as an increased contribution by various departments, into the Corporate Radio System reserve.				
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2016	January 1, 2016	Growth: 0.0 % Maintenance: 0.0 %		Matt Caplin	2033				



# Project Version Summary

<b>Project #</b>	POL-001-09	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2023	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	Windsor Police Service Fleet Replacement/Refurbishment Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Agencies, Boards and Committees (ABC's)		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 The Police Fleet reserve was initially created per CR162/2008 dated April 14th, 2008 to fund all future replacements of police vehicles and related major equipment components. This reserve ensures service delivery as it relates to these assets are maintained in an effective manner. Funding of the reserve is accomplished through an annual transfer of funds from the Windsor Police operating budget.

**Version Description**  
 The fleet replacement schedule is a detailed inventory of major fleet components and related equipment for the organization that is reviewed and updated regularly, and approved by the Windsor Police Services Board. It is based on a six year strategic forecast that is updated annually.

Project Comments/Reference	Version Comments
7091014	

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5110	Machinery & Equipment - TCA	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	12,680,000
	Total	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	12,680,000
<b>Revenues</b>												
183	Police Fleet	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	12,680,000
	Total	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	12,680,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2009	1,100,000	1,100,000	0				
		2010	1,100,000	1,100,000	0				
		2011	1,200,000	1,200,000	0				
		2012	1,200,000	1,200,000	0				
		2013	1,200,000	1,200,000	0				
		2014	1,268,000	1,268,000	0				
		2015	1,268,000	1,268,000	0				
		2016	1,268,000	1,268,000	0				
		2017	1,268,000	1,268,000	0				
		2018	1,268,000	1,268,000	0				
		2019	1,268,000	1,268,000	0				
		2020	1,268,000	1,268,000	0				
		2021	1,268,000	1,268,000	0				
		2022	1,268,000	1,268,000	0				
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2009	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %	Barry Horrobin		Ongoing`				





# Project Version Summary

<b>Project #</b>	POL-001-20	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2023	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	Advanced Analytics and Process Optimization		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Agencies, Boards and Committees (ABC's)		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

Machine learning and artificial intelligence applies advanced analysis and logic-based techniques to interpret events, support and automate decisions, and take actions. Simply, it is the use of advanced computing and logic to improve decisions and processes. A 2019 Gartner CIO Survey shows that the proportion of organizations employing these technologies has "more than tripled from the previous year; 4% versus 14%. Half of the organizations in the survey intend to employ before the end of 2020." Some police services have already implemented machine learning and artificial intelligence technologies successfully, and almost all services have these technologies on their planning radar. These technologies are evolving rapidly, with capabilities predicted to grow exponentially. The opportunities to transform policing operations through these advanced techniques will be significant for the Windsor Police Service and the public. Some examples include enhancements in communications with the public, workload management and predictive staffing, predictive policing, traffic management, investigative processes, public safety; in general, enhanced service delivery. Given the capital budgeting time horizon and the continuous advancements in machine learning and artificial intelligence, it is imperative to set aside capital funds for WPS to keep pace with the modernization of policing. The capabilities of machine learning and artificial intelligence is remarkable; the potential value in the future will be a necessity in policing.

### Version Description

### Project Comments/Reference

### Version Comments

### Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5110 Machinery & Equipment - TCA	0	0	0	250,000	250,000	640,000	600,000	600,000	0	0	2,340,000
Total	0	0	0	250,000	250,000	640,000	600,000	600,000	0	0	2,340,000
<b>Revenues</b>											
160 Capital Expenditure Reserve	0	0	0	0	0	0	0	0	0	0	0
169 Pay As You Go - Capital Reserve	0	0	0	250,000	250,000	640,000	600,000	600,000	0	0	2,340,000
Total	0	0	0	250,000	250,000	640,000	600,000	600,000	0	0	2,340,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2020	January 1, 2026	Growth: 0.0 % Maintenance: 0.0 %	Matt Caplin	TBD`



# Project Version Summary

<b>Project #</b>	POL-002-19	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2023	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	Windsor Police Service - Specialized Equipment		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Agencies, Boards and Committees (ABC's)		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	Specialized police equipment including items such as personal protective clothing, use of force options, and investigative enhancements.
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<b>Version Description</b>	
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
7197003	

<b>Project Detailed Forecast</b>												
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>	
<b>Expenses</b>												
5110 Machinery & Equipment - TCA	725,000	1,210,000	820,000	350,000	500,000	2,185,000	725,000	535,000	855,000	560,000	8,465,000	
Total	725,000	1,210,000	820,000	350,000	500,000	2,185,000	725,000	535,000	855,000	560,000	8,465,000	
<b>Revenues</b>												
124 Dev Chg - Police	0	100,000	0	0	0	100,000	0	0	80,000	100,000	380,000	
195 Police Equipment Reserve	725,000	1,110,000	820,000	350,000	500,000	2,085,000	725,000	535,000	775,000	460,000	8,085,000	
Total	725,000	1,210,000	820,000	350,000	500,000	2,185,000	725,000	535,000	855,000	560,000	8,465,000	

<b>Related Projects</b>	<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>			
			<b>Revenue</b>					
	<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>				
	2019	180,000	180,000	0				
	2020	100,000	100,000	0				
	2021	335,000	335,000	0				
	2022	150,000	150,000	0				

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2019	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %	Melissa Brindley	TBD`



# Project Version Summary

<b>Project #</b>	POL-003-19	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2023	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	Windsor Police Service - Technology Projects		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Agencies, Boards and Committees (ABC's)		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

## Project Description

Technology is transforming the way policing is conducted worldwide. The modernization of policing services, through investments in tech, is proving to be a force-multiplier, on three fronts: 1) Improved Effectiveness – enhancing the analysis and presentation of the large volumes police service data significantly improves strategic planning, operational planning and front-line policing by providing information that links and predicts criminal activities and information; 2) Improved Accountability and Management – the improved understanding and measurement of the effectiveness of policing strategies, tactical decisions and individual performance provides objective evidence to make adjustments and continuous improvement decisions; 3) Improved Efficiencies – modern policing technologies are reducing non-value-adding activities and increasing the time spent on core policing duties. In addition to the force multiplier effect of technology investments, the complexity of criminal activity is increasing exponentially and requires a sophisticated police service with modern capabilities to effectively protect the public. A consistent and predictive capital budgeting model for technology is essential for strategic planning for policing services. WPS must maintain and upgrade existing technologies, and implement of new transformative technologies in order to realize the benefits noted above and to keep pace with trends in policing.

In addition to projects intended to improve effectiveness, accountability and management, and efficiency, every organization, including WPS, has to make investments into maintaining existing infrastructure, systems and security. These technologies are the foundations of an organization that require continuous improvements through upgrades, expansion and replacement. For every technology that is implemented, life cycle planning for sustainability and continuing to meet organizational needs is required.

## Version Description

## Project Comments/Reference

7197004

## Version Comments

## Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5110 Machinery & Equipment - TCA	325,000	325,000	325,000	325,000	325,000	325,000	325,000	425,000	425,000	425,000	3,550,000
Total	325,000	325,000	325,000	325,000	325,000	325,000	325,000	425,000	425,000	425,000	3,550,000
<b>Revenues</b>											
195 Police Equipment Reserve	325,000	325,000	325,000	325,000	325,000	325,000	325,000	425,000	425,000	425,000	3,550,000
Total	325,000	325,000	325,000	325,000	325,000	325,000	325,000	425,000	425,000	425,000	3,550,000

Related Projects		Historical Approved Budget			Operating Budget Impact
			<b>Revenue</b>		
		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>
		2019	300,000	300,000	0
		2020	400,000	400,000	0
		2021	501,000	501,000	0
		2022	375,000	375,000	0
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date	
2019	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %	Matt Caplin	TBD`	



## Project Version Summary

<b>Project #</b>	POL-004-19	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2023	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	Windsor Police Service - Telecommunications		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Agencies, Boards and Committees (ABC's)		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

Effective communications is the most critical aspect of public safety. This consists of communications with the public, communications with patrol officers and WPS staff, and communications with other emergency services. Canada's 911 system is a complex environment of land-based and wireless telephone services, network providers and emergency communications centres. These centres are known as Public Safety Answering Points (PSAP's) and the Windsor Police Service operates the only primary PSAP in our region receiving all 9-1-1 calls for police, fire and ambulance for the City of Windsor and the Town of Amherstburg.

Policing communications is in the midst of a significant and sustained period of transformation, which includes a legislated move to Next Generation 911 (NG911). In the NG911 environment, advanced modern technologies will be leveraged and implemented by service providers and emergency service agencies using a phased in approach. The NG911 environment, will begin with the public making a voice or text calls from any communications device via the Emergency Services Internet Protocol Network (ESInet). The next generation PSAP of the future will also receive photos, video calls, advanced location services, telematics and data from personal safety devices such as medic alert systems and sensors of various types as part of 911 calls.

The framework for this transition began in 2002 when the Canadian Radio-Television and Telecommunications Commission (CRTC) mandated that the national 9-1-1 legacy system be decommissioned in March of 2025. This meant that all emergency communication centres across Canada were required to completely overhaul their 911 systems in advance of the deadline.

On June 30, 2022 the Windsor Police Service reached a major milestone when the PSAP transitioned to an NG911 ready system. In early 2023, the service will connect to the ESInet and be fully compliant as an NG911 PSAP well in advance of the CRTC deadline. The Windsor Police Service continues to be a leader in innovation and as an early adopter of Next Generation 9-1-1, continues to provide industry leading service and excellence in service to the citizens of Windsor and the Town of Amherstburg.

All municipalities operating PSAP's are faced with funding the ongoing legislated advancements that will be continuously phased in with NG911, along with the support and lifecycle management of the NG911 assets already purchased. PSAP's are transitioning to high tech operations centres, which is transforming the historic funding requirements for 911.

### Version Description

### Project Comments/Reference

7197005

### Version Comments

This project is in conjunction with Fire's capital project FRS-004-19. The two projects will be jointly executed and funding from both projects is required.

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5110	Machinery & Equipment - TCA	425,000	200,000	200,000	200,000	800,000	200,000	200,000	250,000	250,000	250,000	2,975,000
Total		425,000	200,000	200,000	200,000	800,000	200,000	200,000	250,000	250,000	250,000	2,975,000
<b>Revenues</b>												
124	Dev Chg - Police	300,000	0	0	0	0	0	0	0	0	0	300,000
195	Police Equipment Reserve	125,000	200,000	200,000	200,000	800,000	200,000	200,000	250,000	250,000	250,000	2,675,000
Total		425,000	200,000	200,000	200,000	800,000	200,000	200,000	250,000	250,000	250,000	2,975,000
<b>Related Projects</b>		<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>						
				<b>Revenue</b>								
		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>							
		2019	100,000	100,000	0							
		2020	525,000	525,000	0							
		2021	450,000	450,000	0							
		2022	400,000	400,000	0							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>			<b>Est. Completion Date</b>					
2019	January 1, 2019	Growth: 70.6 % Maintenance: 29.4 %		Laura Smith/Matt Caplin			TBD`					





# Project Version Summary

<b>Project #</b>	POL-005-19	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2023	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	Windsor Police Service - Facility Projects		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Agencies, Boards and Committees (ABC's)		
<b>Wards</b>	Ward 2, Ward 3, Ward 8		
<b>Version Name</b>	Main (Active)		

**Project Description**

Based on an extensive facility master planning process used to identify capital asset requirements at all WPS facilities, a prioritized list of projects have been identified; many of which at our HQ facility. The overall goal is to make physical changes that will meet ever-changing needs for service delivery. Emphasis will be placed on optimizing energy conservation, work productivity, and workplace health and safety. Some specific sub-projects include a reconfiguration of the Stores area to improve warehousing capacity and related efficiencies through modernized shelving and inventory management solutions; overhaul of the security card access system to gain efficiencies and improve overall security; re-purposing of public reception and Patrol Division spaces to meet changing service delivery needs; upgrades to the outdoor firing range; and renovations to various Operational Support and Investigative Division spaces.

**Version Description**

This overall project is comprised of a number of distinct sub-projects that apply to various locations throughout all WPS facilities – Headquarters, Tilston Training Centre, Sandwich Station, and Jefferson Operational Support Facility

Project Comments/Reference	Version Comments
7197006	

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5110	Machinery & Equipment - TCA	500,000	150,000	150,000	300,000	100,000	100,000	100,000	200,000	250,000	100,000	1,950,000
	Total	500,000	150,000	150,000	300,000	100,000	100,000	100,000	200,000	250,000	100,000	1,950,000
<b>Revenues</b>												
124	Dev Chg - Police	0	0	0	300,000	0	0	0	200,000	0	0	500,000
169	Pay As You Go - Capital Reserve	100,000	0	0	0	0	0	0	0	0	0	100,000
195	Police Equipment Reserve	300,000	150,000	150,000	0	100,000	100,000	100,000	0	250,000	100,000	1,250,000
221	Service Sustainability Investm	100,000	0	0	0	0	0	0	0	0	0	100,000
	Total	500,000	150,000	150,000	300,000	100,000	100,000	100,000	200,000	250,000	100,000	1,950,000

Related Projects		Historical Approved Budget			Operating Budget Impact
			Revenue		
		Year	Total Expense	Net City Cost	Subsidies
		2019	200,000	200,000	0
		2020	475,000	475,000	0
		2021	560,000	560,000	0
		2022	340,000	340,000	0
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date	
2019		Growth: 20.0 % Maintenance: 80.0 %	Barry Horrobin	TBD`	

# **2023 Approved Capital Budget**



## **Capital Project Summaries**

**CAO's Office**



# Project Version Summary

<b>Project #</b>	CAO-001-16	<b>Service Area</b>	Administration & Respresentation
<b>Budget Year</b>	2023	<b>Department</b>	CAO's Office
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - CAO's Office
<b>Title</b>	Paul Martin Bldg. Placeholder		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>	Ward 3		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	This budget is a placeholder for any expenditures that may be required for the Paul Martin Building that was transferred to the City from the federal government.
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<b>Version Description</b>	
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
7211061-PMB Elevator Modernization	PLACEHOLDER: B8/2019 - C226/2019: 2025 F169 \$454,384 - 2025 F160 \$550,000.

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	1,004,384	0	0	0	0	0	0	0	1,004,384
Total	0	0	1,004,384	0	0	0	0	0	0	0	1,004,384
<b>Revenues</b>											
160CF Committed Funding	0	0	550,000	0	0	0	0	0	0	0	550,000
169CF Committed Funding	0	0	454,384	0	0	0	0	0	0	0	454,384
Total	0	0	1,004,384	0	0	0	0	0	0	0	1,004,384

<b>Related Projects</b>	<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>		
			<b>Revenue</b>		<b>Effective Date</b>	Unknown	<b>Exp/(Rev) FTE Impact</b>
	<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Description</b>		0 0
	2021	500,000	500,000	0	No Operating Budget Impact		
2022	260,000	260,000	0				

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2016	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %	Joe Mancina	2025`
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# Project Version Summary

<b>Project #</b>	CAO-002-18	<b>Service Area</b>	Administration & Respresentation
<b>Budget Year</b>	2023	<b>Department</b>	CAO's Office
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - CAO's Office
<b>Title</b>	New Windsor-Essex Hospital System Plan		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>	Ward 9		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	Contribution to the reserve fund for the municipality's share of the new Windsor-Essex Hospital System Plan.										
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<b>Version Description</b>											
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<b>Project Comments/Reference</b>											
<b>Version Comments</b>	PLACEHOLDER: CR282/2016 - R18193: 2023 to 2027 F169 \$6.9m annually- 2028 F169 \$6.2m										

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
4250 TRANSFER to Reserve Fund	6,900,000	6,900,000	6,900,000	6,900,000	6,900,000	6,200,000	0	0	0	0	40,700,000
Total	6,900,000	6,900,000	6,900,000	6,900,000	6,900,000	6,200,000	0	0	0	0	40,700,000
<b>Revenues</b>											
169CF Committed Funding	6,900,000	6,900,000	6,900,000	6,900,000	6,900,000	6,200,000	0	0	0	0	40,700,000
Total	6,900,000	6,900,000	6,900,000	6,900,000	6,900,000	6,200,000	0	0	0	0	40,700,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>		

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2018	January 1, 2023	Growth: 100.0 % Maintenance: 0.0 %	TBD	2028`
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# **2023 Approved Capital Budget**



## **Capital Project Summaries**

**Office of the Commissioner of Economic Development & Innovation**





# Project Version Summary

<b>Project #</b>	MAY-001-19	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Economic Development
<b>Asset Type</b>	Unassigned	<b>Division</b>	Economic Development Office
<b>Title</b>	Windsor Works		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	This project will provide funding for various economic development investments throughout the City.										
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<b>Version Description</b>											
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<b>Project Comments/Reference</b>	7202006			<b>Version Comments</b>							
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<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
2915 Consulting Services - External	1,000,000	0	0	0	0	0	0	3,000,000	3,529,791	0	7,529,791
Total	1,000,000	0	0	0	0	0	0	3,000,000	3,529,791	0	7,529,791
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	1,000,000	0	0	0	0	0	0	3,000,000	3,529,791	0	7,529,791
Total	1,000,000	0	0	0	0	0	0	3,000,000	3,529,791	0	7,529,791

<b>Related Projects</b>	<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>			
			<b>Revenue</b>					
	<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>				
	2020	500,000	500,000	0				
	2021	500,000	500,000	0				
	2022	1,000,000	1,000,000	0				

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2019	January 1, 2020	Growth: 100.0 % Maintenance: 0.0 %	Joe Mancina	TBD`
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# Project Version Summary

<b>Project #</b>	ITC-001-08	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Info. Tech.
<b>Title</b>	Information Technology Business Continuity Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

## Project Description

The first stage of good Disaster Recovery Planning is Prevention. In other words, taking steps to prevent significant outages in the IT Infrastructure. For the last several years we have strived to improve the availability of our critical systems by adding redundancy and backups to various IT infrastructure components. During this time the Corporation has also become more dependent on technology, which is consistent with other sectors.

There does exist capital funding for some of this work in project ITC-006-07 and the focus has been on being able provide a reliable and highly available computing facility and a place to hold a backup of our data off site in the event of a disaster. Significant effort has also been made on improving the quality and consistency of our backup environment, which is critical to stage 2 of the process, which is the ability to restore the environment if we do lose it for some reason. Business Continuity Planning is a larger goal of ensuring that plans are in place to keep the Corporation's mission critical functions operating before, during and after a major catastrophe. This would be a much broader corporate initiative that would require significant resources both internal and external to not only develop but also ongoing resource dedication and operating expenditure to test and maintain.

The amount of resources dedicated to this type of planning should be proportionate to the impact that an outage would have on the business. For example, in a large financial or manufacturing organization where even a small amount of downtime will result in significant financial loss or loss of faith by investors then there should be a corresponding significant investment in ensuring the business has very minimal downtime and also has plans in place on how to continue to operate during these times. For organizations that are not at significant risk when systems fail then a more practical approach is reasonable since the increased resources required to develop and maintain Business Continuity Plans does not provide the same value.

## Version Description

The Corporation of the City of Windsor will need to decide where in this spectrum we reside and that will help to determine what level of plans are appropriate and provide the most value.

The Corporate Security Policy and Methodology that was approved by Council is one of the tools we have to help identify critical areas where more security and availability is required and where plans should be in place in the event of an outage. Funding is also planned in the Capital Budget under project ITC-005-07 (Corporate Data & Network Security Initiatives) to address these areas as they are identified.

It should be noted, the Disaster Recovery and/or the Security project will NOT result in a full Business Continuity Plan. Now that funding has been established, work can begin on this project. A consultant has been hired to conduct a corporate technology assessment and the development of a technology plan. This will help the Information Technology department provide a more reliable service, taking better advantage of cloud technologies to enable the Corporation to continue operations during a pandemic, cyber situation or natural disaster.

## Project Comments/Reference

7209005

## Version Comments

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	150,000	75,000	100,000	0	0	75,000	50,000	50,000	50,000	50,000	600,000
Total		150,000	75,000	100,000	0	0	75,000	50,000	50,000	50,000	50,000	600,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	75,000	75,000	50,000	0	0	25,000	25,000	25,000	25,000	25,000	325,000
221	Service Sustainability Investm	75,000	0	50,000	0	0	50,000	25,000	25,000	25,000	25,000	275,000
Total		150,000	75,000	100,000	0	0	75,000	50,000	50,000	50,000	50,000	600,000
<b>Related Projects</b>		<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>						
				<u>Revenue</u>				<u>Effective Date</u> Unknown		<u>Exp/(Rev)</u> FTE Impact		
		<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<u>Description</u>				0	0	
		2020	100,000	100,000	0	No Operating Budget Impact						
		2021	100,000	100,000	0							
		2022	200,000	200,000	0							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>		<b>Est. Completion Date</b>						
2008	January 1, 2020	Growth: 50.0 % Maintenance: 50.0 %		Norm Synnott		Ongoing`						



# Project Version Summary

<b>Project #</b>	ITC-001-10	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Info. Tech.
<b>Title</b>	Smart Community Initiative		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

Under the umbrella of e-Government there are several pillars. In addition to Modernizing our services, which the MyWindsor project is addressing, there is also effort to continually improve transparency, community engagement and Open Government. This requires investment in tools and technology to improve the citizen experience online providing more timely access to information and opportunities to engage. As the region moves forward with a variety of efforts to redefine our economy, working smarter, together with our Residents and business is essential. The Smart Community initiative is one of the key ways that we can accomplish this.

**Version Description**

This funding will be used to fund e-Government projects that expand the opportunities available to engage with the public, improve the citizen's online experience and improve access to public information through open data.

2023-2027: Citizen self-service initiatives; Digital City Services; Improved open data and transparency initiatives.

Related projects include:

- MyWindsor e-services program
- Open data portal - regional data sharing initiatives
- Road safety asset detection through Artificial Intelligence (pilot)
- Citizen engagement portal (pilot)

Project Comments/Reference	Version Comments
7009015	

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5411	Construction Contracts-Non TCA	200,000	200,000	200,000	200,000	200,000	50,000	50,000	50,000	50,000	50,000	1,250,000
	Total	200,000	200,000	200,000	200,000	200,000	50,000	50,000	50,000	50,000	50,000	1,250,000
<b>Revenues</b>												
160	Capital Expenditure Reserve	0	0	0	0	0	0	0	0	0	0	0
169	Pay As You Go - Capital Reserve	200,000	200,000	200,000	200,000	200,000	50,000	50,000	50,000	50,000	50,000	1,250,000
	Total	200,000	200,000	200,000	200,000	200,000	50,000	50,000	50,000	50,000	50,000	1,250,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2019	136,400	136,400	0				
		2020	136,400	136,400	0				
		2021	96,400	96,400	0				
		2022	200,000	200,000	0				
					No Operating Budget Impact				
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date					
2010	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %	Trevor Bennet	Ongoing`					



# Project Version Summary

<b>Project #</b>	ITC-001-13	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Info. Tech.
<b>Title</b>	Corporate Integration of Mobile Technologies		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

## Project Description

Under the e-Government umbrella and modernizing government also includes moving City Services closer to the Resident and business and making them more mobile. Funding request is to facilitate implementation of organizational mobility. Untethering staff from their desks results in productivity and customer service improvements. The corporation has been making gains in these areas by incrementally growing the mobile workforce.

Two factors are driving this future investment requirement:

- 1) The current mobile workforce initiatives are ad hoc. Once a critical mass is reached, an investment will be required for a more efficient and effective holistic solution.
- 2) Technology changes in the mobile space are rapid and significant. Solutions implemented today will be sufficient, but this mobile space is changing so quickly it is almost certain these solutions will become antiquated in the coming years.

## Version Description

Costs may include but are not limited to: mobile devices, software, customization, interface development, infrastructure, security. This project includes all consumer costs to move work activities into the field.

## Project Comments/Reference

7199003

## Version Comments

## Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5411 Construction Contracts-Non TCA	0	0	0	0	300,000	50,000	50,000	50,000	675,000	50,000	1,175,000
Total	0	0	0	0	300,000	50,000	50,000	50,000	675,000	50,000	1,175,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	300,000	50,000	50,000	50,000	675,000	50,000	1,175,000
Total	0	0	0	0	300,000	50,000	50,000	50,000	675,000	50,000	1,175,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2019	500,000	500,000	0				
		2021	375,000	375,000	0				
		A more mobile workforce has a definite impact on Operating as each mobile device will require a monthly connectivity cost while this Capital Budget can address the up front costs. The ongoing costs will need to be allocated by each area requiring mobile services.							
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date					
2013	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %	Chantelle Bernard	Ongoing`					





## Project Version Summary

<b>Project #</b>	ITC-007-07	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Info. Tech.
<b>Title</b>	Corporate Intranet Redesign & Internet Accessibility Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

The growing demand for e-Government or digital services for residents, visitors and businesses, requires an ongoing investment to continually modernize our services and service delivery mechanisms.

For visitors of the City's website, future initiatives will allow for enhanced delivery of municipal services. Continual enhancements to functionality will be required to meet the continual and evolving needs.

This is evident with the introduction of the MyWindsor Self Service online automation project that will provide citizens and businesses the ability, with their own secured single "MyWindsor" account, to (among other things);

- view their own information such as property tax;
- place a request for a product or service like applying for permits or licenses;
- completing online registrations;
- pay for these services

Expanding the demand for e-Government internally for employees to leverage digital services also requires an ongoing investment to modernize processes and access to information through on-demand service portals. This is delivered through the MyInfo Self Service online automation projects that will provide employees and supervisors access to information and actions to effectively support employees.

### Version Description

The demand for public facing websites, internal web portals and web based technology to deliver e-Government services to Residents, visitors, businesses and employees in an effort to modernize our services and as a primary service channel is growing significantly. The funds requested in 2022 and beyond will be used to upgrade licenses to keep the technology current, expand MyWindsor and MyInfo programs or migrate to a new platform based on industry trends and Corporate needs. The continual deployment of changing technology is necessary to continue increasing the efficiency and productivity of Citizens and employees.

### Project Comments/Reference

7075017

### Version Comments

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5411	Construction Contracts-Non TCA	0	0	425,000	0	0	150,000	125,000	150,000	150,000	575,000	1,575,000
Total		0	0	425,000	0	0	150,000	125,000	150,000	150,000	575,000	1,575,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	0	0	0	0	75,000	75,000	100,000	100,000	500,000	850,000
221	Service Sustainability Investm	0	0	425,000	0	0	75,000	50,000	50,000	50,000	75,000	725,000
Total		0	0	425,000	0	0	150,000	125,000	150,000	150,000	575,000	1,575,000
<b>Related Projects</b>		<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>						
				<b>Revenue</b>		<b>Effective Date</b> Unknown		<b>Exp/(Rev)</b>		<b>FTE Impact</b>		
		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Description</b>						
		2007	25,000	25,000	0	No Operating Budget Impact						0
		2008	100,000	100,000	0							0
		2009	400,000	400,000	0							0
		2010	500,000	500,000	0							0
		2011	625,000	625,000	0							0
		2019	850,000	850,000	0							0
		2022	550,000	550,000	0							0
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>		<b>Est. Completion Date</b>						
2007	January 1, 2007	Growth: 0.0 % Maintenance: 0.0 %		Trevor Bennet		Ongoing`						



## Project Version Summary

<b>Project #</b>	ITC-001-12	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Business Process Modernization
<b>Title</b>	Fire and Rescue Records Management and Computer Aided Dispatch System Initiatives		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

Project Description	
<p>To implement the following technology at Windsor Fire and Rescue Services (WFRS):</p> <ul style="list-style-type: none"> <li>• Phase 1: A “full feature” fire records management solution (fire RMS) that will improve data accessibility and reliability for emergency responders and administrators</li> <li>• Phase 2: An upgraded computer-aided dispatch (CAD) solution and other related programs to modernize the technology at WFRS.</li> </ul> <p>WFRS has fallen significantly behind all other major Canadian fire agencies in the use of IT for service improvement and enhancement, specifically for creating fire RMS data, making that information available 24/7 on mobile devices, NextGen 911, and accessing corporate records. In addition to supplementing operational activities, the above new technologies are needed to provide management decision support, allow for information exchange, and expedite decision-making within WFRS and with senior City management.</p> <p>The department’s strategic focus is to move from ‘just keeping the lights on’ to providing incremental improvements toward achieving excellence and realizing its business goals. The acquisition of a full feature fire RMS and an upgraded CAD will help to realize that vision.</p> <p>Phase 1 – Fire RMS:</p> <p>A fire RMS can save lives. It does this by compiling information quickly from unrelated programs to facilitate decision-making during emergencies. Additionally, its sophisticated analytics allow administrators to design better plans for protecting the community.</p> <p>Fire RMSs are used throughout the industry to address the specialized data capture and reporting needs of emergency response agencies. The technology’s modular design includes the ability to track incidents, inspections, personnel, shift assignments, training, and asset inventories/maintenance. For departments that already have computer programs to manage this information, a fire RMS can act as a layer above those systems, populating them with data while providing a simplified user experience and a similar look-and-feel across the various modules. Additionally, a fire RMS unifies records pertaining to people, properties, and emergency vehicles, and this allows for easier and more accurate report generation.</p> <p>Phase 2 – CAD:</p> <p>A CAD system is an essential tool for emergency services, and the effective use of one can shorten response times and result in reduced damage to health and property. This project is for improvement and modernization of the dispatch function and all related processes associated with it.</p>	
Version Description	
<p>WFRS requires the full functionality of a Fire RMS as well as modernized dispatch processes and associated technology. Due to the size of this project, the intent is to implement it in phases.</p> <ul style="list-style-type: none"> <li>• Phase 1 was the deployment of the fire RMS and was implemented in two stages. Stage 1 focused on the needs of Personnel, Property, Incidents, Apparatus, Quarter Master, and Training. Stage 2 addresses the remaining modules of a fire RMS, including inspections Please note: There was some urgency to act on implementing phase 1 in 2018, thus Council approved (#C126/2018) on July 23, 2018 which approved a pre-commitment of funding from 2021 in the amount of \$784,960 to be available for use beginning in 2018 inclusive of applicable financing costs. As of August 31, 2022, \$455,910 has been used within the project’s budget to fund Phase 1.</li> <li>• Phase 2 would begin in 2026+ with the modernization of dispatch and all related processes and technology.</li> </ul>	
Project Comments/Reference	Version Comments
7183016	

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5411	Construction Contracts-Non TCA	0	0	0	100,000	100,000	200,000	200,000	200,000	250,000	100,000	1,150,000
Total		0	0	0	100,000	100,000	200,000	200,000	200,000	250,000	100,000	1,150,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	0	0	100,000	100,000	200,000	200,000	200,000	250,000	100,000	1,150,000
Total		0	0	0	100,000	100,000	200,000	200,000	200,000	250,000	100,000	1,150,000
<b>Related Projects</b>		<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>						
<b>Follows</b> FRS-002-07		<b>Year</b>		<b>Total Expense</b>		<b>Revenue</b>						
<b>Project Title</b> Fire & Rescue Computer-aided Dispatch System (CRISYS)		2021		800,000		Net City Cost		Subsidies				
						800,000		0				
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>			<b>Est. Completion Date</b>					
2012	January 1, 2021	Growth: 0.0 % Maintenance: 0.0 %		Trevor Bennet			2032+`					



# Project Version Summary

<b>Project #</b>	ITC-001-09	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	End User Management
<b>Title</b>	Corporate Facilities Content Access Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>
Improve corporate communication and display notification features at locations that have employees without computer access and in meeting rooms where collaboration can significantly improve efficiency and service levels

<b>Version Description</b>
The trend for content access demand within the corporate community continues to increase, with the technology required to deliver this medium changing at an equal pace. Virtual meetings are now common but meeting rooms lack the technology for multiple physical participants. Disseminating and posting of paper based notifications is still time consuming and archaic. Putting in place the technology required for virtual meeting rooms and corporate content access is the focus of this project budget.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7101007	

<b>Project Detailed Forecast</b>												
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>	
<b>Expenses</b>												
5411 Construction Contracts-Non TCA	0	0	0	0	0	75,000	75,000	50,000	50,000	50,000	300,000	
Total	0	0	0	0	0	75,000	75,000	50,000	50,000	50,000	300,000	
<b>Revenues</b>												
169 Pay As You Go - Capital Reserve	0	0	0	0	0	75,000	75,000	50,000	50,000	50,000	300,000	
Total	0	0	0	0	0	75,000	75,000	50,000	50,000	50,000	300,000	

<b>Related Projects</b>	<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>			
			<b>Revenue</b>		<b>Effective Date</b>	Unknown	<b>Exp/(Rev)</b>	<b>FTE Impact</b>
	<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Description</b>		0	0
	2010	150,000	150,000	0	No Operating Budget Impact			
	2020	200,000	200,000	0				
2022	200,000	200,000	0					

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2009	January 1, 2010	Growth: 0.0 % Maintenance: 0.0 %	Chantelle Bernard	Ongoing`



## Project Version Summary

<b>Project #</b>	ITC-001-19	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	End User Management
<b>Title</b>	Funding for Microsoft Software		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

Desktop computers and most servers at the City of Windsor require a number of Microsoft licenses to deploy. Desktops run on Microsoft Windows and utilize the Microsoft Office suite of products. Most servers run Microsoft Windows for Servers and many databases are Microsoft SQL. Our email system utilizes Microsoft Exchange and our Web environment is built on the Microsoft SharePoint platform. The Microsoft Corporation licensing fees required to run these products are very expensive.

Microsoft refreshes / updates their software with new versions every few years and currently discontinue support for older versions after 10 years. We currently budget for new software versions on a five-year cycle but in most cases have been able to extend their use beyond 5 years. In 2018 the City refreshed most of our Microsoft licenses, upgrading to the current version of software.

While implementing these perpetual Microsoft licences will allow us to function for the next several years, we have begun planning for the future of Microsoft products in our environment. This includes considering future deployment and support processes, as well as, the costing impact to the City.

Gartner, world's leading research and advisory company, advised that organizations budget to subscribe to Office 365 ProPlus (or an Office 365 bundle that includes it) by October 2020 or rebuy traditional licences every five years (or less, if available) if you have plans to use Exchange Online or SharePoint Online with traditional editions of Outlook and other Office client software.

As noted above, this may be the last time we can purchase perpetual Microsoft licenses, as Microsoft are changing their software licensing model to subscription-based licensing and moving a lot of their services into the cloud.

Microsoft plans on releasing updates to all its applications and operating systems on a 6-month basis with support diminished to 18 months from the time of release. Moving to a subscription-based model is costlier than deploying perpetual licences and utilizing those licences until they are no longer supported.

Currently, we have been financing the Microsoft licenses through a portion of the annual \$480 PC Maintenance and Support Reserve fees of \$40 / month. Each user account on our system requires Microsoft licensing. Almost all user accounts utilize a City desktop or laptop and a portion of this \$40 / month fee has covered the Microsoft licenses.

The Work Force Windsor project added approximately 1,500 new user accounts that are not directly associated with a City desktop or laptop and that are not part of the annual PC Maintenance and Support Reserve program which covers the cost of Microsoft licensing. The Work Force Windsor project start-up costs and the excess in the PC Maintenance and Support Reserve (by our past practise of extending software beyond five years) was able to cover the initial Microsoft licenses purchased in 2018.

With the increased cost of Microsoft licenses and the extra licenses needed for the new Work Force Windsor user accounts, the PC Maintenance and Support Reserve will be unable to fund the necessary Microsoft licensing after five years when the next license purchase is required. Computer software is critical to the operation of the City of Windsor, and in most cases licensing fees are unavoidable and expensive. Finance and IT have developed an IT Funding Model which takes into consideration how future costing requirements for Enterprise Applications and corporate software will be funded. A 3 year commitment approved by City Council in the 2022 operating budget is still contingent on council approving the increments for 2023 and 2024. As this project is part of that overall funding model, this project is still ongoing.

<b>Version Description</b>																							
The pandemic and hybrid work from home have accelerated the move to MS365 and a funding model has been established to fund the annual fees through the PAYG reserve. The funds requested in 2026 and beyond will be transferred to the PAYG reserve to help preserve the health of the PAYG reserve fund and help fund the annual fees for MS365.																							
<b>Project Comments/Reference</b>						<b>Version Comments</b>																	
<b>Project Detailed Forecast</b>																							
<b>GL Account</b>		<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>											
<b>Expenses</b>																							
5410	Construction Contracts - TCA	0	0	0	600,000	600,000	900,000	900,000	900,000	200,000	0	4,100,000											
Total		0	0	0	600,000	600,000	900,000	900,000	900,000	200,000	0	4,100,000											
<b>Revenues</b>																							
169	Pay As You Go - Capital Reserve	0	0	0	0	0	150,000	150,000	150,000	0	0	450,000											
221	Service Sustainability Investm	0	0	0	600,000	600,000	750,000	750,000	750,000	200,000	0	3,650,000											
Total		0	0	0	600,000	600,000	900,000	900,000	900,000	200,000	0	4,100,000											
<b>Related Projects</b>			<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>																
							<table border="0"> <tr> <td><b>Effective Date</b></td> <td>2026-01-01</td> <td><b>Exp/(Rev)</b></td> <td><b>FTE Impact</b></td> </tr> <tr> <td><b>Description</b></td> <td colspan="2"></td> <td>1      0</td> </tr> <tr> <td colspan="4">Unless this ongoing, yearly funding is approved or a new funding model is developed to cover the future costs for Microsoft's new subscription based, cloud software licensing model, an extremely large increase to departmental pc maintenance fees will be required from all departments.</td> </tr> </table>					<b>Effective Date</b>	2026-01-01	<b>Exp/(Rev)</b>	<b>FTE Impact</b>	<b>Description</b>			1      0	Unless this ongoing, yearly funding is approved or a new funding model is developed to cover the future costs for Microsoft's new subscription based, cloud software licensing model, an extremely large increase to departmental pc maintenance fees will be required from all departments.			
<b>Effective Date</b>	2026-01-01	<b>Exp/(Rev)</b>	<b>FTE Impact</b>																				
<b>Description</b>			1      0																				
Unless this ongoing, yearly funding is approved or a new funding model is developed to cover the future costs for Microsoft's new subscription based, cloud software licensing model, an extremely large increase to departmental pc maintenance fees will be required from all departments.																							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>			<b>Est. Completion Date</b>																
2019	January 1, 2024	Growth: 0.0 % Maintenance: 0.0 %		Chantelle Bernard			Ongoing`																





## Project Version Summary

<b>Project #</b>	ITC-002-19	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Enterprise Systems
<b>Title</b>	Municipal Tax System		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

The AMANDA Enterprise System (AMANDA) is a corporate-wide application that the City of Windsor (City) uses to help manage and support several City services. In AMANDA, the Tax module is currently used by the Finance department to manage the issuance of property tax bills and the collection of revenue. As the main source of revenue for the City, approximately \$408M is collected through this system.

The software vendor, Granicus, has announced the end-of-life period for the current Tax module within AMANDA. Granicus made the decision to remove the Tax module from their list of software product offerings with immediate effect and with no application upgrades available to the existing version. Granicus has estimated that support for the existing version of the Tax module will end in approximately 2 years. Other modules in AMANDA such as Permitting, Licensing and Compliance, etc. will not be impacted.

The City has procured a new system to implement from Central Square to replace the current Tax module in AMANDA. It is critical that this new system be implemented prior to support ending with Granicus to ensure the timely and accurate billing of municipal property taxes along with collection of revenue. Given the impact to revenue, this presents a significant risk to the City as property tax revenue funds the majority of our City services.

The \$408M worth of yearly revenue collected through the AMANDA Tax Module includes property tax revenue and other tax revenue administered by the Finance department for the English Separate School Boards, English Public School Board, French Separate School Board, French Public School Board, Enwin Utilities and the Provincial Offenses Act Office.

Delivery of a new Tax System will occur in 3 major phases:

- Phase 1: Tax System Discovery and Procurement - Complete
- Phase 2: Implementation of a New Tax System – Initiated
- Phase 3: Deployment of a New Tax System - TBD

The estimated cost of this project of \$2.5M is based on the previous implementation of the AMANDA Tax module plus anticipated resource costs.

<b>Version Description</b>																									
Delivery of a new Tax System will occur in 3 major phases and will require capital funding for the software implementation costs, customization and data conversion costs, maintenance and support fees along with additional resources for the following:																									
Phase 1: Tax System Discovery and Procurement - Complete																									
The replacement of the Tax System is a critical project that must be completed because the current system will no longer be offered. This creates two significant enterprise risks to the City that technology might fail to meet our needs in the delivery of services and in the portrayal of the City regarding municipal tax billings. Failure to collect revenue could pose a critical financial risk to several other enterprise systems in the delivery of City services. The City has completed this phase of the project and procured a new tax system from Central Square to replace the AMANDA module.																									
Phase 2: Implementation of a New Tax System - Initiated																									
• Software, Licensing or Subscription Fees, Data Conversion, Customization, Tax Reports & Documentation, Testing, Human Resources, etc.																									
Phase 3: Deployment of a New Tax System																									
• Training, Human Resources, Deploy new Tax System, Provide Support After Go-Live																									
Future Expenses (2026)																									
• Upgrades, customizations, maintenance, etc.																									
<b>Project Comments/Reference</b>				<b>Version Comments</b>																					
7207000				COMMITMENTS: CR526/2021 C 132/2021: 2023 F221 \$1,341,000 - 2026 F221 \$530,000																					
<b>Project Detailed Forecast</b>																									
<b>GL Account</b>		<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>													
<b>Expenses</b>																									
5126	Computer Software	1,341,000	0	0	530,000	0	0	0	0	0	0	1,871,000													
Total		1,341,000	0	0	530,000	0	0	0	0	0	0	1,871,000													
<b>Revenues</b>																									
221	Service Sustainability Investm	0	0	0	0	0	0	0	0	0	0	0													
221CF	Committed Funding	1,341,000	0	0	530,000	0	0	0	0	0	0	1,871,000													
Total		1,341,000	0	0	530,000	0	0	0	0	0	0	1,871,000													
<b>Related Projects</b>			<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>																		
			<table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">Total Expense</th> <th colspan="2">Revenue</th> </tr> <tr> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr> <td>2020</td> <td>233,500</td> <td>233,500</td> <td>0</td> </tr> <tr> <td>2021</td> <td>1,795,500</td> <td>1,795,500</td> <td>0</td> </tr> </tbody> </table>				Year	Total Expense	Revenue		Net City Cost	Subsidies	2020	233,500	233,500	0	2021	1,795,500	1,795,500	0					
Year	Total Expense	Revenue																							
		Net City Cost	Subsidies																						
2020	233,500	233,500	0																						
2021	1,795,500	1,795,500	0																						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>			<b>Est. Completion Date</b>																			

2019	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %	Josh Higgins	2026`
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## Project Version Summary

<b>Project #</b>	ITC-008-07	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Enterprise Systems
<b>Title</b>	Corporate Enterprise Resource Planning (ERP) System		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

The focus of this project is to utilize funds to support necessary enhancements to Enterprise Resource Planning systems. Such items include System Support, Projects or Business Process Initiatives approved by the various Governance Groups that create corporate technical workplans annually. A sub-project is being initiated to formulate recommendations on the eventual replacement or upgrading of PeopleSoft Financials and HRMS. Rimini Street Inc. (Rimini) provides 3rd party support services to the City of Windsor (City) for both of these systems currently. In 2014 the City ended its support and maintenance agreement with Oracle and signed with Rimini. The Rimini support services are offered at a lower cost however they do not provide version upgrades to the applications. As the aging technology has not been upgraded since 2009 for PeopleSoft Financial and 2011 for PeopleSoft HRMS, it has been identified as a significant enterprise risk that technology could fail to meet our needs if not updated.

### Version Description

In 2021, the City extended the support and maintenance agreement with Rimini until 2027 with the view towards a replacement of both PeopleSoft systems or a major upgrade to the existing applications. Risk indicators are showing incompatibility concerns with related technology such as Microsoft that is causing challenges with maintaining the applications.

2023+ – Reporting tools, enhancements to online services and in 2025 it will be 10 year's that PeopleSoft (FIN/HRMS) has been supported by Rimini Street without a version upgrade. Research and planning must occur prior to this to ensure the sustainability of our financial and HR systems to determine the appropriate ERP roadmap for a version upgrade or software replacement. Additionally, the Workforce Management System will require system updates to remain current with the vendors support agreement. This will require upgrades to the current version and reconfiguration of business rules depending on collective bargaining changes and other related legislative changes (including Workforce Management (WFM) Contingency).

A significant enterprise risk exists in that technology could fail to meet our needs if the technology is not updated within the next 5 years. Each year the risk increases as the software ages and related technology changes. An ERP roadmap will be initiated in 2023 to identify costs and make recommendations on the replacement or upgrading of these systems. This information will have to be reviewed with the available funding to ensure both systems are maintained. At the end of the Rimini support agreement, it will be 18 years since the last PeopleSoft Financials upgrade and 16 years for PeopleSoft HRMS. Given the age of technology and incompatibility with Microsoft, it is critical that the City be actively moving to a new/upgraded system(s) or have completed the changeover.

### Project Comments/Reference

7074018

### Version Comments

A budget pressure on the available capital funding is the Oracle license agreement which authorizes the City to use the PeopleSoft applications. The PeopleSoft Financial system is licensed based on the value of the City's annual budget, and PeopleSoft HRMS is licensed based on the headcount of employees in the system. For PeopleSoft Financials, it is anticipated that the City will exceed the threshold in the agreement in 2023 and have to purchase additional licenses to continue to use the application.

Project Detailed Forecast																																																																						
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total																																																										
<b>Expenses</b>																																																																						
5411	Construction Contracts-Non TCA	250,000	0	516,696	2,000,000	2,154,473	1,750,000	2,250,000	1,718,079	1,381,921	1,555,000	13,576,169																																																										
Total		250,000	0	516,696	2,000,000	2,154,473	1,750,000	2,250,000	1,718,079	1,381,921	1,555,000	13,576,169																																																										
<b>Revenues</b>																																																																						
169	Pay As You Go - Capital Reserve	0	0	0	0	0	500,000	1,000,000	468,079	581,921	385,000	2,935,000																																																										
221	Service Sustainability Investm	250,000	0	516,696	2,000,000	2,154,473	1,250,000	1,250,000	1,250,000	800,000	1,170,000	10,641,169																																																										
Total		250,000	0	516,696	2,000,000	2,154,473	1,750,000	2,250,000	1,718,079	1,381,921	1,555,000	13,576,169																																																										
Related Projects		Historical Approved Budget					Operating Budget Impact																																																															
				<table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">Total Expense</th> <th colspan="2">Revenue</th> </tr> <tr> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr><td>2007</td><td>100,000</td><td>100,000</td><td>0</td></tr> <tr><td>2008</td><td>100,000</td><td>100,000</td><td>0</td></tr> <tr><td>2009</td><td>250,000</td><td>250,000</td><td>0</td></tr> <tr><td>2010</td><td>300,000</td><td>300,000</td><td>0</td></tr> <tr><td>2012</td><td>140,000</td><td>140,000</td><td>0</td></tr> <tr><td>2014</td><td>125,000</td><td>125,000</td><td>0</td></tr> <tr><td>2015</td><td>100,000</td><td>100,000</td><td>0</td></tr> <tr><td>2016</td><td>25,000</td><td>25,000</td><td>0</td></tr> <tr><td>2019</td><td>475,000</td><td>475,000</td><td>0</td></tr> <tr><td>2020</td><td>125,000</td><td>125,000</td><td>0</td></tr> <tr><td>2021</td><td>250,000</td><td>250,000</td><td>0</td></tr> <tr><td>2022</td><td>250,000</td><td>250,000</td><td>0</td></tr> </tbody> </table>			Year	Total Expense	Revenue		Net City Cost	Subsidies	2007	100,000	100,000	0	2008	100,000	100,000	0	2009	250,000	250,000	0	2010	300,000	300,000	0	2012	140,000	140,000	0	2014	125,000	125,000	0	2015	100,000	100,000	0	2016	25,000	25,000	0	2019	475,000	475,000	0	2020	125,000	125,000	0	2021	250,000	250,000	0	2022	250,000	250,000	0	<table border="1"> <thead> <tr> <th>Effective Date</th> <th>Unknown</th> <th>Exp/(Rev)</th> <th>FTE Impact</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>0</td> <td>0</td> </tr> </tbody> </table>		Effective Date	Unknown	Exp/(Rev)	FTE Impact			0	0
Year	Total Expense	Revenue																																																																				
		Net City Cost	Subsidies																																																																			
2007	100,000	100,000	0																																																																			
2008	100,000	100,000	0																																																																			
2009	250,000	250,000	0																																																																			
2010	300,000	300,000	0																																																																			
2012	140,000	140,000	0																																																																			
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Effective Date	Unknown	Exp/(Rev)	FTE Impact																																																																			
		0	0																																																																			
				Description			No Operating Budget Impact																																																															
Year Identified	Start Date	Project Type for 2023		Project Lead		Est. Completion Date																																																																
2007	January 1, 2007	Growth: 0.0 % Maintenance: 100.0 %		Josh Higgins		Ongoing`																																																																



## Project Version Summary

<b>Project #</b>	ITC-011-07	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Enterprise Systems
<b>Title</b>	AMANDA Information System Upgrades and Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

The AMANDA Enterprise System is a Corporate wide system used by many Departments including Licensing, Building, Fire, Public Works, Property Taxes etc. Enhancements to this system are required to support business administration, accommodate legislative changes, implement software upgrade requirements, and maintain technology standards. These enhancements have been approved by the AMANDA Governance and Managers groups, and will be scheduled for the next five ten year plan. The enhancements are approved and are monitored as part of the corporate AMANDA annual work plan. With this funding strategy the goal is to primarily ensure that the system remains functional, accommodates expansion, and ensures day-to-day business continuity.

### Version Description

The AMANDA 7 upgrade was completed in 2022 to meet the vendor support requirements. This included a new security framework, upgrading the infrastructure, reviewing departmental business processes, the creation of job aids and employee training, and an analysis of other dependent corporate applications. Extensive testing of all modules and corporate wide training on the new platform was provided.

2023+ - Projects identified and prioritized through Amanda Governance Committee for enhancement and ongoing maintenance to the system. Several key initiatives have a dependency to integrate with AMANDA such as, CloudPermit, My Windsor and the new Municipal Property Tax Solution. It is anticipated that by at least 2025 that the AMANDA 7 version will need to be upgraded which will require project funding for the conversion, consulting services and enhancements to the application.

On-going – implementation of additional functionality to create efficiencies needed by the corporate users as submitted through the governance process.

Regular application maintenance is required under the license and support agreement that requires annual funding. If annual maintenance is not done to the application the City could incur significant costs for consulting and/or hardware purchases to sustain the application and risk critical technology failure to the AMANDA system that supports the operations for several City departments.

### Project Comments/Reference

7075021

### Version Comments

Project Detailed Forecast													
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total	
<b>Expenses</b>													
5411	Construction Contracts-Non TCA	200,000	200,000	200,000	0	0	250,000	250,000	250,000	250,000	250,000	1,850,000	
Total		200,000	200,000	200,000	0	0	250,000	250,000	250,000	250,000	250,000	1,850,000	
<b>Revenues</b>													
160	Capital Expenditure Reserve	50,000	0	0	0	0	0	0	0	0	0	50,000	
221	Service Sustainability Investm	150,000	200,000	200,000	0	0	250,000	250,000	250,000	250,000	250,000	1,800,000	
Total		200,000	200,000	200,000	0	0	250,000	250,000	250,000	250,000	250,000	1,850,000	
Related Projects		Historical Approved Budget				Operating Budget Impact							
				<u>Revenue</u>				Effective Date Unknown		Exp/(Rev) FTE Impact			
		<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<u>Description</u>						0	0
		2007	150,000	150,000	0	No Operating Budget Impact							
		2008	150,000	150,000	0								
		2009	150,000	150,000	0								
		2010	150,000	150,000	0								
		2011	150,000	150,000	0								
		2012	150,000	150,000	0								
		2015	100,000	100,000	0								
		2016	25,000	25,000	0								
		2018	200,000	200,000	0								
		2019	350,000	350,000	0								
		2020	200,000	200,000	0								
		2021	200,000	200,000	0								
		2022	300,000	300,000	0								
Year Identified	Start Date	Project Type for 2023		Project Lead		Est. Completion Date							
2007	January 1, 2007	Growth: 25.0 % Maintenance: 75.0 %		Josh Higgins		Ongoing`							



## Project Version Summary

<b>Project #</b>	ITC-001-22	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Information Technology
<b>Asset Type</b>		<b>Division</b>	Technology Infrastructure
<b>Title</b>	Data & Insights		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

### Project Description

The purpose of this project is to implement the recommendations from the Information Builders, Inc. (IBI) report (Report) to Council. In 2019, the City of Windsor (City) hired IBI to find efficiencies that could be achieved through data analytics and information management. The following recommendations were made:

- Develop an integrated information management strategy to meet the City's strategic goals
- Implement a business intelligence and analytics architecture in phases as described in the report;
- Create a Business Intelligence Centre of Excellence (BI CoE) to support the successful implementation of the business intelligence and analytics architecture and the more effective use of data at all levels of the organization;
- Invest in the business process re-design and change management that is essential to the success of the overall plan.

### Version Description

IBI provided cost estimates to implement their recommendations that included consulting services, one-time and on-going software/hardware costs, training, and positions to start the adoption phase of the project. With the development of the integrated information management strategy future capital requests will be brought forward to continue with the adoption phase

### Project Comments/Reference

7221035

### Version Comments



Project Detailed Forecast																						
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total										
<b>Expenses</b>																						
5411	Construction Contracts-Non TCA	100,000	100,000	0	0	0	0	0	0	0	50,000	250,000										
Total		100,000	100,000	0	0	0	0	0	0	0	50,000	250,000										
<b>Revenues</b>																						
169	Pay As You Go - Capital Reserve	50,000	25,000	0	0	0	0	0	0	0	50,000	125,000										
221	Service Sustainability Investm	50,000	75,000	0	0	0	0	0	0	0	0	125,000										
Total		100,000	100,000	0	0	0	0	0	0	0	50,000	250,000										
<b>Related Projects</b>		<b>Historical Approved Budget</b>					<b>Operating Budget Impact</b>															
		<table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">Total Expense</th> <th colspan="2">Revenue</th> </tr> <tr> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr> <td>2022</td> <td>300,000</td> <td>300,000</td> <td>0</td> </tr> </tbody> </table>					Year	Total Expense	Revenue		Net City Cost	Subsidies	2022	300,000	300,000	0						
Year	Total Expense	Revenue																				
		Net City Cost	Subsidies																			
2022	300,000	300,000	0																			
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>			<b>Est. Completion Date</b>															
2022	January 1, 2022	Growth: 50.0 % Maintenance: 50.0 %		Josh Higgins			Ongoing`															



# Project Version Summary

<b>Project #</b>	ITC-002-07	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Technology Infrastructure
<b>Title</b>	Corporate Electronic Storage and Retrieval Systems Upgrades		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

It is becoming more difficult to keep up with the growing storage demands. The corporation needs to expand its current storage capacity, while taking advantage of newer technologies to help improve security, performance and control the increased cost. This requires a state of the art storage that is reliable and expandable. It should include a tiered architecture that allows least referenced material to be allocated to less expensive storage media. New technologies like solid State Disks, deduplication, and compression allow for better performance while built-in drive encryption increases security. It should include the ability to conduct a discovery avoiding the possibility of violating legislative requirements. This is a requirement for freedom of information requests and e-discovery rules for any dispute. Without this project we are not able to provide expected levels of Information Technology (IT) services.

**Version Description**

2023: Investigate new technologies and processes that will help us organize and more effectively manage our data, including the assessment and integration of cloud solutions.

2024+: Continue to expand storage to meet required growth. Implement tools and/or solutions researched in 2023 to help organize data and meet retention requirements. Add security features to reduce data loss and improve privacy and security.

Project Comments/Reference	Version Comments
7069900	

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5411	Construction Contracts-Non TCA	150,000	150,000	100,000	100,000	100,000	125,000	100,000	100,000	125,000	125,000	1,175,000
	Total	150,000	150,000	100,000	100,000	100,000	125,000	100,000	100,000	125,000	125,000	1,175,000
<b>Revenues</b>												
160	Capital Expenditure Reserve	0	150,000	100,000	100,000	50,000	0	0	0	0	0	400,000
169	Pay As You Go - Capital Reserve	90,000	0	0	0	0	50,000	50,000	50,000	75,000	75,000	390,000
221	Service Sustainability Investm	60,000	0	0	0	50,000	75,000	50,000	50,000	50,000	50,000	385,000
	Total	150,000	150,000	100,000	100,000	100,000	125,000	100,000	100,000	125,000	125,000	1,175,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2007	75,000	75,000	0				
		2008	75,000	75,000	0				
		2009	200,000	200,000	0				
		2012	150,000	150,000	0				
		2014	150,000	150,000	0				
		2015	150,000	150,000	0				
		2017	100,000	100,000	0				
		2018	100,000	100,000	0				
		2019	150,000	150,000	0				
		2020	150,000	150,000	0				
		2021	150,000	150,000	0				
		2022	150,000	150,000	0				
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2007	January 1, 2007	Growth: 60.0 % Maintenance: 40.0 %		Chantelle Bernard	Ongoing`				



## Project Version Summary

<b>Project #</b>	ITC-003-07	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Technology Infrastructure
<b>Title</b>	Information Technology Network Infrastructure Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	
<p>This project is critical to the Corporation's Information Technology (I.T.) Infrastructure. It allows Information Technology (I.T.) to make required improvements to the network and server infrastructure and to maintain expected levels of productivity and security, ensuring information availability to City employees and the public. The budget cuts to date severely impact Information Technology's (I.T.) ability to implement new technologies. As such, planned upgrades to the City wide connectivity will be delayed. These affect productivity, the ability to backup data, and implement new applications and services as well as required phone system upgrades and deployment of centralized administration for security cameras. Newer technologies require faster networks and until the network is upgraded we cannot move forward with these other initiatives. This will result in an infrastructure deficit that could reduce levels of availability and have a significant impact on customer service.</p>	
<b>Version Description</b>	
<p>Ongoing maintenance of existing systems and deployment of new technologies is critical to maintaining expected levels of service.</p> <p>2023: Continue to expand Wi-Fi deployment. Expand the controllers and core equipment to support more WiFi Access Points. Management tools are now required for greater visibility and control of the network. Continue with installation of a fibre optic network in coordination with Public Works to improve connectivity to remote sites (currently able to add 1 or 2 sites per year). Increase connectivity in the network core with 10GB switching. Expand our Virtual server and upgrade our Virtual Desktop environment. Investigate and improve SDWAN solutions for remote sites.</p> <p>2024+: Implementation of worldwide adoption of IVP6. Deployment of technologies like encryption, load balancing and intrusion prevention and detection. The replacement of the WLANs (wireless local area networks) and SDWAN (remote sites) may require a large portion of these funds in later years if the PAYG reserve fund cannot adequately cover the replacement costs. Systematic upgrade and replacement of legacy systems to take advantage of new technology for improved performance and security.</p>	
<b>Project Comments/Reference</b>	<b>Version Comments</b>
7059903	

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
2951	INTERNAL Service Salary Allocn	120,000	120,000	120,000	120,000	120,000	100,000	100,000	100,000	100,000	100,000	1,100,000
5411	Construction Contracts-Non TCA	80,000	80,000	80,000	80,000	80,000	100,000	100,000	100,000	170,000	150,000	1,020,000
Total		200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	270,000	250,000	2,120,000
<b>Revenues</b>												
160	Capital Expenditure Reserve	0	80,000	80,000	80,000	80,000	0	0	0	0	0	320,000
169	Pay As You Go - Capital Reserve	80,000	0	0	0	0	100,000	100,000	100,000	170,000	150,000	700,000
221	Service Sustainability Investm	120,000	120,000	120,000	120,000	120,000	100,000	100,000	100,000	100,000	100,000	1,100,000
Total		200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	270,000	250,000	2,120,000

Related Projects		Historical Approved Budget				Operating Budget Impact						
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE	Impact	
					Total Expense	Net City Cost						Subsidies
					2009	200,000	200,000	0				
					2010	200,000	200,000	0				
					2011	200,000	200,000	0				
					2012	200,000	200,000	0				
					2013	185,000	185,000	0				
					2014	215,000	215,000	0				
					2015	215,000	215,000	0				
					2017	100,000	100,000	0				
					2018	200,000	200,000	0				
					2019	200,000	200,000	0				
					2020	230,000	230,000	0				
					2021	250,000	250,000	0				
					2022	200,000	200,000	0				
					Providing these funds for better IT infrastructure provides for staff efficiencies and improved services to the public, while helping keep our informational assets more secure. Cutting this budget would cause more system maintenance and down time resulting in lost productivity or service to the public. Planned operational efficiencies would be delayed or not realized resulting in higher operational budget costs.							
2007	January 1, 2007	Growth: 40.0 % Maintenance: 60.0 %	Chantelle Bernard	Ongoing`								



## Project Version Summary

<b>Project #</b>	ITC-005-07	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Technology Infrastructure
<b>Title</b>	Corporate Data & Network Security Initiatives		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

The security framework methodology implemented through this project is now being used during the implementation of new Information Technology (I.T.) projects and during change management processes to existing applications and services. Ongoing funding is required to ensure new and existing security measures are in place to meet the City's security needs. Without additional funding we limit the ability to conduct thorough assessments and that would leave us deficient in areas where security gaps are identified. This exposes us to increased security breaches, or lacking in the appropriate procedures for new technology implementations, resulting in liability, embarrassment, data loss and unavailable systems.

IT security can fall into two broad categories - safeguarding data and protecting systems. As a government organization, the City of Windsor maintains both public and confidential data related to its operations, residents, businesses, and staff, in addition to developing and maintaining hundreds of systems that are critical to the operations of City government and the wellbeing of City residents, business and visitors. There are two factors that have increased the vulnerability level of data and systems, not only at the City of Windsor, but within all organizations:

1. Threat Proliferation: World-wide cyber-attacks against individuals, businesses and government organizations continue to grow. There is a common understanding in the IT and cyber security fields that these threats will continue to grow at an exponential rate. The motivation for cyber-attacks can be, financial gain, obtaining confidential information, disrupting operations, jeopardizing public safety, or simply causing embarrassment for the targeted organizations and individuals.
  2. Network Proliferation: Also growing at an unprecedented rate is the size and complexity of the corporate network, which significantly increases the City's security risk exposure. The City's network was once limited to computers, printers and servers. With the rapid growth of the "Internet of Things", cloud services, and mobility, what is now connected to the network was unimaginable a few years ago, and the number connections to the network in the coming years will be limitless.
- While the IT Department has increased security staffing and manages security through shared responsibilities, we require funds for security tools and educational programs to give staff the means to enhance our security profile and reduce the risk of a security incident.

### Version Description

Implementation of risk mitigation strategies as prioritized through the Security Framework Methodology will be conducted from 2020 through 2027 and beyond.

2023: Continue to remediate vulnerabilities identified in annual security audits and assessments. Introduce Managed Security Service Provider technologies. Work with Managed Security Service Provider to improve Cyber breach response plans. Improve Information Privacy and Data loss through mobile media. Continue to strengthen remote access authentication to help mitigate a potential breach. Continue to provide security training for IT staff and awareness training for all staff around digital security. Increase network monitoring and visibility with state of the art software and security services. Increase the amount archival system event logging for better investigative and auditing. Continue to monitor threat landscape and develop remediation strategies for Cyber Security incidents.

2024+: Further fund improving cyber security around new and changing technologies, specifically cloud services and IoT (Internet of Things) deployment.

### Project Comments/Reference

7059901

### Version Comments

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5411	Construction Contracts-Non TCA	300,000	300,000	100,000	100,000	100,000	100,000	100,000	100,000	230,000	230,000	1,660,000
Total		300,000	300,000	100,000	100,000	100,000	100,000	100,000	100,000	230,000	230,000	1,660,000
<b>Revenues</b>												
160	Capital Expenditure Reserve	0	0	0	0	0	0	0	0	0	0	0
169	Pay As You Go - Capital Reserve	150,000	150,000	50,000	50,000	50,000	50,000	50,000	50,000	180,000	180,000	960,000
221	Service Sustainability Investm	150,000	150,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	700,000
Total		300,000	300,000	100,000	100,000	100,000	100,000	100,000	100,000	230,000	230,000	1,660,000

Related Projects		Historical Approved Budget				Operating Budget Impact					
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact	
					Total Expense	Net City Cost					Subsidies
					2008	50,000	50,000	0			
					2009	50,000	50,000	0			
					2010	50,000	50,000	0			
					2011	50,000	50,000	0			
					2012	100,000	100,000	0			
					2014	175,000	175,000	0			
					2015	175,000	175,000	0			
					2016	60,000	60,000	0			
					2017	100,000	100,000	0			
					2018	100,000	100,000	0			
					2019	319,000	319,000	0			
					2020	329,000	329,000	0			
					2021	176,000	176,000	0			
					2022	300,000	300,000	0			
					Not funding this project increases the probability of a security breach or embarrassment that could increase operational costs						



# Project Version Summary

<b>Project #</b>	ITC-006-07	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Technology Infrastructure
<b>Title</b>	Information Technology Disaster Recovery Initiatives		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 Capital funding is required for expansion and upkeep of the current data centre as technology changes and the corporate data and Information requirements continue to grow. In order to reduce the impact to Information Technology (I.T.) operations in the event of a major disaster involving the Data Centre, Information Technology (I.T.) will replicate a portion of the facility to an offsite or cloud location. This capital budget is used to reduce the risk of a data loss or service interruptions due to system failures, security breach or other disastrous event.

**Version Description**  
 2023: Explore options with Windsor Police Service utilized some of their upgraded Jefferson facility.  
 2024+: Continue to scale-out and improve as our environment grows. Continue to utilize cloud services for faster and more cost effective recovery of critical systems in the event of system failures or a disastrous event.

Project Comments/Reference	Version Comments
7074016	

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5411	Construction Contracts-Non TCA	100,000	75,000	100,000	100,000	100,000	150,000	150,000	150,000	300,000	300,000	1,525,000
	Total	100,000	75,000	100,000	100,000	100,000	150,000	150,000	150,000	300,000	300,000	1,525,000
<b>Revenues</b>												
160	Capital Expenditure Reserve	50,000	25,000	50,000	50,000	50,000	75,000	75,000	75,000	0	0	450,000
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	200,000	200,000	400,000
221	Service Sustainability Investm	50,000	50,000	50,000	50,000	50,000	75,000	75,000	75,000	100,000	100,000	675,000
	Total	100,000	75,000	100,000	100,000	100,000	150,000	150,000	150,000	300,000	300,000	1,525,000



Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2007	75,000	75,000	0				
		2008	150,000	150,000	0				
		2009	175,000	175,000	0				
		2010	175,000	175,000	0				
		2012	75,000	75,000	0				
		2013	150,000	150,000	0				
		2015	100,000	100,000	0				
		2017	100,000	100,000	0				
		2018	150,000	150,000	0				
		2019	150,000	150,000	0				
		2020	100,000	100,000	0				
		2021	100,000	100,000	0				
		2022	100,000	100,000	0				
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>		<b>Est. Completion Date</b>			
2007	January 1, 2010	Growth: 50.0 % Maintenance: 50.0 %		Chantelle Bernard		Ongoing`			



# Project Version Summary

<b>Project #</b>	ITC-012-07	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Technology Infrastructure
<b>Title</b>	Corporate Communications Technology		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

Many of our corporate phone systems are out of date and need major upgrades or replacements and we have had some significant outages as a result. Phone system outages have a direct impact on customer service and basic service delivery. This funding will also be used to investigate some of the new features available that could improve overall efficiency of our operations to determine which ones have the greatest potential to provide positive impact to service.

**Version Description**

2023: Upgrade older systems (Arenas and Community Centres). Continue deployment of Unified Communications technologies on the new platform for mobile workers. Investigate E911 solution for our distributed VoIP system.

2024+: Systematic replacement of older systems taking advantage of our improved I.T. infrastructure to reduce telecom carrier costs and improve service and reliability. Continue with solution for mobile workers including video conferencing and E911 compliance. Evaluate newer cloud communication services.

Project Comments/Reference	Version Comments
7032178	

Project Detailed Forecast											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	50,000	50,000	50,000	50,000	100,000	100,000	100,000	100,000	300,000	900,000
Total	0	50,000	50,000	50,000	50,000	100,000	100,000	100,000	100,000	300,000	900,000
<b>Revenues</b>											
160 Capital Expenditure Reserve	0	0	0	0	0	0	0	0	0	0	0
169 Pay As You Go - Capital Reserve	0	0	0	0	0	50,000	50,000	50,000	50,000	250,000	450,000
221 Service Sustainability Investm	0	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	450,000
Total	0	50,000	50,000	50,000	50,000	100,000	100,000	100,000	100,000	300,000	900,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2007	100,000	100,000	0				
		2008	100,000	100,000	0				
		2009	100,000	100,000	0				
		2010	250,000	250,000	0				
		2011	100,000	100,000	0				
		2012	100,000	100,000	0				
		2015	200,000	200,000	0				
		2016	200,000	200,000	0				
		2017	200,000	200,000	0				
		2018	200,000	200,000	0				
		2019	150,000	150,000	0				
		2020	200,000	200,000	0				
		2021	200,000	200,000	0				
		2022	300,000	300,000	0				
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2007	January 1, 2010	Growth: 0.0 % Maintenance: 0.0 %		Chantelle Bernard	Ongoing`				



# Project Version Summary

<b>Project #</b>	PBG-001-14	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Planning & Development
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Planning
<b>Title</b>	Alley Closing Subsidy Pilot Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	B26/2019 - C 39/2019 - 2021 Capital Budget includes \$40,000 starting in 2022 for Regular Alley Closing Program										
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<b>Version Description</b>											
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<b>Project Comments/Reference</b>	7145002			<b>Version Comments</b>							
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<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	0	0	320,000
Total	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	0	0	320,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	0	0	320,000
Total	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	0	0	320,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>		
		<b>Revenue</b>					
	<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>			
	2018	790,000	790,000	0			
	2022	40,000	40,000	0			

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2014	January 2, 2014	Growth: 100.0 % Maintenance: 0.0 %	Neil Robertson	Ongoing`
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# Project Version Summary

<b>Project #</b>	PBG-001-18	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Planning & Development
<b>Asset Type</b>	Unassigned	<b>Division</b>	Policy & Design
<b>Title</b>	Official Plan Review		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

Funding will be required to conduct the next review of the city's Official Plan. The review is a requirement of the Ontario Planning Act and provides the opportunity for a comprehensive updating of the plans policies and schedules. The review is prescribed to ensure consistency with the Provincial Policy Statement and to also recognize local economic conditions and land use requirements.

As part of this process, the OP will be reviewed through a climate change lens and climate change adaptation and mitigation considerations will be included.

**Version Description**

The Official Plan Review is a mandatory review that is conducted every 5 years. The next review is slated for 2022, 2027 and 2032.

Project Comments/Reference	Version Comments

Project Detailed Forecast											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
2950 Other Prof Services-External	0	0	0	550,000	0	0	0	300,000	200,000	0	1,050,000
Total	0	0	0	550,000	0	0	0	300,000	200,000	0	1,050,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	550,000	0	0	0	300,000	200,000	0	1,050,000
Total	0	0	0	550,000	0	0	0	300,000	200,000	0	1,050,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2018	January 1, 2024	Growth: 0.0 % Maintenance: 0.0 %	Michael Cooke	2024+



# Project Version Summary

<b>Project #</b>	PBG-002-18	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Planning & Development
<b>Asset Type</b>	Unassigned	<b>Division</b>	Policy & Design
<b>Title</b>	Comprehensive Zoning B-Law		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

The Official Plan provides guidance for the physical development of the City of Windsor over a 20-year period. The policies of the plan are intended to ensure that efficient land use and development patterns support sustainability by promoting strong, liveable, healthy and resilient communities, protecting the environment and public health and safety, and facilitating economic growth. Under the provisions of the Planning Act, official plans are required to be reviewed at least once every ten years. This review ensures the plan remains relevant to the changing circumstances within Windsor and to current provincial legislation and policy. It is proposed that this review will be consultant led.

As part of this process, the zoning by-law will be reviewed through a climate change lens and climate change adaptation and mitigation considerations will be included.

**Version Description**

Comprehensive Zoning By-Law

Project Comments/Reference	Version Comments
7092002	

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
2950	Other Prof Services-External	0	0	0	0	0	0	350,000	100,000	0	0	450,000
	Total	0	0	0	0	0	0	350,000	100,000	0	0	450,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	350,000	100,000	0	0	450,000
	Total	0	0	0	0	0	0	350,000	100,000	0	0	450,000



Related Projects		Historical Approved Budget			Operating Budget Impact	
			<u>Revenue</u>			
		<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	
		2022	250,000	250,000	0	
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date		
2018	January 1, 2022	Growth: 0.0 % Maintenance: 0.0 %	Neil Robertson	Ongoing`		



# Project Version Summary

<b>Project #</b>	PLN-007-07	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Planning & Development
<b>Asset Type</b>	Unassigned	<b>Division</b>	Policy & Design
<b>Title</b>	Growth Management Plan Review and Implementation		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>
In accordance with the Environmental Master Plan , Corporate Climate Action Plan and the Windsor Community Energy Plan , City Planning staff will lead a multi-departmental/agency process to produce this plan integrating land use, services, active transportation and open space.  The plan will include strategies to increase sustainability by facilitating developments with a high environmental benefit with examples that include reducing the negative effects of climate change

<b>Version Description</b>

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7191013	

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	0	0	0	0	100,000	0	200,000	0	300,000
Total	0	0	0	0	0	0	100,000	0	200,000	0	300,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	100,000	0	200,000	0	300,000
Total	0	0	0	0	0	0	100,000	0	200,000	0	300,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2019	100,000	100,000	0			0	0
					No Operating Budget Impact				
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2007	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %		Michael Cooke	2024+				



# Project Version Summary

<b>Project #</b>	PLN-008-07	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Planning & Development
<b>Asset Type</b>	Unassigned	<b>Division</b>	Policy & Design
<b>Title</b>	Natural Areas Valuation Study		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

## Project Description

As part of implementing the Green Windsor strategy of the Environmental Master Plan and Official Plan, an inter-departmental team will commission a report to complete a valuation of the City of Windsor’s public and private natural areas. This valuation is an important step to further natural areas asset management. Our trees and natural areas provide environmental services such as carbon sequestration, flood attenuation, biodiversity enhancements and recreational opportunities. These services can now be valued financially to show their immense benefit. This project will advocate for the protection, enhancement and increased connectivity of our Natural Heritage System.

## Version Description

As part of implementing the Green Windsor strategy of the Environmental Master Plan and Official Plan, an inter-departmental team will commission a report to complete a valuation of the City of Windsor’s public and private natural areas. This valuation is an important step to further natural areas asset management. Our trees and natural areas provide environmental services such as carbon sequestration, flood attenuation, biodiversity enhancements and recreational opportunities. These services can now be valued financially to show their immense benefit. This project will advocate for the protection, enhancement and increased connectivity of our Natural Heritage System.

## Project Comments/Reference

7191014

## Version Comments

## Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	0	100,000	0	0	0	0	0	0	100,000
Total	0	0	0	100,000	0	0	0	0	0	0	100,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	100,000	0	0	0	0	0	0	100,000
Total	0	0	0	100,000	0	0	0	0	0	0	100,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2019	80,000	80,000	0	No Operating Budget Impact			
Year Identified	Start Date	Project Type for 2023		Project Lead		Est. Completion Date			
2007	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %		Michael Cooke		TBD`			



# Project Version Summary

<b>Project #</b>	PLN-010-07	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Planning & Development
<b>Asset Type</b>	Unassigned	<b>Division</b>	Policy & Design
<b>Title</b>	Heritage Preservation Study and Identification of Incentives		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 Planning staff will work with a consultant in the preparation of a study that analyzes best practices/opportunities/implications and recommends how the City can best assist the owners of properties designated under the Ontario Heritage Act to preserve them, followed by a forecast for funding any incentives approved by City Council. The study will also evaluate options regarding the reuse of vacant and/or underutilized heritage properties.

**Version Description**  
 The Walkerville area contains approximately 37% of all properties on the Windsor Municipal Heritage Register. City Council has approved in principle the commencement of the Walkerville heritage study.

Project Comments/Reference	Version Comments
7141014	

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
2950 Other Prof Services-External	0	0	0	0	0	0	0	0	159,000	0	159,000
Total	0	0	0	0	0	0	0	0	159,000	0	159,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	159,000	0	159,000
Total	0	0	0	0	0	0	0	0	159,000	0	159,000

Related Projects	Historical Approved Budget				Operating Budget Impact		
			<b>Revenue</b>		<b>Effective Date</b> Unknown		<b>Exp/(Rev) FTE Impact</b>
	<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<b>Description</b>		0 0
	2014	50,000	0	50,000	No Operating Budget Impact		
	2021	435,000	435,000	0			

Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
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2007	January 1, 2021	Growth: 0.0 % Maintenance: 0.0 %	Michael Cooke	TBD`
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# Project Version Summary

<b>Project #</b>	ECB-042-18	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Planning & Development
<b>Asset Type</b>	Unassigned	<b>Division</b>	Urban Design
<b>Title</b>	Theme Districting		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

## Project Description

On Tues. Jan. 16th, 2018, City Council approved the 2018 Enhanced Capital Budget Plan for a number of specific projects in the form of placeholder allocations subject to detailed reports to be prepared for Council's consideration.

## Version Description

Phase 1 - theme districting is intended to re-shape the public realm at key destination points in the City in order to maximize shared community values. Theme districting will pay particular attention to the physical, cultural and social identities that define a place and support its ongoing evolution. The phased project will identify the different districts within the City and provide physical improvements and theme elements that will make the area a more enjoyable place to live, work or visit thereby creating a destination environment that is inviting and authentic. Theme districting will include significant consultations with the surrounding neighbourhoods and area merchants as to capitalize on local ideas, inspirations and potential that will result in the creation of unique public realm spaces. The first phase will involve theming surrounding the Walkerville Distillery District. Public consultations were initiated in the Spring of 2018 for determination as to which elements shall be included with implementation to follow - \$1,405,000.

Phase 2 - Proceeding with further theming in the remaining districts. At this time, prioritization of theming installation for districts has not been defined. Public consultations for the next theme district will be initiated in late 2018 for determination as to which elements shall be included with implementation to follow - \$3,595,000.

## Project Comments/Reference

7186001- Theme Districting  
7211016- Hiram Walker Parkette

## Version Comments

COMMITMENT:  
CR330/2022 C 88/2022: (Committed Placeholder Funding) \$250K 2021 F169, \$3,595,000 2023 F169  
PLACEHOLDER:  
B56/2017 C 217/2016: 2021 F169 \$250,000  
B73/2018 C 202/2018: 2023 F169 \$3,595,000

## Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	3,595,000	0	0	0	0	0	0	0	0	2,130,000	5,725,000
Total	3,595,000	0	0	0	0	0	0	0	0	2,130,000	5,725,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	2,130,000	2,130,000
169CF Committed Funding	3,595,000	0	0	0	0	0	0	0	0	0	3,595,000
Total	3,595,000	0	0	0	0	0	0	0	0	2,130,000	5,725,000



Related Projects		Historical Approved Budget			Operating Budget Impact
			<b>Revenue</b>		
		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>
		2019	175,000	175,000	0
		2020	234,000	234,000	0
		2021	946,000	946,000	0
		2022	300,000	300,000	0
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date	
2018	March 1, 2018	Growth: 100.0 % Maintenance: 0.0 %	Neil Robertson	TBD`	



# Project Version Summary

<b>Project #</b>	PBG-001-21	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Planning & Development
<b>Asset Type</b>	Unassigned	<b>Division</b>	Urban Design
<b>Title</b>	Affordable Housing Community Improvement Plan Incentives		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 This funding is for the financial incentive programs that will be developed as part of the Affordable Housing CIP.

**Version Description**  
 On August 24, 2020, Council directed staff to begin the process for the creation of an Affordable Housing Community Improvement Plan (CR425/2020 DHSC 179). The Affordable Housing Community Improvement Plan (CIP) was directed in response to a Council Question and was not part of the departmental work plan. The creation of the CIP will be funded from an existing fund for development of such plans.  
 Based on high-level estimates, this will cost approximately a total of \$900,000. This amount is based on an average of \$3,000 per unit in incentives with a target of 300 units over 10 years. Implementation will be undertaken on a priority basis as funding and resources allow.

<b>Project Comments/Reference</b>	<b>Version Comments</b>

<b>Project Detailed Forecast</b>		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	0	0	0	0	0	0	250,000	0	0	150,000	400,000
	Total	0	0	0	0	0	0	250,000	0	0	150,000	400,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	250,000	0	0	150,000	400,000
	Total	0	0	0	0	0	0	250,000	0	0	150,000	400,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2021		Growth: 0.0 % Maintenance: 0.0 %	Neil Robertson	TBD`



# Project Version Summary

<b>Project #</b>	PBG-002-21	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Planning & Development
<b>Asset Type</b>	Unassigned	<b>Division</b>	Urban Design
<b>Title</b>	University Avenue West/Wyandotte St West CIP Incentives		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>	Ward 2, Ward 3		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 On November 18, 2019, Council directed staff to begin the process for the creation of a Community Improvement Plan (CIP) for the University Ave./Wyandotte St W. corridors (CR561/2019). The University Ave./Wyandotte St W. Community Improvement Plan (CIP) was directed in response to a Council Question and was not part of the departmental work plan. The creation the CIP will be funded from an existing fund for development of such plans.

**Version Description**  
 This funding request is for the financial incentive programs that will be developed as part of the CIP. Based on high-level estimates, this will cost approximately a total of \$550,000. This amount is based on an average of \$50,000 for medium size development project (7 projects) + \$60,000 for facades (10 @\$20,000). Implementation will be undertaken on a priority basis as funding and resources allow.

<b>Project Comments/Reference</b>	<b>Version Comments</b>

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	0	0	0	0	100,000	0	0	150,000	250,000
Total	0	0	0	0	0	0	100,000	0	0	150,000	250,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	100,000	0	0	150,000	250,000
Total	0	0	0	0	0	0	100,000	0	0	150,000	250,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>	<b>Operating Budget Impact</b>

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2021		Growth: 0.0 % Maintenance: 0.0 %	Neil Robertson	TBD`
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# Project Version Summary

<b>Project #</b>	PBG-003-21	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Planning & Development
<b>Asset Type</b>	Unassigned	<b>Division</b>	Urban Design
<b>Title</b>	Ford City CIP		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>	Ward 5		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	Provides funding for the Ford City District CIP incentive programs.
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<b>Version Description</b>	<p>Since 2019, Council has approved eight (8) applications for financial incentives in Ford City. There are currently six (6) pending grant applications that will draw from the current balance of \$148,305.</p> <p>This funding request is to replenish the existing financial incentive programs that are offered by the CIP.</p> <p>The Ford City Community Improvement Plan was approved in 2018 (CR625/2018), at which time Council transferred \$250,000 from the Brownfield Redevelopment Strategy and CIP account for the purposes of providing initial funding for the Ford City CIP financial incentive programs.</p>
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
7181046	

<b>Project Detailed Forecast</b>		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5410	Construction Contracts - TCA	0	0	0	0	0	0	100,000	0	0	50,000	150,000
	Total	0	0	0	0	0	0	100,000	0	0	50,000	150,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	100,000	0	0	50,000	150,000
	Total	0	0	0	0	0	0	100,000	0	0	50,000	150,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2021		Growth: 0.0 % Maintenance: 0.0 %	Neil Robertson	TBD`



# Project Version Summary

<b>Project #</b>	PBG-004-21	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Planning & Development
<b>Asset Type</b>	Unassigned	<b>Division</b>	Urban Design
<b>Title</b>	Sandwich Community Development Plan		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>	Ward 2		
<b>Version Name</b>	Main (Active)		

## Project Description

The Sandwich CIP was adopted by City Council on January 26, 2009 with the financial incentive programs being made available on June 17, 2013. Since then, fifteen (15) Economic Incentive Applications have been approved by City Council, with nine of these coming since 2019.

Additional, Council directed an update for the Sandwich CIP as a result of the CQ28-2018 response (CR504/2019). Two things were highlighted in that report: 1) that there will likely be additional financial incentive programs developed; and, 2) that based on the most recent trend in new applications, it is likely the Planning Department will need to request additional funds as part of subsequent budgets.

## Version Description

This funding request is to replenish the existing financial incentive programs that are offered by the CIP.

## Project Comments/Reference

7076176

## Version Comments

## Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	0	0	0	0	100,000	0	0	100,000	200,000
Total	0	0	0	0	0	0	100,000	0	0	100,000	200,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	100,000	0	0	100,000	200,000
Total	0	0	0	0	0	0	100,000	0	0	100,000	200,000



Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2021		Growth: 0.0 % Maintenance: 0.0 %	Neil Robertson	TBD`



# Project Version Summary

<b>Project #</b>	PLN-001-23	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Planning & Development
<b>Asset Type</b>		<b>Division</b>	Urban Design
<b>Title</b>	Building Façade and Main St. CIP		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>	Ward 4, Ward 5, Ward 6, Ward 8		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 Council adopted the Building Facade and Main Street (CIP) in July 2019 and started using Reserve fund 156 to keep track of their funding and grants paid out under the program . The CIP helped ensure that standards are current to guide future growth and development. The CIP also includes financial incentive programs that are funded by this account, along with the implementation of other recommendations made in the plan. On February 22, 2021 a capital project was created to replace the function of Fund 156.

**Version Description**

<b>Project Comments/Reference</b>	<b>Version Comments</b>
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<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	0	0	0	0	0	0	0	100,000	100,000
Total	0	0	0	0	0	0	0	0	0	100,000	100,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	100,000	100,000
Total	0	0	0	0	0	0	0	0	0	100,000	100,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>	<b>Operating Budget Impact</b>
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<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2023		Growth: 0.0 % Maintenance: 0.0 %	Neil Robertson	TBD`



# Project Version Summary

<b>Project #</b>	PLN-005-07	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Planning & Development
<b>Asset Type</b>	Unassigned	<b>Division</b>	Urban Design
<b>Title</b>	Planning & Building E-Plan & E-Permit Review and Implementation		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

Implement an e-plan and e-permit Customer Resource Management System for plan submission, review and approval processes for Planning and Building Services. The implementation of these processes is consistent with and supports many of the recommendations contained in the Planning Business Process Review and specifically the Business Process Improvements related to improved customer service and communication which can be supported by technological change.

**Version Description**

In 2018, City Council approved a contract with Evolta Canada Inc. for implementation of an e-permitting solution to coincide with the opening of the “One Stop” Service desk in the new City Hall. Implementation commenced in August 2018 to handle Site Plan Control applications and Building Permit applications, the two largest volume activity areas to benefit from the software solution. Then Planning and Building will gradually implement other types of applications received by the Department that are value added over the interim.

A comprehensive solution is being delivered for e-permitting including Plan Submission, Permitting, Plan Review, Inspection, and Transaction Software. Conduct a trial (i.e. proof of concept & pilot project) of the proposed solution with the Site Plan Control staff and Building Permits staff. A pre-commitment against the funds for years 2019 to 2020 was approved.

Project Comments/Reference	Version Comments
7171028	

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5410	Construction Contracts - TCA	0	28,140	0	0	0	0	0	0	0	0	28,140
	Total	0	28,140	0	0	0	0	0	0	0	0	28,140
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	28,140	0	0	0	0	0	0	0	0	28,140
	Total	0	28,140	0	0	0	0	0	0	0	0	28,140

Related Projects		Historical Approved Budget			Operating Budget Impact	
			<b>Revenue</b>			
		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	
		2017	88,000	88,000	0	
		2018	210,000	210,000	0	
		2019	323,000	323,000	0	
		2020	1,717,000	1,717,000	0	
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date	
2007	January 1, 2017	Growth: 0.0 % Maintenance: 0.0 %		John Revell/Neil Robertson	TBD`	



# Project Version Summary

<b>Project #</b>	PLN-011-07	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Planning & Development
<b>Asset Type</b>	Unassigned	<b>Division</b>	Urban Design
<b>Title</b>	City-wide Brownfields Redevelopment		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

In April 2010, Council adopted a Brownfield Redevelopment Strategy and a city-wide Brownfield Redevelopment Community Improvement Plan (CIP). The Strategy documents the rationale for Brownfield redevelopment and provides details of the incentive programs and marketing strategy. The primary purpose of the CIP is to allow the municipality to provide a range of financial incentives for Brownfield redevelopment. Much of the current budget surplus is designated for future incentives to property owners/developers.

**Version Description**

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7069003	

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
2950 Other Prof Services-External	0	0	0	0	0	0	0	0	0	70,000	70,000
Total	0	0	0	0	0	0	0	0	0	70,000	70,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	70,000	70,000
Total	0	0	0	0	0	0	0	0	0	70,000	70,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>
	<b>Year</b>	<b>Total Expense</b>	<b>Revenue</b>		
			<b>Net City Cost</b>	<b>Subsidies</b>	
	2007	108,000	108,000	0	
	2008	80,000	80,000	0	
	2009	250,000	250,000	0	
	2010	250,000	250,000	0	
	2011	250,000	250,000	0	
	2012	250,000	250,000	0	

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2007	April 1, 2011	Growth: 0.0 % Maintenance: 0.0 %	Michael Cooke	Ongoing`



# Project Version Summary

<b>Project #</b>	PLN-012-07	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Planning & Development
<b>Asset Type</b>	Unassigned	<b>Division</b>	Urban Design
<b>Title</b>	City Centre Community Development Plan		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>	Ward 3		
<b>Version Name</b>	Main (Active)		

**Project Description**

The program's aim is to maximize a positive investment climate for diverse land uses downtown. The project developed and will implement the recommendations included the Downtown Windsor Community Improvement Plan. The Community Improvement Plan offers financial incentives to encourage private sector investment.

**Version Description**

On October 16, 2017, Council adopted the Downtown Windsor Enhancement Strategy and Community Improvement Plan (Downtown CIP). The financial incentives included in the CIP have been available for 3 years come November 14, 2020. There have been twenty (20) financial incentive applications approved under the CIP, with 17 of them accessing the original \$724,000 that was budgeted or transferred in from council approved sources and made available to fund the incentive programs. Three additional applications took advantage of the tax increment funding program exclusively.

Additionally, Council approved a new program offered under the Downtown CIP on July 13, 2020 (CR346/2020 DHSC 170). The new program will be modelled after the residential grant program included in the Ford City CIP.

This current funding request is to replenish the existing financial incentive programs offered by the CIP.

Further future funding requests may be tabled as well as a program continuation review should the existing balance dwindle.

Project Comments/Reference	Version Comments
7011022	

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	0	0	0	500,000	0	0	415,000	250,000	0	0	1,165,000
	Total	0	0	0	500,000	0	0	415,000	250,000	0	0	1,165,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	415,000	250,000	0	0	665,000
221	Service Sustainability Investm	0	0	0	500,000	0	0	0	0	0	0	500,000
	Total	0	0	0	500,000	0	0	415,000	250,000	0	0	1,165,000



Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2009	280,000	280,000	0				
		2010	200,000	200,000	0				
					No Operating Budget Impact				
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2007	January 1, 2024	Growth: 0.0 % Maintenance: 0.0 %		Neil Robertson	TBD`				



# Project Version Summary

<b>Project #</b>	PLN-018-07	<b>Service Area</b>	Economic Development & Innovation
<b>Budget Year</b>	2023	<b>Department</b>	Planning & Development
<b>Asset Type</b>	Unassigned	<b>Division</b>	Urban Design
<b>Title</b>	Neighbourhood Studies and Design Guidelines		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

Funds to be used to study and implement design standards and physical features/amenities that contribute to a higher quality of life in local neighbourhoods and to address some of the more pressing planning/development related challenges facing Windsor. Past funding has been used to complete the production of Riverside Drive Vista Improvement Streetscape guidelines per CR364/2009 and the Ford City Community Improvement Plan. Complementary to the Site Plan Review Manual, the preparation of development guidelines for different areas of the City began in 2015.

**Version Description**

Current and future funds will be used for the following projects:

- 1) Business Improvement Areas Community Improvement Plan;
- 2) The University Ave/Wyandotte St W. Community Improvement Plan;
- 3) Prepare Design Guidelines for Infill Development;
- 4) Comprehensive Sign Bylaw Review;
- 5) Prepare Community Improvement Plans for targeted neighbourhoods;
- 6) Develop & adopt Design Guidelines & Standards for Civic Ways & Theme Streets;
- 7) Develop City of Windsor Urban Design Manual; and
- 8) Prepare targeted area Design Guidelines.

Additional funding is being requested to ensure that the fund has enough to address the unanticipated planning studies/projects that often come about as new issues and challenges arise. The Affordable Housing and University Ave/Wyandotte St W. CIPs are a couple of examples that Council has prioritized in the past couple of years. This fund is the funding source for the development of the CIPs.

Project Comments/Reference	Version Comments
7045003	

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
2950	Other Prof Services- External	0	0	0	0	0	0	0	0	250,000	0	250,000
	Total	0	0	0	0	0	0	0	0	250,000	0	250,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	250,000	0	250,000
	Total	0	0	0	0	0	0	0	0	250,000	0	250,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2007	85,000	85,000	0				
		2014	130,000	130,000	0				
		2019	100,000	100,000	0				
		2020	100,000	100,000	0				
		2021	25,000	25,000	0				
					No Operating budget Impact				
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2007	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %	Neil Robertson		TBD`				

# **2023 Approved Capital Budget**



## **Capital Project Summaries**

**Office of the Commissioner of Legal & Legislative Services**



# Project Version Summary

<b>Project #</b>	ECB-039-18	<b>Service Area</b>	Legal & Legislative Services
<b>Budget Year</b>	2023	<b>Department</b>	Council Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration Council Services
<b>Title</b>	Ward Funds		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	This amount is set aside by Council and will be self-approved by City Council.										
----------------------------	--	--	--	--	--	--	--	--	--	--	--

<b>Version Description</b>											
----------------------------	--	--	--	--	--	--	--	--	--	--	--

<b>Project Comments/Reference</b>	<b>Version Comments</b>										
7165003	COMMITMENT: CR4/2019 - C 217/2018: 2023 F169 \$500,000 B30/2019 - C 53/2019: 2023 F169 \$1,100,000										

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	1,600,000	0	0	0	1,100,000	0	0	0	0	0	2,700,000
Total	1,600,000	0	0	0	1,100,000	0	0	0	0	0	2,700,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
169CF Committed Funding	1,600,000	0	0	0	1,100,000	0	0	0	0	0	2,700,000
Total	1,600,000	0	0	0	1,100,000	0	0	0	0	0	2,700,000

Related Projects		Historical Approved Budget			Operating Budget Impact										
			<table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">Total Expense</th> <th colspan="2">Revenue</th> </tr> <tr> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr> <td>2019</td> <td>500,000</td> <td>500,000</td> <td>0</td> </tr> </tbody> </table>		Year	Total Expense	Revenue		Net City Cost	Subsidies	2019	500,000	500,000	0	
Year	Total Expense	Revenue													
		Net City Cost	Subsidies												
2019	500,000	500,000	0												
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date											
2018	March 1, 2018	Growth: 100.0 % Maintenance: 0.0 %	Alexandra Taylor	TBD`											



# Project Version Summary

<b>Project #</b>	FRS-001-19	<b>Service Area</b>	Legal & Legislative Services
<b>Budget Year</b>	2023	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Operations
<b>Title</b>	Water Rescue Equipment - Fire & Rescue Division		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 Within the city of Windsor there is 43.7 kilometers of shoreline of the Detroit River, 12.4 kilometers of shoreline of the Little River, and 8.8 kilometers of the Grand Marais Drain. Additional risks include 50 + acres made up of 6 major bodies of water including Southwood lakes and Blue Heron to name a few.

**Version Description**  
 Windsor Fire & Rescue implemented Water Rescue services in 2020 as a result of rising lake levels and yearly increase in rain induced flooding. The capabilities to assist and rescue vulnerable occupants requiring assistance from flooding is now in place. Further to flood response, WFRS is identifying procurement of necessary equipment to take the opportunity and expand the program to include the inland water and ice rescue. Most equipment for this program has a lifecycle of 10 years and will require replacement starting in 2030. This will ensure equipment is up to date with the technology advancements as well as the new Health and Safety requirements as they continually evolve.

Project Comments/Reference	Version Comments
Windsor Fire & Rescue 2018-2023 Strategic plan, revealed that external community stakeholders expressed an area of concern that may be a weakness within current delivery system. In priority order #7 on the list, was lack of water and ice rescue service given the proximity to waterways.  7201019	

Project Detailed Forecast											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5111 Machinery & Equipment -Non TCA	0	0	0	0	0	0	0	130,000	0	0	130,000
Total	0	0	0	0	0	0	0	130,000	0	0	130,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
221 Service Sustainability Investm	0	0	0	0	0	0	0	130,000	0	0	130,000
Total	0	0	0	0	0	0	0	130,000	0	0	130,000

Related Projects		Historical Approved Budget			Operating Budget Impact			
			Revenue		Effective Date	2026-01-01	Exp/(Rev) FTE Impact	
		Year	Total Expense	Net City Cost	Subsidies	Description	1,000	0
		2020	130,000	130,000	0	Certification training		
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date			
2019	March 1, 2030	Growth: 0.0 % Maintenance: 0.0 %		Brian Bobbie/Deputy Fire Chief Jamie Waffle	2030			





# Project Version Summary

<b>Project #</b>	FRS-001-20	<b>Service Area</b>	Legal & Legislative Services
<b>Budget Year</b>	2023	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Operations
<b>Title</b>	Technology Replacements - Emergency Operations Centre (EOC)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

**Project Description**  
 Emergency Operations Centre (EOC) opened in September of 2017 with technology and components that were affordable within the project budget. As with all equipment these component funds requested are for technology maintenance and replacement as equipment capabilities decline or equipment becomes unsupportive or obsolete.

**Version Description**  
 The EOC is equipped with high level computer technology like visual, sound and communication equipment among others. Reliable, up to date technology will provide safety and security to all internal personnel and community at large to minimize effects of disasters such as tornado, flooding or industrial accidents. Fire, Police or EMS work cooperatively to save lives and infrastructure one of which is through technology advancements. It is essential a replacement plan is established in order to ensure the EOC remains operational and funds are available when equipment needs replacement.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
Funding replacement plan beyond year 2027 is planned with request for funding of \$50,000 every three years starting in year 2030. Funds are to be placed in a newly established reserve account and used as the need for replacement or upgrade arises.	

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5110 Machinery & Equipment - TCA	0	0	0	150,000	150,000	0	0	50,000	0	0	350,000
Total	0	0	0	150,000	150,000	0	0	50,000	0	0	350,000
<b>Revenues</b>											
221 Service Sustainability Investm	0	0	0	150,000	150,000	0	0	50,000	0	0	350,000
Total	0	0	0	150,000	150,000	0	0	50,000	0	0	350,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2020	December 31, 2025	Growth: 0.0 % Maintenance: 0.0 %	Emily Bertram/Fire Chief Stephen Laforet	2030



# Project Version Summary

<b>Project #</b>	FRS-001-23	<b>Service Area</b>	Legal & Legislative Services
<b>Budget Year</b>	2023	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Operations
<b>Title</b>	Replacement of Mobile Live Fire Training Unit (MLFTU)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	Ward 3		
<b>Version Name</b>	Main (Active)		

**Project Description**

In 2017 as per CR438/2017, Report C122/2017, Windsor Fire and Rescue Services (WFRS), along with three sharing partners, purchased a Mobile Live Fire Training Unit (MLFTU) and entered into a shared use agreement. The sharing partners are LaSalle Fire Service, Amherstburg Fire & Rescue and St. Clair College. Remaining lifespan of the MLFTU equipment is another ten years or year 2032 after which a replacement will need to occur. Another shared partnership option will be explored.

**Version Description**

The MLFTU is equipment that provides all firefighters, regardless of rank, an opportunity to train in a live-fire environment using safety precautions and under an appropriate span of control and supervision. The MLFTU allows for the ability to train in a low risk, controlled environment enabling instructors to emphasize the importance of fire dynamics and the fundamentals of fire behaviour. The current shared agreement with partners has served the community well and it allowed for a cost effective method of providing a safe live-fire training. Desire of all partners is to continue the shared ownership model.

Funding requested is Windsor Fire and Rescue's 2 out of 5 shares or \$400,000 out of total estimated \$1,000,000 cost.

<b>Project Comments/Reference</b>	<b>Version Comments</b>

<b>Project Detailed Forecast</b>		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5110	Machinery & Equipment - TCA	0	0	0	0	0	0	0	0	0	850,000	850,000
	Total	0	0	0	0	0	0	0	0	0	850,000	850,000
<b>Revenues</b>												
221	Service Sustainability Investm	0	0	0	0	0	0	0	0	0	250,000	250,000
6735	Recovery Of Expenses EXTERNAL	0	0	0	0	0	0	0	0	0	600,000	600,000
	Total	0	0	0	0	0	0	0	0	0	850,000	850,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2023	July 1, 2031	Growth: 0.0 % Maintenance: 0.0 %	Brent Paisley/ Deputy Fire Chief Jamie Waffle	2033



# Project Version Summary

<b>Project #</b>	FRS-002-19	<b>Service Area</b>	Legal & Legislative Services
<b>Budget Year</b>	2023	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Operations
<b>Title</b>	Fire & Rescue - Forcible Entry Prop		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 Fire & Rescue Training division requires two new forcible entry props. It is used to practice the skill of entering a locked structure in an emergency situation. Forcible entry is a perishable skill that requires regular practice.

**Version Description**  
 The current prop has reached it's useful life and it's old design makes it difficult to move locations. It is important that training can be brought to different fire hall stations to allow for firefighters' continuous training as well as readiness to respond if an emergency call comes in. The new forcible entry prop has the functionality to be taken apart and make it more portable to facilitate training in different locations. A firefighter whose skills have diminished is at greater risk of suffering an injury due to improper technique and may take more time on scene to gain access into a locked building.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
	It is recommended that funds be accelerated to year 2023.

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5111 Machinery & Equipment -Non TCA	0	20,000	0	0	0	0	0	0	0	0	20,000
Total	0	20,000	0	0	0	0	0	0	0	0	20,000
<b>Revenues</b>											
221 Service Sustainability Investm	0	0	0	0	0	0	0	0	0	0	0
221CF Committed Funding	0	20,000	0	0	0	0	0	0	0	0	20,000
Total	0	20,000	0	0	0	0	0	0	0	0	20,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2019	July 1, 2024	Growth: 0.0 % Maintenance: 0.0 %	Brian Bobbie/Deputy Fire Chief Jamie Waffle	2024



## Project Version Summary

<b>Project #</b>	FRS-002-21	<b>Service Area</b>	Legal & Legislative Services
<b>Budget Year</b>	2023	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Operations
<b>Title</b>	Training Towers Stair Replacement		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

Firefighter Stair Tower is a stand alone metal sturdy and rigid structure that provides a safe means to practice real life simulations for physical conditioning of fire specific activities. The stair-training tower also offers a venue that assists firefighters train in hose advancement and hone their skills in realistic environment that are paramount to their ongoing training, education and skills development specific to the job.

### Version Description

Windsor Fire & Rescue has two separate towers that are in need of replacement. The first is a steel standalone scaffolding structure purchased “used” from FireFit Canada in 2001. At the time of purchase, the tower was already 7 years old and was being used as a “portable” system, which could be erected from city to city for the Firefighter Combat Challenge competitions. Windsor Fire purchased this and erected it as a permanent structure supported by guide wires to provide both the WFRS Combat Challenge team and the Training Division with a means to support and encourage physical conditioning specifically related to the job. The tower is now well past its useful life and requires visual inspections before and during each use, particularly when inclement weather occurs such as strong winds, heavy rain, or snow accumulation. It also requires a formal annual inspection and has undergone extensive repairs over the last several years that are required to be performed by a certified provider. Furthermore, the WFRS apparatus division is required to assist with ongoing maintenance. Although it is made of solid steel, the landings are constructed of plywood and maintenance is becoming costly and time-consuming.

The second stair tower is attached to the 3-story burn building located at Station 4 and is utilized for smoke removal, ventilation, and search & rescue training. The steel staircase, needed to access the upper levels of the tower has recently been inspected and condemned for use past the second story. Access to the third story and roof is restricted and the costly repairs are merely deemed to be a short-term solution, therefore a replacement funding is needed.

It is recommended that funds for the Training Towers Stair Replacement be accelerated to year 2023 to ensure that the required training for firefighting personnel and new recruits can continue uninterrupted and without risk of failure on a permanent basis.

### Project Comments/Reference

### Version Comments

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5110	Machinery & Equipment - TCA	0	0	0	200,000	0	0	0	0	0	0	200,000
Total		0	0	0	200,000	0	0	0	0	0	0	200,000
<b>Revenues</b>												
169CF	Committed Funding	0	0	0	0	0	0	0	0	0	0	0
221	Service Sustainability Investm	0	0	0	0	0	0	0	0	0	0	0
221CF	Committed Funding	0	0	0	200,000	0	0	0	0	0	0	200,000
Total		0	0	0	200,000	0	0	0	0	0	0	200,000
<b>Related Projects</b>		<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>			<b>Est. Completion Date</b>					
2021	January 1, 2028	Growth: 0.0 % Maintenance: 0.0 %		Deputy Fire Chief Jamie Waffle			2026`					





## Project Version Summary

<b>Project #</b>	FRS-003-13	<b>Service Area</b>	Legal & Legislative Services
<b>Budget Year</b>	2023	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Operations
<b>Title</b>	New Fire Headquarters - Station #1		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	Ward 3, City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

WFRS is recommending the replacement of the existing Station 1/Headquarters facility. The current building was built in 1967 and is in extremely poor condition. The building is in need of substantial repairs which are very costly and only serve as stopgap measures. The new facility would also house the Fire Prevention division which is currently working out of an aging annex building located to the rear of the current headquarters.

### Version Description

The current headquarters building provides limited access to persons with physical disabilities to the first floor Administration area only. There is zero accessibility to the second floor or any other areas in the building including the fire hall and Emergency Communications Center. The Administrative area of the headquarters building also shares common washroom facilities for males and females and has inadequate office and storage space to meet its needs. Personnel are forced to share workspace with limited storage capability. A central record keeping area does not exist within the facility, which creates difficulty in ensuring records are kept and maintained according to best practices.

Due to the age of the building, the energy efficiency is virtually non-existent. Both the building construction and outdated mechanicals contribute to the inefficiency of the structure. It is not uncommon for repairs to the heating and air conditioning system to take days in both administration and the firehall. Due to the aging boiler system, fire crews often go without hot water for extended periods when awaiting repair(s). Flooding is also a concern and is often experienced during major rainfalls compromising expensive and essential communications equipment housed in the basement of the facilities. Repairs after flooding also take days to complete due to aging equipment and the difficulty in finding parts.

Relative to the current Fire Prevention building, only the front vestibule can accommodate persons with disabilities. The corridors, door widths, washrooms and offices cannot accommodate a person in a wheel chair. Fire Prevention staff are currently working out of renovated closets with little room for more than a desk and chair. The Fire Prevention annex faces the same challenges with energy efficiency and general disrepair.

A new facility will house Administration, Fire Prevention, the Emergency Communications Center (dispatch) and Station 1 Fire Operations. The new facility will provide an accessible, energy efficient facility that meets the current and future needs of Windsor Fire and Rescue Services.

Estimated cost based on Construction inflation rate of 2% is \$32,500,000, this amount includes purchase of the land.

### Project Comments/Reference

### Version Comments

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Project Detailed Forecast																																
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total																				
<b>Expenses</b>																																
5410	Construction Contracts - TCA	1,127,483	372,517	0	0	1,500,000	56,816	4,394,971	12,356,045	2,304,799	5,887,369	28,000,000																				
Total		1,127,483	372,517	0	0	1,500,000	56,816	4,394,971	12,356,045	2,304,799	5,887,369	28,000,000																				
<b>Revenues</b>																																
169	Pay As You Go - Capital Reserve	0	0	0	0	1,500,000	0	3,081,963	11,418,037	500,000	0	16,500,000																				
221	Service Sustainability Investm	1,127,483	372,517	0	0	0	56,816	1,313,008	938,008	1,804,799	5,887,369	11,500,000																				
Total		1,127,483	372,517	0	0	1,500,000	56,816	4,394,971	12,356,045	2,304,799	5,887,369	28,000,000																				
<b>Related Projects</b>		<b>Historical Approved Budget</b>					<b>Operating Budget Impact</b>																									
				<table border="1"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Revenue</th> </tr> <tr> <th>Year</th> <th>Total Expense</th> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr> <td>2022</td> <td>200,000</td> <td>200,000</td> <td>0</td> </tr> </tbody> </table>					Revenue		Year	Total Expense	Net City Cost	Subsidies	2022	200,000	200,000	0	<table border="1"> <thead> <tr> <th>Effective Date</th> <th>Unknown</th> <th>Exp/(Rev)</th> <th>FTE Impact</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>0</td> <td>0</td> </tr> </tbody> </table>		Effective Date	Unknown	Exp/(Rev)	FTE Impact			0	0	<b>Description</b> An increase/decrease to the annual operating budget may be required upon project completion(ie. utilities, maintenance contracts etc.)			
		Revenue																														
Year	Total Expense	Net City Cost	Subsidies																													
2022	200,000	200,000	0																													
Effective Date	Unknown	Exp/(Rev)	FTE Impact																													
		0	0																													
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>			<b>Est. Completion Date</b>																									
2013	January 1, 2027	Growth: 0.0 % Maintenance: 100.0 %		Deputy Fire Chief Jamie Waffle/Fire Chief Stephen Laforet			2033`																									



# Project Version Summary

<b>Project #</b>	FRS-003-19	<b>Service Area</b>	Legal & Legislative Services
<b>Budget Year</b>	2023	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Operations
<b>Title</b>	Re-alignment of Fire & Rescue Training & Apparatus Facility		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

## Project Description

Fire & Rescue Training division is requesting funding to establish a new training facility to better meet its operational needs. Training division provides classroom instruction for new firefighter recruits, existing firefighters and other fire staff. Training division also carries out promotional processes such as captain and district chief classes.

The current WFRS training facility does not meet the current training needs of the service and is certainly not capable of absorbing the long-term training demand brought on by the recent regulatory changes.

In order to provide staff with an appropriate learning environment, the creation of classroom space that supports new learning technologies is essential.

## Version Description

One of the main challenges with the facility is the crowding of both Training and Apparatus divisions. Training division has one small classroom, which is an open and shared space with the Apparatus division. Size of the current classroom does not allow for social distancing which, during the pandemic, caused recruit classes to be delayed and relocated to WFCU Center. Relocating was a challenge causing decreased efficiency, organization and ability to effectively train staff. It should be expected that future outbreaks will occur and similar measures such as social distancing will be implemented.

The current classroom is also not configured to support new learning technologies like audiovisual equipment and hands-on props. Therefore, training division is in need of new space to accommodate 2 appropriately sized classrooms that can provide in-service training and can be run concurrently with specific classes such as recruit, officer, auto-x, medical and other specialty programs. Additionally, the male washroom/shower space has been configured as a Band-Aid solution. The facility has an old open style shower and does not allow for privacy of staff or recruits with 10-12 personnel at a time. A female shower has recently been added to avoid an expensive rental of a washroom/shower trailer as females entering a profession is increasing. This too was constructed as a Band-Aid solution. A separate building with appropriate components for an effective and efficient training division is much needed and the need is steadily growing with changes in the regulatory criteria that must be met.

The Apparatus division is in need of an additional bay to allow more timely repairs and maintenance of Windsor fire apparatus as well as take advantage of external other municipal apparatus work that generates revenue for the division. Currently, the division limits the external work because the repair bays are occupied with our own apparatus. By training division separating from the current building space, Apparatus can expand it's capacity and improve efficiency of space and staff.

## Project Comments/Reference

Windsor Fire & Rescue Services (WFRS) 2018 - 2023 Strategic plan identified the need to evaluate and enhance current training practices, facilities and equipment. This project plays a critical role in ability to accomplish this task in order to pursue, achieve and maintain accreditation with the CFAI (Commission on Fire Accreditation International) to better serve our community and to embrace excellence.

## Version Comments

Delay in funding would deepen the strain on resources in Training and Apparatus divisions as well as pro-long the accreditation process with the CFAI.

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	0	0	0	0	0	0	0	0	400,000	0	400,000
Total		0	0	0	0	0	0	0	0	400,000	0	400,000
<b>Revenues</b>												
221	Service Sustainability Investm	0	0	0	0	0	0	0	0	400,000	0	400,000
Total		0	0	0	0	0	0	0	0	400,000	0	400,000
<b>Related Projects</b>			<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>					
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>			<b>Est. Completion Date</b>					
2019	March 1, 2030	Growth: 0.0 % Maintenance: 0.0 %		Deputy Fire Chief Jamie Waffle/Fire Chief Stephen Laforet			2033`					



## Project Version Summary

<b>Project #</b>	FRS-003-20	<b>Service Area</b>	Legal & Legislative Services
<b>Budget Year</b>	2023	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Operations
<b>Title</b>	Fire & Rescue Washer Extractor		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	Ward 9, Ward 10		
<b>Version Name</b>	Main (Active)		

### Project Description

WFRS requires replacement of a Washer Extractor in two Stations that will reach end of useful life (10 years) in 2027. Washer Extractor is a commercial clothes washing machine that can accommodate heavy duty clothing such as bunker gear.

Regular cleaning through the utilization of an extractor washer is part of NFPA 1851 – Standard on Selection Care and Maintenance of Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting.

### Version Description

WFRS firefighters clean their own gear regularly and often the gear is cleaned after every fire incident response. This can amount to daily use of a washing extractor to clean bunker gear between all firefighters. The bunker gear is the main tool to protect a firefighter against burns, smoke and consequently against diseases caused by the carcinogen exposure.

In addition to WFRS's own cleaning and maintenance of the bunker gear, the gear is also sent to a third party professional cleaning service on an annual basis as per personal protective equipment standards or more often when warranted for repairs due to wear and damage. This service rates the bunker gear effectiveness and makes repairs required to keep the gear at its optimal protection level. This is also a critical step in addressing firefighter health and safety against carcinogenic exposure and WSIB claims of such which continue to rise across the province due to the chemicals contained in new building and furnishing materials.

Currently, post fire activities see the fire apparatus attend stations that have a washing extractor. During this process, if the apparatus is not at its home station, the apparatus is out of service, unavailable to attend until the fire fighters either replace their bunker gear with their second set of gear, or utilize the extractor, thereby affecting response until the apparatus personnel have replaced their bunker gear, and are readying the previous set to reused if another exposure incident were to occur.

### Project Comments/Reference

### Version Comments

Firefighters cleaning their own gear internally is a more cost effective option to cleaning and maintenance. Therefore, it is important to secure the replacement of Washer Extractors as its useful life reaches the end.

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5111	Machinery & Equipment -Non TCA	0	0	0	0	0	25,000	0	50,000	0	0	75,000
Total		0	0	0	0	0	25,000	0	50,000	0	0	75,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	50,000	0	0	50,000
221	Service Sustainability Investm	0	0	0	0	0	25,000	0	0	0	0	25,000
Total		0	0	0	0	0	25,000	0	50,000	0	0	75,000
<b>Related Projects</b>		<b>Historical Approved Budget</b>					<b>Operating Budget Impact</b>					
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>			<b>Est. Completion Date</b>					
2020	July 1, 2028	Growth: 0.0 % Maintenance: 0.0 %		Mike Mio/Deputy Fire Chief Jamie Waffle			2030`					



# Project Version Summary

<b>Project #</b>	FRS-003-22	<b>Service Area</b>	Legal & Legislative Services
<b>Budget Year</b>	2023	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Operations
<b>Title</b>	Decontamination Unit for Personal Protective Equipment (PPE)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

When fighting a fire, protective gear including SCBA, helmets, face pieces, boots and gloves (PPE), become contaminated with soot particles and combusting gases. Some of these particles are cancer-causing chemicals that pose a real threat to health. Decontaminating the protective gear immediately upon return to the station is therefore of utmost importance.

**Version Description**

Currently firefighters clean their personal protective equipment by hand which continues to expose a firefighter to contaminants after the fire scene. Cleaning by hand is also time consuming and subjective to a firefighter doing it. WFRS is looking to purchase one decontamination unit which is a machine that cleans the PPE from the smallest harming particles. Every crevice, every surface is cleaned with the same consistency and high level of cleanliness. Decontamination unit uses water temperature, time and chemo-mechanical action to provide exceptional cleaning while also utilizing charcoal filter system that creates the cleanest wash water possible by stopping the contaminants from ever leaving the filter system. With cancer rates on the rise at WFRS, a way to reduce the risks associated with contaminated gear is much desired.

WFRS currently owns one decontamination unit purchased in 2021 by a grant from Firehouse Subs Public Safety Foundation of Canada as per CAO 220/2021. The funding request in 2026 is for the purchase of a second unit in order to have easier access and availability for cleaning and to serve two ends of the City fire stations, the east and the west. The funding in 2030 is to replace to original unit purchased in 2021.

<b>Project Comments/Reference</b>	<b>Version Comments</b>

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5110 Machinery & Equipment - TCA	0	0	0	40,000	0	0	0	50,000	0	0	90,000
Total	0	0	0	40,000	0	0	0	50,000	0	0	90,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	50,000	0	0	50,000
221 Service Sustainability Investm	0	0	0	40,000	0	0	0	0	0	0	40,000
Total	0	0	0	40,000	0	0	0	50,000	0	0	90,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2022	January 31, 2026	Growth: 0.0 % Maintenance: 0.0 %	Deputy Chief Jamie Waffle	2030





# Project Version Summary

<b>Project #</b>	FRS-005-07	<b>Service Area</b>	Legal & Legislative Services
<b>Budget Year</b>	2023	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Operations
<b>Title</b>	Heavy Hydraulics Replacement-Auto Extrication		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

The replacement plan for auto extrication tools and industrial accident heavy hydraulics is directly related to the life-cycle of the equipment. WFRS currently has 4 auto extrication units. In 2020 there were 129 vehicle accidents where people were trapped and these units were potentially utilized. Additionally, firefighters use the equipment regularly for training purposes.

**Version Description**

Heavy hydraulic replacement consists of auto cutters, spreaders and rams also known as auto extrication tools. The current equipment is hydraulic based and to be more environmentally conscious WFRS plans to purchase an electronic/battery operated units which are more commonly used in the industry today.

Existing equipment is 7 years old today (2022), the useful life is 10-15 years, the replacement is important for continued service delivery. Recent inflationary pressure created a shortfall in the original funding of \$200,000 in 2028. WFRS reconsidered its 10 year Capital plan and was able to re-prioritise additional funding from other projects in years 2026 & 2030 to fit the existing envelope of funds.

Project Comments/Reference	Version Comments
7121013 closed. NEW	

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5110	Machinery & Equipment - TCA	0	0	0	50,000	0	200,000	0	50,000	0	0	300,000
	Total	0	0	0	50,000	0	200,000	0	50,000	0	0	300,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	50,000	0	0	50,000
221	Service Sustainability Investm	0	0	0	50,000	0	200,000	0	0	0	0	250,000
	Total	0	0	0	50,000	0	200,000	0	50,000	0	0	300,000

Related Projects		Historical Approved Budget			Operating Budget Impact	
			<b>Revenue</b>			
		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	
		2012	110,000	110,000	0	
		2014	115,000	115,000	0	
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date		
2007	January 31, 2026	Growth: 0.0 % Maintenance: 0.0 %	Brent Paisley/ Deputy Chief Jonathan Wilker	2030`		



# Project Version Summary

<b>Project #</b>	FRS-007-18	<b>Service Area</b>	Legal & Legislative Services
<b>Budget Year</b>	2023	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Operations
<b>Title</b>	Thermal Imaging Camera - Fire & Rescue Services		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

A Thermal Imaging Camera or Thermal Imager is a non-contact device that detects infrared energy (heat) and converts it into an electronic signal, which is then processed to produce a thermal image or video on a display screen. The image created is based on the contrast of infrared radiation energy that exists between objects that are of different temperatures. The amount of infrared radiation emitted by an object increases with temperature; as a result, cooler objects appear on the display screen darker than warmer objects. Firefighters use thermal imagers to see through smoke, to find persons, and to locate the base of a fire in environments with or without visible light. Simply put, the thermal imager allows the firefighter to see in the dark making it easier to find trapped persons while at the same time creating a safer environment for the firefighter to work in.

### Version Description

WFRS currently owns 18 Thermal Imagers which are assigned to each fire apparatus as well as the Safety Officer's response vehicle. Thermal imagers are used in hostile environments and are subject to physical conditions which over time can result in damage to the unit despite their robust design. This, along with constantly evolving technology results in the units having to be replaced regularly.

At an average cost approaching \$10,000/unit and a life span of 5 years per unit, WFRS is seeking \$50,000 (5 units/year) to begin a regular replacement schedule which would ensure reliable equipment is available on a continuous basis and allow for better control and planning of the replacements.

### Project Comments/Reference

### Version Comments

### Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5110 Machinery & Equipment - TCA	50,000	0	0	0	0	50,000	50,000	0	0	0	150,000
Total	50,000	0	0	0	0	50,000	50,000	0	0	0	150,000
<b>Revenues</b>											
221 Service Sustainability Investm	50,000	0	0	0	0	50,000	50,000	0	0	0	150,000
Total	50,000	0	0	0	0	50,000	50,000	0	0	0	150,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2018	December 31, 2022	Growth: 0.0 % Maintenance: 100.0 %	Mike Mio/Deputy Fire Chief Jamie Waffle	2029



# Project Version Summary

<b>Project #</b>	FRS-002-07	<b>Service Area</b>	Legal & Legislative Services
<b>Budget Year</b>	2023	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Support Services
<b>Title</b>	Fire & Rescue Computer-aided Dispatch System (CRISYS)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

The current Crisys Computer Aided Dispatch (CAD) system was implemented in 2004. This CAD system is one of the major components of the Windsor Fire Communications as it provides speed and accuracy on processing emergency calls for the City of Windsor.

**Version Description**

Along with processing emergency calls, Crisys system also provides important features vital for firefighting and rescue operations such as location and the type of hazardous materials, location of physically challenged citizens, location and size of hydrants, special warnings, fire pre-planning information, etc. The City of Windsor also sells dispatching service to five other municipalities for a fee as approved in the Fire & Rescue's User fee schedule.

Crisys recommends complete system replacement every 3 years as computer processor manufacturers are typically doubling the speed of these devices every 18 months. The manufacturer indicated that approximately \$50,000 will be required every 3-years going forward and since 2013 this amount was proven sufficient. It is anticipated that with NextGen 911 Federal legislation internet based conversion in 2025, the upgrade requirement will remain the same.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
(Closed:7101012 / 7131006) / 7161037	

<b>Project Detailed Forecast</b>		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5125	Computers - PCs	0	0	0	50,000	0	0	50,000	0	0	50,000	150,000
	Total	0	0	0	50,000	0	0	50,000	0	0	50,000	150,000
<b>Revenues</b>												
170	Pay As You Go - Leasing Reserve	0	0	0	50,000	0	0	50,000	0	0	50,000	150,000
	Total	0	0	0	50,000	0	0	50,000	0	0	50,000	150,000

Related Projects		Historical Approved Budget			Operating Budget Impact																													
<b>Follows</b> FRS-004-19  <b>Project Title</b> WFRS - Next Gen 911 Telecommunications Rehabilitation Program  <b>Precedes</b> ITC-001-12  <b>Project Title</b> Fire and Rescue Records Management and Computer Aided Dispatch System Initiatives		<table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">Total Expense</th> <th colspan="2">Revenue</th> </tr> <tr> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr> <td>2010</td> <td>180,000</td> <td>180,000</td> <td>0</td> </tr> <tr> <td>2013</td> <td>40,000</td> <td>40,000</td> <td>0</td> </tr> <tr> <td>2016</td> <td>50,000</td> <td>50,000</td> <td>0</td> </tr> <tr> <td>2020</td> <td>50,000</td> <td>50,000</td> <td>0</td> </tr> </tbody> </table>	Year	Total Expense	Revenue		Net City Cost	Subsidies	2010	180,000	180,000	0	2013	40,000	40,000	0	2016	50,000	50,000	0	2020	50,000	50,000	0	<table border="1"> <thead> <tr> <th>Effective Date</th> <th>Unknown</th> <th>Exp/(Rev)</th> <th>FTE Impact</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Effective Date	Unknown	Exp/(Rev)	FTE Impact			0	0	<b>Description</b> Operating budget exists for maintenance and support services.
Year	Total Expense	Revenue																																
		Net City Cost	Subsidies																															
2010	180,000	180,000	0																															
2013	40,000	40,000	0																															
2016	50,000	50,000	0																															
2020	50,000	50,000	0																															
Effective Date	Unknown	Exp/(Rev)	FTE Impact																															
		0	0																															
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date																														
2007	January 1, 2023	Growth: 0.0 % Maintenance: 0.0 %	Mike Menard/Deputy Fire Chief Jonathan Wilker	Ongoing - every 3 years`																														



# Project Version Summary

<b>Project #</b>	FRS-003-16	<b>Service Area</b>	Legal & Legislative Services
<b>Budget Year</b>	2023	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Support Services
<b>Title</b>	Fire Education Materials, Displays & Equipment		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

The Fire Protection and Prevention Act requires all fire services in Ontario to provide fire safety education. Funds allocated are for maintenance and replacement of public education display materials and equipment to support the increasing number of public education-related activities undertaken by the Windsor Fire & Rescue Fire Services' Fire Prevention and Emergency Management Divisions.

**Version Description**

Windsor Fire and Rescue Services is aware of the expectation to promote the City of Windsor in a competent and professional manner. To limit materials being utilized for Fire Prevention public education that are over 10 years old, worn, inoperable or unprofessional in appearance, a regular replacement schedule is recommended. Further, the single set of Fire Prevention materials is insufficient to meet the current needs of Windsor Fire & Rescue as there are often two events occurring simultaneously and regular funding can allow for proper planning to adjust to changing needs.

Regular replacement and update of displays, materials and equipment reflect the corporate standard and Fire & Rescue's responsibility to educate and prevent emergency incidents. A replacement/update schedule every 5 years is sufficient for ongoing funding of the program.

Project Comments/Reference	Version Comments
7161038	

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
2360	Promotional Material & Product	0	0	20,000	0	0	0	0	20,000	0	0	40,000
	Total	0	0	20,000	0	0	0	0	20,000	0	0	40,000
<b>Revenues</b>												
221	Service Sustainability Investm	0	0	20,000	0	0	0	0	20,000	0	0	40,000
	Total	0	0	20,000	0	0	0	0	20,000	0	0	40,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2016	20,000	20,000	0				
		2020	20,000	20,000	0				
					No operating budget impact.				
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2016	January 1, 2025	Growth: 0.0 % Maintenance: 0.0 %	Mike Coste/Deputy Chief Jonathan Wilker		Ongoing - every 5 years`				





# Project Version Summary

<b>Project #</b>	FRS-004-07	<b>Service Area</b>	Legal & Legislative Services
<b>Budget Year</b>	2023	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Support Services
<b>Title</b>	Firefighter Self-Contained Breathing Apparatus (SCBA) Replacement		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 Self Contained Breathing Apparatus (SCBA) is the most important equipment in protecting the health and safety of firefighters, providing the firefighter with the ability to breathe and communicate while working in hazardous environments such as structure fires, vehicle fires and hazardous materials incidents.

**Version Description**  
 Current SCBA equipment was purchased in 2016 and typically requires replacement approximately every 12 to 15 years. Replacement of the equipment may be required in year 2028. Fire & Rescue is performing regular maintenance and software upgrades to the SCBA equipment to allow for longer usage and decreased maintenance cost in years nearing end of life. Therefore, funding in 2029 is a placeholder for planning purposes and will be revised to best meet replacement time vs. maintenance cost. Dedicated funding source allows for this flexibility.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
(Closed: 7071069/7111033/7121012) NEW 2016 Operating Budget Council approved establishment of Self-Contained Breathing Apparatus (SCBA) Reserve (Acc.1794) with an annual contribution of \$100,000 towards the future replacement.	

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5110 Machinery & Equipment - TCA	0	0	0	0	0	0	1,400,000	0	0	0	1,400,000
Total	0	0	0	0	0	0	1,400,000	0	0	0	1,400,000
<b>Revenues</b>											
7058 TRANSFER From Reserve Account	0	0	0	0	0	0	1,400,000	0	0	0	1,400,000
Total	0	0	0	0	0	0	1,400,000	0	0	0	1,400,000

Related Projects		Historical Approved Budget			Operating Budget Impact		
		Revenue					
		Year	Total Expense	Net City Cost	Subsidies		
		2007	220,000	220,000	0		
		2011	20,000	20,000	0		
		2012	600,000	600,000	0		
		2016	200,000	200,000	0		
		2018	300,000	300,000	0		
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date		
2007	January 1, 2029	Growth: 0.0 % Maintenance: 0.0 %	Deputy Fire Chief Jamie Waffle		2030		



# Project Version Summary

<b>Project #</b>	FRS-004-19	<b>Service Area</b>	Legal & Legislative Services
<b>Budget Year</b>	2023	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Support Services
<b>Title</b>	WFRS - Next Gen 911 Telecommunications Rehabilitation Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

Effective communications is the most critical aspect of public safety. This consists of communications with the public, communications with the firefighters, Windsor Fire and Rescue staff and other emergency services. Emergency communications is about to enter a significant and sustained period of transformation which will be legislated in year 2025. This will include a move to Next Generation 911 (NG911) and the implementation of the North American public safety broadband spectrum. Replacement of the aging telephone system at WFRS headquarters will be required in order to accommodate the new technology.

**Version Description**

Telecommunication upgrade involves receiving the information in many forms like text messages, pictures, video, and telematics that will be sent directly to 911 from a variety of devices. Fire & Rescue's communication ability will require technological upgrades or replacements to all equipment, hardware, software, and workstations. Fully functioning back up site, compliant with Next Generation 911, is also included in this project should the functionality be lost at the primary site.

The funding allocated is believed to be sufficient but as this initiative progresses more details will become available and management will advise and report on any changes or new information that have the potential to affect the cost or operations related to this project.

This project is in conjunction with Police's capital project POL-004-19. The two projects will be jointly executed and funding from both projects is required. All funding will be transferred to 7197005.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7227000	COMMITMENT: CR68/2022 C 12/2022: 2024 F221 \$300,000 - 2025 F169 \$500,000 - 2025 F221 \$1,100,000

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5110 Machinery & Equipment - TCA	0	300,000	1,600,000	0	0	0	0	0	0	0	1,900,000
Total	0	300,000	1,600,000	0	0	0	0	0	0	0	1,900,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
169CF Committed Funding	0	0	500,000	0	0	0	0	0	0	0	500,000
221 Service Sustainability Investm	0	0	0	0	0	0	0	0	0	0	0
221CF Committed Funding	0	300,000	1,100,000	0	0	0	0	0	0	0	1,400,000
Total	0	300,000	1,600,000	0	0	0	0	0	0	0	1,900,000

Related Projects		Historical Approved Budget			Operating Budget Impact																							
<b>Precedes</b> FRS-002-07  <b>Project Title</b> Fire & Rescue Computer-aided Dispatch System (CRISYS)		<table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">Total Expense</th> <th colspan="2">Revenue</th> </tr> <tr> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr> <td>2020</td> <td>125,000</td> <td>125,000</td> <td>0</td> </tr> <tr> <td>2021</td> <td>225,000</td> <td>225,000</td> <td>0</td> </tr> </tbody> </table>	Year	Total Expense	Revenue		Net City Cost	Subsidies	2020	125,000	125,000	0	2021	225,000	225,000	0	<table border="1"> <thead> <tr> <th>Effective Date</th> <th>Unknown</th> <th>Exp/(Rev)</th> <th>FTE Impact</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Effective Date	Unknown	Exp/(Rev)	FTE Impact			0	0	<b>Description</b> Operating budget for maintenance and support of current CAD system exists. The budget is anticipated to remain the same upon implementation of this project.		
Year	Total Expense	Revenue																										
		Net City Cost	Subsidies																									
2020	125,000	125,000	0																									
2021	225,000	225,000	0																									
Effective Date	Unknown	Exp/(Rev)	FTE Impact																									
		0	0																									
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date																								
2019	January 31, 2021	Growth: 0.0 % Maintenance: 0.0 %	Mike Menard/Deputy Fire Chief Jonathan Wilker	2025																								



# Project Version Summary

<b>Project #</b>	FRS-004-22	<b>Service Area</b>	Legal & Legislative Services
<b>Budget Year</b>	2023	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Support Services
<b>Title</b>	Fire & Rescue Emergency Vehicle Pre-Emption (EVP)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

The traffic pre-emption technology (Opticom) currently used by Windsor Fire and Rescue is antiquated and the associated equipment requires extensive adjustment and maintenance. Emergency Vehicle Pre-emption (EVP) technology will allow for the control of all traffic signals throughout the city through connections via the KITS Advance Traffic Management System and utilizes existing GPS technology to identify vehicle locations and vehicle speed. Installation of this technology has the potential to reduce response times by as much as 30 seconds on short distance responses and as much as one minute on longer distance responses. This technology could put responders on scene sooner and in greater numbers, and will support the corporate vision of employee safety and public safety.

**Version Description**

This technology would be a cost aversion strategy as the need for additional infrastructure - and thereby capital dollars - may be reduced as the reach of existing fire services is extended. The KITS Emergency Vehicle Pre-emption (EVP) module will work in conjunction with the KITS Transit Signal Priority (TSP), currently being considered by Windsor Transit. Further, this system - once operational - could be expanded to include other agencies such as Police and EMS, all of which could leverage this investment.

Total projected modules for the .Emergency Vehicle Pre-emption (EVP) system include:

- Controllers & Communications Network
- KITS System Development and Integration Costs
- Utilizes GPS equipment currently installed on Fire Apparatus

Report S71/2022 pre-commits the funds in 2025 as per Council approval CR292/2022.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7224007	COMMITTED: CR292/2022 S 71/2022: 2025 F221 \$600K

<b>Project Detailed Forecast</b>		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5110	Machinery & Equipment - TCA	0	0	600,000	0	0	0	0	0	0	0	600,000
	Total	0	0	600,000	0	0	0	0	0	0	0	600,000
<b>Revenues</b>												
221	Service Sustainability Investm	0	0	0	0	0	0	0	0	0	0	0
221CF	Committed Funding	0	0	600,000	0	0	0	0	0	0	0	600,000
	Total	0	0	600,000	0	0	0	0	0	0	0	600,000

Related Projects		Historical Approved Budget		Operating Budget Impact	
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date	
					<p style="text-align: right;"><b>Effective Date</b> Unknown      <b>Exp/(Rev)</b> FTE <b>Impact</b></p> <p><b>Description</b> <span style="float: right;">0      0</span></p> <p>Annual subscription to Kimley Horn Traction Gold is required for a total amount of \$71,120 cost shared by PW Traffic, Transit Windsor and Fire &amp; Rescue. Fire and Rescue's portion is \$22,940 and will be commencing in year 2025 brought forward through Operating budget process.</p>
2015	January 31, 2025	Growth: 0.0 % Maintenance: 0.0 %	Fire Chief Stephen Laforet / Deputy Fire Chief Jonathan Wilker	2026`	



## Project Version Summary

<b>Project #</b>	FRS-005-18	<b>Service Area</b>	Legal & Legislative Services
<b>Budget Year</b>	2023	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Support Services
<b>Title</b>	Shop Air-Compressor		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>												
The Fire & Rescue Apparatus Division provides maintenance and repair services to its entire fleet and to all of its small equipment including breathing apparatus and auto extrication tools. The maintenance of the equipment becomes increasingly more reliant on air powered tools. A consistent supply of compressed air is required to operate these tools in the process of inspections and repairs. The functions these tools provide cannot be practically done in any other matter as manually operated or electric tools cannot provide the torque that air tools deliver.												
<b>Version Description</b>												
The Shop Air-Compressor is approximately 17 years old with life expectancy of 20 years. This equipment is essential in daily operations of any shop today. It is used to power all air tools like air impact guns, air chisels, shop fluid dispensing system and an assortment of smaller tools essential to the operation of the Apparatus Division. The shop air is even necessary to operate the large truck hoist.												
<b>Project Comments/Reference</b>						<b>Version Comments</b>						
						Timely replacement of the Shop air compressor allows for the continuing operation of the apparatus division. All mechanical equipment has a finite lifespan. Extending this unit passed 20 years is not recommended as cost involved for unplanned interruption in service is not economical. New screw compressors are a quieter running unit much closer to the 80 dB range as required by the city standard and much more efficient than the old piston style which is currently in service.						
<b>Project Detailed Forecast</b>												
<b>GL Account</b>		<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>												
5110	Machinery & Equipment - TCA	0	25,000	0	0	0	0	0	0	0	0	25,000
Total		0	25,000	0	0	0	0	0	0	0	0	25,000
<b>Revenues</b>												
221	Service Sustainability Investm	0	25,000	0	0	0	0	0	0	0	0	25,000
Total		0	25,000	0	0	0	0	0	0	0	0	25,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2018	July 1, 2024	Growth: 0.0 % Maintenance: 0.0 %	Brent Paisley/Deputy Fire Chief Jonathan Wilker	2024





# Project Version Summary

<b>Project #</b>	FRS-006-18	<b>Service Area</b>	Legal & Legislative Services
<b>Budget Year</b>	2023	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Support Services
<b>Title</b>	Hoist Replacement		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

Fire & Rescue Apparatus Division is requesting funding to replace heavy hydraulic hoist capable of lifting large fire vehicles. Currently, Apparatus division operates with two heavy hydraulic hoists one of which allows for lifting capacity of 80,000 lbs. The second hoist, requiring replacement, is a smaller hoist that has total lifting capacity of 50,000 lbs. This one was originally installed in 1974 and is past its useful life. This smaller hoist is normally used for fire truck vehicles such as pumpers and rescue's but also for special operation vehicles such as hazmat and command units.

**Version Description**

The maintenance of this hoist has become extensive and is reaching the point of being non-serviceable due to cylinder scoring and pitting. Rusting of certain panels has made it necessary to cut them out to allow the hoists post to move up and down. Parts are not readily available or have been discontinued requiring fabrication and extra costs to repair. This is creating gaps in service when the hoist is down until parts are found or made. The current aging hoist is no longer compatible with the fleet; the head section which makes contact with the underside of the vehicle is not adjustable making the safe lifting of some of WFRS' units impossible. The new hoist today has many added functionalities. For example, a new hoist has multi safety locking elevations creating a more ergonomic friendly position for the mechanic, while the old hoist has one safety lock at its fully extended position.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
	Timely replacement of the hoist would facilitate safer and quicker lifting of our units for maintenance and inspection. As stated earlier, this hoist is very quickly becoming unserviceable.

<b>Project Detailed Forecast</b>		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5110	Machinery & Equipment - TCA	0	0	0	0	0	240,000	60,000	0	0	0	300,000
	Total	0	0	0	0	0	240,000	60,000	0	0	0	300,000
<b>Revenues</b>												
221	Service Sustainability Investm	0	0	0	0	0	240,000	60,000	0	0	0	300,000
	Total	0	0	0	0	0	240,000	60,000	0	0	0	300,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2018	July 1, 2028	Growth: 0.0 % Maintenance: 0.0 %	Brent Paisley/Deputy Fire Chief Jonathan Wilker	2029



# Project Version Summary

<b>Project #</b>	LGL-001-22	<b>Service Area</b>	Legal & Legislative Services
<b>Budget Year</b>	2023	<b>Department</b>	Legal Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Legal Services & Real Estate
<b>Title</b>	Confidential Legal Matter (In-Camera)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>																							
<b>Version Description</b>																							
<b>Project Comments/Reference</b>						<b>Version Comments</b>																	
7221036																							
<b>Project Detailed Forecast</b>																							
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>												
<b>Expenses</b>																							
2920 Legal Services	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	0 13,500,000												
Total	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	0 13,500,000												
<b>Revenues</b>																							
169 Pay As You Go - Capital Reserve	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	0 13,500,000												
Total	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	0 13,500,000												
<b>Related Projects</b>			<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>																
			<table border="1"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Revenue</th> </tr> <tr> <th>Year</th> <th>Total Expense</th> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr> <td>2022</td> <td>1,500,000</td> <td>1,500,000</td> <td>0</td> </tr> </tbody> </table>						Revenue		Year	Total Expense	Net City Cost	Subsidies	2022	1,500,000	1,500,000	0					
		Revenue																					
Year	Total Expense	Net City Cost	Subsidies																				
2022	1,500,000	1,500,000	0																				
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>			<b>Est. Completion Date</b>																	

2022		Growth: 100.0 % Maintenance: 0.0 %	TBD	TBD`
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# Project Version Summary

<b>Project #</b>	LGL-002-16	<b>Service Area</b>	Legal & Legislative Services
<b>Budget Year</b>	2023	<b>Department</b>	Legal Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Legal Services & Real Estate
<b>Title</b>	Environmentally Significant Lands Acquisition Placeholder		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>	Ward 1		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	In accordance with B68-2015, Council approved the "Proposed 2016 Enhanced Capital Budget" in the form of placeholder allocations in the budget with reports to BE PREPARED for Council's consideration.
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<b>Version Description</b>	
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
7182016	

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5210 Land Acquisition	0	0	0	0	0	1,500,000	0	0	0	0	1,500,000
Total	0	0	0	0	0	1,500,000	0	0	0	0	1,500,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	1,500,000	0	0	0	0	1,500,000
Total	0	0	0	0	0	1,500,000	0	0	0	0	1,500,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>	<b>Operating Budget Impact</b>										
	<table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">Total Expense</th> <th colspan="2">Revenue</th> </tr> <tr> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr> <td>2020</td> <td>1,500,000</td> <td>1,500,000</td> <td>0</td> </tr> </tbody> </table>	Year	Total Expense	Revenue		Net City Cost	Subsidies	2020	1,500,000	1,500,000	0	
Year	Total Expense			Revenue								
		Net City Cost	Subsidies									
2020	1,500,000	1,500,000	0									

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2016		Growth: 0.0 % Maintenance: 0.0 %	Frank Scarfone	Unknown`
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# Project Version Summary

<b>Project #</b>	LGL-002-17	<b>Service Area</b>	Legal & Legislative Services
<b>Budget Year</b>	2023	<b>Department</b>	Legal Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Legal Services & Real Estate
<b>Title</b>	Demolition of Transitional Buildings		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	2017 (Active)		

<b>Project Description</b>	Part of the Transitional Buildings portfolio includes properties that have been vested to the City that had not sold at the various property tax sales. Some of these properties are unfit to occupy or in such a poor state that the cost to repair would exceed the market value of the property as improved.
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<b>Version Description</b>	The Real Estate Division will be bringing forward reports for the demolition of various transitional properties currently under the Transitional Buildings portfolio. These include properties that were vested to the City prior to 2017 that need to be demolished. The Real Estate Division requests placeholder funding of \$100,000 for 2031. Carrying properties in poor condition for a prolonged period has reputation risks for the City. These properties also require maintenance and security. Administration may propose to fund this project with some of the demolition costs from the eventual sale of these properties. However, the amount of sale proceeds are unclear given the prolonged time frame of their demolition.
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
7222001	

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	100,000	100,000	0	0	100,000	100,000	100,000	100,000	0	600,000
Total	0	100,000	100,000	0	0	100,000	100,000	100,000	100,000	0	600,000
<b>Revenues</b>											
221 Service Sustainability Investm	0	100,000	100,000	0	0	100,000	100,000	100,000	100,000	0	600,000
Total	0	100,000	100,000	0	0	100,000	100,000	100,000	100,000	0	600,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2022	60,000	60,000	0				
					No Operating Budget Impact				
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2017	January 1, 2024	Growth: 0.0 % Maintenance: 0.0 %		Frank Scarfone	Ongoing`				





# Project Version Summary

<b>Project #</b>	LGL-001-20	<b>Service Area</b>	Legal & Legislative Services
<b>Budget Year</b>	2023	<b>Department</b>	Legal Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	POA, Purchasing & Risk Management
<b>Title</b>	Provincial Offences Division Renovations 350 City Hall		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	Ward 3		
<b>Version Name</b>	Main (Active)		

**Project Description**

The Provincial Offences Division requires renovations to 350 City Hall should Council decide they are to operate there. Since the Westcourt Building Fire in November 2019, POA was forced to relocate operations to 350 in order to provide a service level to the public. However, renovations to 350 are needed for POA to maintain service levels on a permanent basis.

**Version Description**

\$3,734,000 is the Base Cost for the detailed design and construction of the building renovations at the 350 / 400 City Hall Square Campus to accommodate the Permanent Relocation of the Provincial Offences Program

Base Cost, inclusive of financing costs, will be recovered over the next approximate 12 years through the transfer of annual operational funding in the amount of at least \$316,000 from POA's lease budget which is no longer required for the Westcourt location.

Opened per Sept. 28 In-Camera Report a CR # of CR483/2020.

Project Comments/Reference	Version Comments
7209011	

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5410	Construction Contracts - TCA	316,000	316,000	316,000	316,000	316,000	316,000	316,000	316,000	316,000	258,000	3,102,000
	Total	316,000	316,000	316,000	316,000	316,000	316,000	316,000	316,000	316,000	258,000	3,102,000
<b>Revenues</b>												
7055	TRANSFER From Current Funds	316,000	316,000	316,000	316,000	316,000	316,000	316,000	316,000	316,000	258,000	3,102,000
	Total	316,000	316,000	316,000	316,000	316,000	316,000	316,000	316,000	316,000	258,000	3,102,000

Related Projects		Historical Approved Budget			Operating Budget Impact														
			<table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">Total Expense</th> <th colspan="2">Revenue</th> </tr> <tr> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr> <td>2021</td> <td>316,000</td> <td>0</td> <td>316,000</td> </tr> <tr> <td>2022</td> <td>316,000</td> <td>0</td> <td>316,000</td> </tr> </tbody> </table>		Year	Total Expense	Revenue		Net City Cost	Subsidies	2021	316,000	0	316,000	2022	316,000	0	316,000	
Year	Total Expense	Revenue																	
		Net City Cost	Subsidies																
2021	316,000	0	316,000																
2022	316,000	0	316,000																
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date															
2020		Growth: 100.0 % Maintenance: 0.0 %	Melissa Ryan	2032															

# **2023 Approved Capital Budget**



## **Capital Project Summaries**

**Office of the Commissioner of Corporate Services**



# Project Version Summary

<b>Project #</b>	ECB-044-18	<b>Service Area</b>	Corporate Services
<b>Budget Year</b>	2023	<b>Department</b>	Asset Planning
<b>Asset Type</b>	Unassigned	<b>Division</b>	Asset Planning
<b>Title</b>	Financing Charges		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 On Tues. Jan. 16th, 2018, City Council approved the 2018 Enhanced Capital Budget Plan for a number of specific projects in the form of placeholder allocations subject to detailed reports to be prepared for Council's consideration.

**Version Description**

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7145005	COMMITMENT: CR4/2019 - C 217/2018: 2023 F169 \$75,000

<b>Project Detailed Forecast</b>												
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total	
<b>Expenses</b>												
4530 Temporary Financing Costs	75,000	0	0	0	0	0	0	0	0	0	75,000	
Total	75,000	0	0	0	0	0	0	0	0	0	75,000	
<b>Revenues</b>												
169CF Committed Funding	75,000	0	0	0	0	0	0	0	0	0	75,000	
Total	75,000	0	0	0	0	0	0	0	0	0	75,000	

<b>Related Projects</b>	<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>			
			<b>Revenue</b>					
	<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>				
	2018	20,000	20,000	0				
	2020	64,000	64,000	0				

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2018	January 1, 2018	Growth: 100.0 % Maintenance: 0.0 %	Mike Dennis	TBD`
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# Project Version Summary

<b>Project #</b>	FIN-001-17	<b>Service Area</b>	Corporate Services
<b>Budget Year</b>	2023	<b>Department</b>	Asset Planning
<b>Asset Type</b>	Unassigned	<b>Division</b>	Asset Planning
<b>Title</b>	Asset Planning Service Design and Implementation		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	This funding is to ensure completion of several projects currently in development including the 20-year life cycle costing models for City of Windsor assets.
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<b>Version Description</b>	
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
7131117	

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
2915 Consulting Services - External	520,000	0	0	0	250,000	150,000	400,000	150,000	0	0	1,470,000
Total	520,000	0	0	0	250,000	150,000	400,000	150,000	0	0	1,470,000
<b>Revenues</b>											
028 Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
169 Pay As You Go - Capital Reserve	0	0	0	0	250,000	150,000	400,000	150,000	0	0	950,000
221 Service Sustainability Investm	520,000	0	0	0	0	0	0	0	0	0	520,000
Total	520,000	0	0	0	250,000	150,000	400,000	150,000	0	0	1,470,000

Related Projects		Historical Approved Budget			Operating Budget Impact															
		<table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">Total Expense</th> <th colspan="2">Revenue</th> </tr> <tr> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr> <td>2017</td> <td>110,000</td> <td>110,000</td> <td>0</td> </tr> <tr> <td>2020</td> <td>547,000</td> <td>547,000</td> <td>0</td> </tr> </tbody> </table>			Year	Total Expense	Revenue		Net City Cost	Subsidies	2017	110,000	110,000	0	2020	547,000	547,000	0		
Year	Total Expense	Revenue																		
		Net City Cost	Subsidies																	
2017	110,000	110,000	0																	
2020	547,000	547,000	0																	
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date																
2017	January 1, 2017	Growth: 0.0 % Maintenance: 100.0 %	Natasha Gabbana	Ongoing`																



# Project Version Summary

<b>Project #</b>	FIN-001-19	<b>Service Area</b>	Corporate Services
<b>Budget Year</b>	2023	<b>Department</b>	Asset Planning
<b>Asset Type</b>	Unassigned	<b>Division</b>	Asset Planning
<b>Title</b>	Grant Matching Funding and Mitigating Inflationary Pressures		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	Project funding recommended to address capital project inflationary pressures and provide additional funding needed for the City's matching contributions for grant funding, if needed.
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<b>Version Description</b>	This funding will assist with addressing matching funding requirements for grants which do not have enough funding to meet the matching requirements. This will also assist in expediting the grant approval process as the DOA 3.25 requirements for approval of grants could be met confirming municipal funding is in place. The project will also assist to mitigate against tender pricing increases, after exhausting all other options to mitigate any variance. Use of the funds for grants will be reported to City Council through the annual DOA report and use of the funds for mitigating inflationary pressures will be reported through the semi-annual Capital Variance report.
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
7191009	

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	1,037,751	913,253	250,000	300,000	2,750,000	1,000,000	1,471,665	1,475,000	1,200,000	0	10,397,669
Total	1,037,751	913,253	250,000	300,000	2,750,000	1,000,000	1,471,665	1,475,000	1,200,000	0	10,397,669
<b>Revenues</b>											
028 Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
153 Sewer Surcharge	1,037,751	713,253	0	0	2,000,000	1,000,000	1,000,000	1,000,000	900,000	0	7,651,004
169 Pay As You Go - Capital Reserve	0	200,000	250,000	300,000	750,000	0	471,665	475,000	300,000	0	2,746,665
221 Service Sustainability Investm	0	0	0	0	0	0	0	0	0	0	0
Total	1,037,751	913,253	250,000	300,000	2,750,000	1,000,000	1,471,665	1,475,000	1,200,000	0	10,397,669



Related Projects		Historical Approved Budget			Operating Budget Impact
			<b>Revenue</b>		
		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>
		2019	215,000	215,000	0
		2020	1,176,000	1,176,000	0
		2021	1,087,751	1,087,751	0
		2022	287,751	287,751	0
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date	
2019	January 1, 2019	Growth: 100.0 % Maintenance: 0.0 %	Natasha Gabbana	Ongoing`	



# Project Version Summary

<b>Project #</b>	FIN-001-23	<b>Service Area</b>	Corporate Services
<b>Budget Year</b>	2023	<b>Department</b>	Asset Planning
<b>Asset Type</b>		<b>Division</b>	Asset Planning
<b>Title</b>	Corporate Inflation Mitigation		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	Funding allocated to this project will be used to address additional funding required in other projects due to inflation.
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<b>Version Description</b>	Allocation of these funds will be approved by the Chief Administrative Officer, subject to review of the CFO / City Treasurer. All allocations of funding will be reported to Council via the semi-annual capital variance report.
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
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<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	1,265,000	574,388	999,630	2,662,355	9,498,627	0	0	0	0	0	15,000,000
Total	1,265,000	574,388	999,630	2,662,355	9,498,627	0	0	0	0	0	15,000,000
<b>Revenues</b>											
028 Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
153 Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
153CF Committed Funding	1,265,000	574,388	999,630	764,939	1,396,043	0	0	0	0	0	5,000,000
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
169CF Committed Funding	0	0	0	1,897,416	3,102,584	0	0	0	0	0	5,000,000
221 Service Sustainability Investm	0	0	0	0	0	0	0	0	0	0	0
221CF Committed Funding	0	0	0	0	5,000,000	0	0	0	0	0	5,000,000
Total	1,265,000	574,388	999,630	2,662,355	9,498,627	0	0	0	0	0	15,000,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2023		Growth: 0.0 % Maintenance: 100.0 %	Joe Mancina	TBD`



# Project Version Summary

<b>Project #</b>	FIN-004-18	<b>Service Area</b>	Corporate Services
<b>Budget Year</b>	2023	<b>Department</b>	Asset Planning
<b>Asset Type</b>	Unassigned	<b>Division</b>	Asset Planning
<b>Title</b>	Enterprise Wide Energy Management System Software		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

## Project Description

Centralized and common support for the development and installation of an energy management system throughout the City of Windsor's many properties and buildings brings an enhanced means of addressing shared issues. This includes joining and leveraging similar projects for overall capital cost savings, and bettering communication and transparency concerning energy asset management throughout the Corporation.

Because energy data is currently received at regular billing intervals, heightened consumption is ordinarily observed between thirty and forty-five days following an event. Daily monitoring enabled by an integrated monitoring system can prevent the persistence of increased consumption and cost by alerting Energy Initiatives to respond to anomalies in individual equipment use and a facility's power quality, which can prolong the life of motors, pumps, compressors, and other systems throughout the Corporation.

For power generation and energy infrastructure projects, improved technical collaboration among the City of Windsor and stakeholders in Windsor's energy supply (EnWin Utilities, District Energy Windsor, and Union Gas) are capable of delivering added value by marrying individual efforts for more impactful and cost-effective projects. Facilitating this cooperation and the development of an integrated energy management system requires a dedicated individual to liaise between the City of Windsor's Asset Planning, Facilities, and Information Technology (I.T.) departments toward establishing its fundamental elements of hardware, software, and infrastructure including distributed sub-metering and building automation systems. It further involves coordinating process changes both internally and at Windsor's utilities for the real-time collection and transmission of electricity, natural gas, and district energy consumption data.

## Version Description

## Project Comments/Reference

## Version Comments

## Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	0	0	0	0	0	300,000	0	0	300,000
Total	0	0	0	0	0	0	0	300,000	0	0	300,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	300,000	0	0	300,000
Total	0	0	0	0	0	0	0	300,000	0	0	300,000

Related Projects		Historical Approved Budget		Operating Budget Impact	
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date	
				Effective Date Unknown	Exp/(Rev) FTE Impact
				Description	0 0
				Ongoing Maintenance	
2018	October 1, 2020	Growth: 0.0 % Maintenance: 0.0 %	Sergio Grando/Cole Nadalin	TBD`	



# Project Version Summary

<b>Project #</b>	FIN-009-15	<b>Service Area</b>	Corporate Services
<b>Budget Year</b>	2023	<b>Department</b>	Asset Planning
<b>Asset Type</b>	Unassigned	<b>Division</b>	Asset Planning
<b>Title</b>	Capital Reserve Replenishment Allocation		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Capital Reserve Replenishment		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	As per Council's previous directions relative to ensuring long term financial stability, and to ensure that the City's cash balances are sufficient to self finance capital projects without the need to resort to a high cost of external borrowing, funding is being allocated to replenish and bolster reserves. These allocations are also meant to provide liquidity that could be accessed to fund unfunded or unexpected costs such as settlements of significant legal claims or significant retroactive payments relating to major property tax appeals.											
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<b>Version Description</b>												
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<b>Project Comments/Reference</b>							<b>Version Comments</b>						
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<b>Project Detailed Forecast</b>												
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total	
<b>Expenses</b>												
4248 TRANSFER to Reserve Account	1,670,000	1,670,000	1,670,000	1,670,000	1,670,000	1,710,000	1,710,000	1,710,000	1,710,000	3,210,000	18,400,000	
Total	1,670,000	1,670,000	1,670,000	1,670,000	1,670,000	1,710,000	1,710,000	1,710,000	1,710,000	3,210,000	18,400,000	
<b>Revenues</b>												
169 Pay As You Go - Capital Reserve	1,670,000	1,670,000	1,670,000	1,670,000	1,670,000	1,710,000	1,710,000	1,710,000	1,710,000	3,210,000	18,400,000	
Total	1,670,000	1,670,000	1,670,000	1,670,000	1,670,000	1,710,000	1,710,000	1,710,000	1,710,000	3,210,000	18,400,000	

Related Projects		Historical Approved Budget				Operating Budget Impact			
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2016	3,210,000	3,210,000	0				
		2017	3,210,000	3,210,000	0				
		2018	3,210,000	3,210,000	0				
		2019	3,210,000	3,210,000	0				
		2020	3,210,000	3,210,000	0				
		2021	3,450,000	3,450,000	0				
		2022	1,670,000	1,670,000	0				
Year Identified	Start Date	Project Type for 2023		Project Lead		Est. Completion Date			
2015	January 1, 2016	Growth: 100.0 % Maintenance: 0.0 %		Mike Dennis		TBD`			



# Project Version Summary

<b>Project #</b>	FIN-001-14	<b>Service Area</b>	Corporate Services
<b>Budget Year</b>	2023	<b>Department</b>	Finance
<b>Asset Type</b>	Unassigned	<b>Division</b>	Financial Planning
<b>Title</b>	Development Charges Study and Bylaw Update		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	To update Development Charges Study and Bylaw every 5 years, as per the Development Charges Act.
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<b>Version Description</b>	The City-wide DC Background Study & Bylaw requires updating every 5 years and was last updated in 2020.
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
(Closed: 7142002)/7183004	

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	50,000	50,000	0	0	0	60,000	60,000	0	0	220,000
Total	0	50,000	50,000	0	0	0	60,000	60,000	0	0	220,000
<b>Revenues</b>											
121 Dev Chg - General	0	0	0	0	0	0	0	0	0	0	0
169 Pay As You Go - Capital Reserve	0	50,000	50,000	0	0	0	60,000	60,000	0	0	220,000
Total	0	50,000	50,000	0	0	0	60,000	60,000	0	0	220,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>		
	<u>Year</u>	<u>Total Expense</u>	<u>Revenue</u> <u>Net City Cost</u>	<u>Subsidies</u>	<u>Effective Date</u>	<u>Unknown</u>	<u>Exp/(Rev) FTE Impact</u>
	2014	40,000	40,000	0			0 0
	2015	40,000	40,000	0			
	2018	120,000	120,000	0			
	2019	40,000	40,000	0			
	2020	40,000	40,000	0			
	Description: No Operating Budget Impact						



<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2016	January 1, 2018	Growth: 0.0 % Maintenance: 0.0 %	Tony Ardovini	Ongoing`



## Project Version Summary

<b>Project #</b>	HCP-001-07	<b>Service Area</b>	Corporate Services
<b>Budget Year</b>	2023	<b>Department</b>	Human Resources
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Human Resources
<b>Title</b>	Accessibility - ODA Compliance		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

On September 25, 2006, City Council approved CR463/2006 concerning capital project 7035138 in which it confirmed the policy of the City of Windsor to support the removal of barriers for people with disabilities in corporate departments as prioritized by the Windsor Accessibility Advisory Committee.

In addition, CR463/2006 approved the dedication of \$50,000 per year for the removal of non-built environment barriers (this portion focuses on items such as sign language interpreters, translations to more accessible formats etc.). Up to \$50,000 annually can be allocated for such purposes and any portion of the yearly \$50,000 that is not utilized rolls over to be available for built environment initiatives in future years.

### Version Description

This Capital project provides financial support for corporate departments to identify and provide a process to remove accessibility barriers in City properties and facilities. Departments may bring a funding application to the Windsor Accessibility Advisory Committee and the Committee makes recommendations regarding the approval of the funding applications.

This Capital project is prioritized and administered by the Windsor Accessibility Advisory Committee (WAAC) to ensure that funding for projects to remove barriers has been reviewed by and prioritized by people with disabilities. Adequate and ongoing funding to this fund ensures that accessibility barriers to both the built and non-built environment can be adequately addressed and that the process ensure persons with disabilities are involved in the decision-making process.

Project Comments/Reference	Version Comments
7035138 closed/7086008	<p>This Capital project has been extremely valuable to address the needs of Departments and our customers that go above and beyond the AODA requirements. The AODA is meant to be a proactive tool so that organizations meet certain accessibility standards but retrofits are not required under the legislation. Customers can still request improvements above and beyond the AODA and if organizations do not address reasonable requests they can face potential Human Rights complaints. This fund allows our City Departments to identify projects that fall in this gap and will offer accessibility enhancements that will then undergo the review of our Accessibility Advisory Committee to determine the projects that most meet the needs of our community.</p> <p>This project has allowed for some wonderful community projects that have greatly improved accessibility of our Corporate services and facilities over the years. Just a handful of wonderful projects this Capital Project has helped to fund :</p> <ul style="list-style-type: none"> <li>• Accessible beach mats and 2 accessible floating Mobi Chairs at Sandpoint beach,</li> <li>• Hydraulic lift adult change tables at a number of facilities across the City,</li> <li>• Ceiling lifts, Hoyer power advanced portable lifts and also pool lifts,</li> <li>• Water wheelchairs and accessible floatation devices,</li> <li>• Additional audible pedestrian signals in key areas identified to meet community needs</li> <li>• Additional accessible door actuators in identified facilities</li> <li>• Accessible outdoor fitness equipment</li> <li>• Lower customer service counters</li> <li>• Accessible sign enhancements at a number of facilities</li> <li>• Accessible washroom and accessible change room upgrades at key identified facilities</li> </ul>

Project Detailed Forecast											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	50,000	50,000	50,000	50,000	0	0	250,000	0	0	450,000
Total	0	50,000	50,000	50,000	50,000	0	0	250,000	0	0	450,000
<b>Revenues</b>											
160 Capital Expenditure Reserve	0	50,000	50,000	50,000	50,000	0	0	250,000	0	0	450,000
Total	0	50,000	50,000	50,000	50,000	0	0	250,000	0	0	450,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2007	100,000	100,000	0				
		2008	100,000	100,000	0				
		2009	300,000	300,000	0				
		2010	300,000	300,000	0				
		2014	100,000	100,000	0				
		2015	100,000	100,000	0				
		2020	100,000	100,000	0				
		2021	100,000	100,000	0				
		2022	100,000	100,000	0				
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2007	January 1, 2015	Growth: 0.0 % Maintenance: 0.0 %		Gayle Jones	Ongoing`				



## Project Version Summary

<b>Project #</b>	HRS-001-19	<b>Service Area</b>	Corporate Services
<b>Budget Year</b>	2023	<b>Department</b>	Human Resources
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Human Resources
<b>Title</b>	Diversity and Inclusion Initiative (Phases 1 and 2)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

The Mayor and City Council remain dedicated to continually taking steps to learn and grow as a community and they recognize that our diversity adds to our strength and creates an important opportunity for fostering understanding, acceptance, and innovation.

This Diversity and Inclusion Initiative is the next proactive step to provide a detailed review and measurable plan to further enhance our efforts. Its purpose is to proactively address the every changing unique wants and needs of our diverse community and strive to attract and retain an innovative, talented, and diverse workforce with the needed skills, experience and dedication to excellence. This initiative is yet another tool to help shape our future in a direction that complements our 20 year strategic vision.

**Version Description**

City Council Decision CR361/2018 approved the City of Windsor’s Diversity and Inclusion Initiative, authorized Administration to distribute a Workforce Census to staff, provided funding in the amount of \$62,800 from the Budget Stabilization Reserve Account to cover budget needs for the remainder of 2018, directed Administration to bring forward future costing requirements as it relates to the Diversity and Inclusion initiative for Council’s consideration at future Capital Budget periods. As this is a multi-year Initiative, sufficient, additional, ongoing funding throughout the duration of the Initiative is needed to ensure that all of the endorsed Goals, Objectives and Action Items are all appropriately addressed. The majority of the Action items outlined for phase one of the initiative are underway and others have been completed. Some of the highlights of the Initiative thus far are the roll out of the results of the first corporate workforce Census, a communication campaign, implementation of an Internal Diversity Committee, called the Inclusive Action Network, as well as a number of Employee Resource Groups. The intent of these groups is to utilize the ideas and experiences of our diverse employees to help find effective, workable solutions to issues, while providing a space for those employees to feel more engaged with and connected to the company. To date, with the guidance and assistance of these groups, we have created a corporate Diversity Calendar, successfully implemented Video remote interpreting at numerous customer service areas, rolled out a variety of staff training, and conducted events to bring together employees to learn about diversity (Topics have included, Black history month, Women’s history month, LGBTQ+ film festival, Mental Health awareness, Intergenerational trivia, Invisible disabilities panel discussion, Canada day trivia, Brain injury awareness, and Indigenous documentaries).

There are seven (7) essential areas to the requirements of the Diversity and Inclusion Initiative: enhanced training, effective communication, leveraging technology , inclusion campaign, community outreach, efficient project administration, departmental needs .It has been identified that effectively addressing each of these 7 areas is essential to fulfilling the measurable Goals, Objectives and Action Items in this initial phase of the Initiative.

Phase Two (Community outreach) is currently in the final stages before roll out. A great deal of work went into creating a thorough RFP to seek an experienced consultant with lived experience to assist with an Anti-Racism and Anti Discrimination consultation and action plan for the Corporation and community. The purpose of the consultation is to facilitate a better understanding of the issues, challenges, systemic barriers, and discrimination experienced by a variety of groups including Indigenous Peoples, Black people, Racialized people and other equity-deserving communities including, diverse faith communities, persons living with disabilities, culturally diverse communities, women, and the 2SLGBTQIA+ communities, the Corporation is embarking on a process of discovery, driven by a thorough consultation process, designed to engage a broad range of diverse residents, community leaders, organizations, and staff to solicit feedback for the purpose of identifying those systemic barriers and issues that prevent all members of the community from fully participating and enjoying all that their community has to offer. The selected proponent will design and deploy a range of community-based engagement tools/methods with the purpose of engaging diverse residents and staff and identifying issues, barriers, gaps, challenges, and opportunities. After the broad consultation, the proponent will work with city administration and a small group of key members of the above noted communities to review the summarized findings, prioritize, and identify the most salient issues, barriers, gaps, opportunities and best practices. This review and feedback will be used by the proponent to help craft a relevant and responsive Anti-Racism/Anti-Discrimination Strategy including goals, recommendations and actionable initiatives.

Given that the Diversity and Inclusion Initiative is a key component of the risk mitigation strategies tied to 4 of the identified Enterprise risks, this program is as a key priority for the Corporation and includes risks to Attraction & Retention; Socio-Cultural; Portrayal and Organizational Culture.

Project Comments/Reference	Version Comments
7192002	

Project Detailed Forecast											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
2915 Consulting Services - External	50,000	30,000	0	0	0	0	0	0	0	0	80,000
Total	50,000	30,000	0	0	0	0	0	0	0	0	80,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	50,000	30,000	0	0	0	0	0	0	0	0	80,000
Total	50,000	30,000	0	0	0	0	0	0	0	0	80,000

Related Projects		Historical Approved Budget			Operating Budget Impact					
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE	Impact
				Net City Cost	Subsidies					
		2019	120,000	120,000	0			0	0	
		2020	120,000	120,000	0					
		2022	50,000	50,000	0					
		<p><b>Description</b></p> <p>Corporate Inclusion</p> <p>Through the several types of risk assessments conducted at the City of Windsor, mitigation strategies have been identified to help reduce significant and critical risks to a tolerable level. The Diversity and Inclusion Initiative is a key component of the risk mitigation strategies tied to 4 of the identified Enterprise risks: 1. Attraction &amp; Retention - Making job descriptions more flexible to ensure top candidates are not unnecessarily deemed unqualified 2. Socio-Cultural - Targeting a wider demographic through implementation of Diversity Plan 3. Portrayal - Promoting a positive message about the City, its livability and opportunities 4. Organizational Culture - Undertake targeted audits aimed at resolving cultural and organizational issues in various work areas</p>								
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date					
2019	June 18, 2018	Growth: 100.0 % Maintenance: 0.0 %		Gayle Jones	2024`					



## Project Version Summary

<b>Project #</b>	HRS-002-17	<b>Service Area</b>	Corporate Services
<b>Budget Year</b>	2023	<b>Department</b>	Human Resources
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Human Resources
<b>Title</b>	Corporate Ergonomic Equipment		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

In order to move into a more proactive approach towards ergonomics, in 2016 Human Resources, with the endorsement of the Chief Administrative Officer, the Corporate Leadership Team and City Council, moved away from the third party contracted service for the completion of ergonomic assessments and wellness programming to the establishment of an in-house ergonomist and wellness specialist.

As part of our proactive approach and ongoing commitment to our employees well being, inclusive of cost reductions, a Musculoskeletal Prevention Program has been put in place to address ergonomic issues arising from Ministry of Labour orders, WSIB Claims, new work processes, legislative changes and requirements for the Corporation.

The enforcement of ergonomics by the Ministry of Labour has typically been under the general duty clause of Section 25(2)(h) and Section 25 (2)(d), employers' duty to acquaint their workers with hazards of the Occupational Health and Safety Act (OHSA). In addition, orders are issued under various related regulatory requirements, such as safe handling of materials under the Industrial Establishments Section 45 and provision of adequate lighting under Section 21.

With approved funding, this project will assist to enhance the Musculoskeletal Prevention Program and enable us to move towards continuous improvement by funding opportunities that may arise related to new ergonomic research, initiatives and leading technologies being made available.



**Version Description**

The hazards that can cause musculoskeletal concerns are usually associated with the physical demands of work activities. For example, employees may injure themselves by:

- Lifting or pushing loads that require excessive force;
- Reaching or bending in an awkward posture;
- Holding the same position for a long time; or
- Repeating the same movements over and over with little chance for rest or recovery.

Through the application of ergonomics principles, the risk of injury posed by such hazards can be eliminated or reduced. The implementation of our corporate Musculoskeletal Prevention Program, aims to provide a plan for overall prevention, accommodation and accident/incident reduction for our employees to result in a robust and well round Health, Safety and Wellness Program. To date a Musculoskeletal Disorder Prevention Program Procedure has been put in place along with an on-line Injury Prevention training program, the latter of which provides specific detail on safe guarding workers from ergonomic-type injuries.

The current program includes the following aspects:

- an MSD Prevention Program Framework
- employee education and training structure
- a process for Ergonomic Risk Assessment requests

Moving our Musculoskeletal Prevention Program forward, we foresee using the request of \$35,000 to assist with covering such expenses as:

- Purchase of ergonomic equipment, software and appropriate tools to continue completing our ergonomic assessments in house as required
- Purchase of ergonomic equipment and tools for our Corporate Training room to accommodate employees' needs
- Purchase of training programs to assist with implementing specific training to the different areas of work undertaken by workers of the Corporation where our injury statics demonstrate higher rates of MSD injuries.

**Project Comments/Reference**

This project represents the Corporation's ongoing commitment to ensure the Corporations health & safety standards and plans are functioning properly. With the implementation of our robust Musculoskeletal Prevention Program, actions have been taken to proactively work towards reducing workplace injury risk and lowering our WSIB claims and STD and LTD costs.

**Version Comments**

**Project Detailed Forecast**

<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5110 Machinery & Equipment - TCA	0	35,000	0	0	0	0	0	0	0	0	35,000
Total	0	35,000	0	0	0	0	0	0	0	0	35,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	35,000	0	0	0	0	0	0	0	0	35,000
Total	0	35,000	0	0	0	0	0	0	0	0	35,000

Related Projects		Historical Approved Budget		Operating Budget Impact	
				<b>Effective Date</b> Unknown <b>Description</b> No operating budget impact.	<b>Exp/(Rev) FTE Impact</b> 0 0
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date	
2017	January 1, 2020	Growth: 0.0 % Maintenance: 0.0 %	Julie Ryckman / Sarah Fox	Ongoing`	



## Project Version Summary

<b>Project #</b>	HRS-002-08	<b>Service Area</b>	Corporate Services
<b>Budget Year</b>	2023	<b>Department</b>	Human Resources
<b>Asset Type</b>	Unassigned	<b>Division</b>	Occupational H&S & Wellness
<b>Title</b>	Corporate Health and Safety Program - Assessments		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

This project was created to fund health and safety issues arising from Ministry of Labour orders, new work processes, legislative changes and requirements for the Corporation. Over the past several years, the Ministry of Labour and the Workplace Safety and Insurance Board have been much more proactive with companies who don't measure up to health & safety rules and regulations. The Ontario Ministry of Labour has made a commitment to audit and inspect every employer in Ontario. The Ministry is targeting all employers, starting with workplaces with poor health & safety records. Accordingly, the Ministry of Labour has hired and trained hundreds of new health & safety inspectors since 2004. The government is clearly determined to level the playing field for all companies and to penalize those organizations who are trying to gain an unfair advantage by ignoring health & safety.

Since March 31, 2004, new occupational health & safety duties and criminal liabilities added to the Criminal Code (in Bill C-45) affect both individuals and organizations in Canada. For the first time, both individuals and organizations (including directors, executives and managers) are under an increased obligation to take reasonable steps to protect workers and the public; they must ensure accountability for a safe work environment or the Corporation faces a heightened risk of additional orders, fines and penalties.

Given the size of the Corporation's workforce, the number of worksites, the range of types of work we undertake each day and our commitment to maintaining compliance with OHS reporting requirements, the MOL visits our sites on a continuous and proactive basis.

**Version Description**

The following are the types of health and safety issues which are commonly in need of addressing but without dedicated funding:

- assessments of indoor air quality concerns (i.e. humidity, confirmation of compliance on exposure limits), average cost \$1,500 per assessment
- industrial hygiene assessments for the presence of mould, average cost \$1,700 per assessment
- designated substance assessments to identify the presence and condition of any of these eleven substances, average cost \$ 800 to 1,000.00 depending upon the site
- engineering assessments for implementing engineering controls (i.e. retrofitting current equipment and developing specifications for purchases of new equipment) the costing for which varies due to factors such as the complexity of the equipment/process, the number of pieces of equipment affected, etc.

-In 2018, the Workplace Safety and Insurance Board conducted a Work Well Assessment for Transit Windsor. The results of this Assessment may require changes or new processes be implemented that have financial requirements.

-Each year the MOL conducts a number of targeted safety blitzes based on accident and injury data from Ontario Workplaces. An example of such a blitz is the annual Young Worker Safety blitz, which can include random site visits at worksites where our student lottery hires are deployed, and have the potential to result in orders to the Corporation if non-compliance is identified at any site. Achieving compliance with orders may require financial resources to undertake such items as training, purchase of equipment and/or personal protective equipment and hygiene testing.

Ministry of Labour blitzes scheduled in 2022 and 2023 are:

- Healthy workers in healthy workplaces – occupational disease
- Health care initiatives - Safe transition/transfer of care
- Industrial initiatives - Workplace violence in education, material handling strategy
- Specialized Professional Services Initiative - Respiratory protection (hygiene), asbestos in building structures (hygiene)

**Project Comments/Reference**

(Closed: 7091019 - Project funding of \$100,000 approved in 2009)  
 Active: 7081015  
 This project represents the Corporation's ongoing commitment to ensure the Corporation's health & safety standards and plans are functioning properly. Once testing and assessments are completed, the required changes, implementations, and safety standards must be accommodated which comes at a cost.

**Version Comments**

In 2012 a project was undertaken through an RFP process for the conducting of asbestos surveys and designated substance assessments over a 5 year period. Initially, 29 corporately-owned sites were prioritized making up the majority of the primary sites where our employees work. Having completed surveying of the 29 sites originally prioritized, we are moving on to complete surveys for the remaining sites which our employees attend, possibly on a less frequent basis; sites which may have only partial surveys; and newly acquired properties. As of August 2022, our records indicate the Corporation owns 198 properties. The cost of individual site surveys varies depending on such factors as the total square footage, number of renovations and year of build. As of the time of this report, 14 properties remain in need of surveying.

**Project Detailed Forecast**

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
2220 Maintenance Parts & Materials	0	0	0	0	0	0	0	117,250	0	0	117,250
Total	0	0	0	0	0	0	0	117,250	0	0	117,250
<b>Revenues</b>											
160 Capital Expenditure Reserve	0	0	0	0	0	0	0	117,250	0	0	117,250
Total	0	0	0	0	0	0	0	117,250	0	0	117,250

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2008	25,000	25,000	0				
		2009	100,000	100,000	0				
		2012	25,000	25,000	0				
		2013	10,000	0	10,000				
		2014	10,000	10,000	0				
		2015	10,000	10,000	0				
		2016	10,000	10,000	0				
		2017	10,000	10,000	0				
		2018	10,000	10,000	0				
		2019	10,000	10,000	0				
		2020	10,000	10,000	0				
		2021	10,000	10,000	0				
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>		<b>Est. Completion Date</b>			
2008	January 1, 2015	Growth: 0.0 % Maintenance: 0.0 %		Julie Ryckman		Ongoing`			

# **2023 Approved Capital Budget**



## **Capital Project Summaries**

**Office of the Commissioner of Human and Health Services**



## Project Version Summary

<b>Project #</b>	HCS-001-07	<b>Service Area</b>	Human & Health Services
<b>Budget Year</b>	2023	<b>Department</b>	Housing & Children's Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Housing Services
<b>Title</b>	City Housing Reserve Fund		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

Windsor and Essex County Social Housing units represent over 7,900 housing units in the region with an estimated value of \$500 million and yearly operating budgets of \$70 million. These units are a vital and valuable resource to the community. Many of the projects have been part of this community for many years, are aging and require significant renewal.

The Social Housing Reserve Fund was established in 2001 using the one-time transfer of \$2.4 million from the Ministry of Municipal Affairs and Housing (MMAH).

This fund was established "to cover the risks associated with future increases" in the social housing program. This includes the cost of capital repairs in the housing stock, to offset the impact of underfunded capital reserves, the impact of potential increases in interest rates, the impact of maturing mortgages and the impact of the legislated funding model. In the event that housing providers require emergency repairs and the provider has insufficient funds for the work, the fund can be accessed. This fund will also be accessed to deal with periodic building reviews, capital reserve fund studies and other capital planning activities and housing related initiatives. The current available balance of this fund after Council approved commitments is approximately \$2.28M as at July 31, 2022.

In early 2019, as part of the 2018 Year-end Operating Budget Variance Report, Council approved the establishment of a new Reserve Fund entitled the City Housing Reserve Fund. This fund was created to retain 100% City funded contributions for the purposes of funding future Social and Affordable Housing costs. The current available balance at July 31, 2022 is approximately \$3.024 M.

Prudent business practice would indicate that the service manager has a duty to ensure that funds are available to deal with both expected and unexpected events that arise within the social housing portfolio. In 2010, a total of \$294,000 (\$200,000 City) was transferred to the Social Housing Reserve fund. All requests for years after 2011 have not been recommended for approval and deferred to future years. The County of Essex would share approx. 35% of capital expenditures incurred based on the current arbitrated weighted assessment formula.

## Version Description

Housing Services is requesting a total allocation of approximately \$3 million net City in the year 2032.

In 2022, Housing Services requested a total allocation of \$3 million net City for the year 2031. The request was approved in principle.

In 2021, Housing Services requested a total allocation of \$3 million net City in each of the years 2028 to 2030. The approved amount was \$600 K net City for 2028-2030. Requests for allocations in each of the years 2024 – 2027 were not approved at the Finance Review stage.

Based on industry and MMAH originally established capital fund allowances, the current reserve fund balance is inadequate. It is expected that the future net capital requirements of the Windsor Essex social housing providers (including CHC) will be in excess of the capital funds currently held by providers. As such, the providers will (and have been) approaching the City for assistance. At present, it is estimated that total capital reserve fund balances held by Windsor Essex providers are approximately \$13M to \$14M. It should be noted that of the 34 housing providers, a number have little or no capital reserve balances and a large number would not have enough funding should a major capital repair be required. The extent of the capital asset repairs will continue to grow and affect overall building condition, poor building conditions lead to increased chances for loss/decommissioning of social housing units and increases the chances the City will not be in a position to meet their provincially mandated rent geared-to-income service level standards.

In June 2020, Housing Services released RFP 97-20 Social Housing Business Process and Asset Management Review funded under the Community Housing Renewal Strategy (CHRS) – Canada Ontario Community Housing Initiative (COCHI) program allocation. This RFP was undertaken to hire a consultant to conduct a fulsome review for the federal and social housing providers under the Housing Services Act, 2011. A portion of this work included asset management services, including building condition audits and assessments of significant building repairs required in the short, medium and long term. The contract, awarded to Pretium Engineering Inc., was completed in March 2022. The BCA's completed for 32 non-profit social housing providers (excluding Windsor Essex Community Housing Corporation) identified estimated capital needs over the next 30 years. The consultant's Rollup Report identified projected capital needs for the period 2022-2026 (5-year) of \$ 43.5 million. For the 2022-year, capital repair needs of \$12.6 million were identified. Of this amount \$3.8 million was deemed critical. Although there are some upper-level government funding streams such as the Canada Ontario Community Housing Initiative (COCHI) and the Ontario Priorities Housing Initiative (OPHI) the annual funding streams received under these programs does not adequately fund the required repairs resulting in a repair deficit that will require alternate funding sources. In fact, the average annual allocation under previous housing programs as compared to the allocation provided under COCHI and OPHI has been reduced annually at a time when housing affordability and pressures are at an all time high.

The City of Windsor has been allocated funding to assist with Social Housing repairs through a number of MMAH funded housing programs since 2016 as follows:  
2016 – Social Housing Apartment Retrofit Program (SHARP) - \$ 3.134 million – As part of the Province's Green Investment Fund (GIF) this funding supported retrofits in social housing high-rise apartment building of 150 units or more. Two social housing providers received SHARP funding (energy efficiency). Total units impacted by SHARP funding (buildings of 150 units or more) was 1444 (2 providers).

2017 - Social Housing Infrastructure Program (SHIP) - \$6.7 million - This funding assisted in the repair and retrofit of existing social housing stock to address capital needs, improve energy efficiency and reduce greenhouse gas emissions. Provider requests for this funding in 2016 from all Social Housing providers in Windsor/Essex (including CHC) exceeded \$ 21.1 million. Twenty-nine (29) social housing providers received SHIP funding.

2019 to 2028 - The Province of Ontario released the Community Housing Renewal Strategy (CHRS) a multi-year strategy representing three, three-year phased funding periods that complement the investments of the NHS. In May 2019, the City of Windsor received 3-year allocations under 2 new programs – Ontario Housing Priorities Initiative (OHPI) - \$7.0 M and Canada-Ontario Community Housing Initiative (COCHI) – \$4.4 M. This funding supports investment for repairs to existing social housing stock, new build capital funding to create affordable housing, Ontario Renovates funding to assist low-income homeowners with necessary upgrades and transitional support funding for housing providers based on the needs of the community. As part of this allocation, Housing Services released a Social Housing Repair Program (OR-SHRP) in each of the next three years (2019-2020, 2020-2021 and 2021-2022). Allocations were awarded on a priority basis to assist with the most urgent repairs/retrofits in Windsor/Essex. A total allocation of \$2.35 million (2019-2020) has been provided to 26 Housing Providers, \$2.7 million (2020-2021) has been allocated to 21 Housing Providers and \$850,000 (2021-2022) has been provided to 2 providers in Windsor/Essex. Housing Services is currently reviewing Housing Provider requests under the 2022-2023 OR-SHRP Program allocation of \$4.2 million.

Provider requests for these funding programs noted above have been significantly in excess of this senior government funding. Without an ongoing source of funding for capital projects to repair and maintain aging Windsor/Essex social housing infrastructure, providers will have an increasing difficulty in maintaining this much needed community resource.



<b>Project Comments/Reference</b>	<b>Version Comments</b>
7109003 (closed) City Housing Reserve Fund 216	Only the City of Windsor contributes to this project up front. The County of Essex will contribute their share as expenses occur. The Social Housing Reserve fund, at this point, only contains Provincial funds.

<b>Project Detailed Forecast</b>												
<b>GL Account</b>		<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>												
5410 Construction Contracts - TCA		1,250,000	0	0	0	0	600,000	600,000	600,000	3,000,000	3,000,000	9,050,000
	Total	1,250,000	0	0	0	0	600,000	600,000	600,000	3,000,000	3,000,000	9,050,000
<b>Revenues</b>												
169 Pay As You Go - Capital Reserve		1,250,000	0	0	0	0	600,000	600,000	600,000	3,000,000	3,000,000	9,050,000
	Total	1,250,000	0	0	0	0	600,000	600,000	600,000	3,000,000	3,000,000	9,050,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>	<b>Operating Budget Impact</b>																										
	<table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">Total Expense</th> <th colspan="2">Revenue</th> </tr> <tr> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr> <td>2010</td> <td>294,000</td> <td>200,000</td> <td>94,000</td> </tr> <tr> <td>2019</td> <td>1,000,000</td> <td>1,000,000</td> <td>0</td> </tr> <tr> <td>2022</td> <td>1,250,000</td> <td>1,250,000</td> <td>0</td> </tr> </tbody> </table>	Year	Total Expense	Revenue		Net City Cost	Subsidies	2010	294,000	200,000	94,000	2019	1,000,000	1,000,000	0	2022	1,250,000	1,250,000	0	<table border="1"> <thead> <tr> <th>Effective Date</th> <th>Unknown</th> <th>Exp/(Rev)</th> <th>FTE Impact</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Effective Date	Unknown	Exp/(Rev)	FTE Impact			0	0
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<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2007	January 1, 2019	Growth: 100.0 % Maintenance: 0.0 %	Mike Deimling	Ongoing`



## Project Version Summary

<b>Project #</b>	HCS-001-14	<b>Service Area</b>	Human & Health Services
<b>Budget Year</b>	2023	<b>Department</b>	Housing & Children's Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Housing Services
<b>Title</b>	Windsor Essex Community Housing Corporation Capital Repair and Renewal		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Agencies, Boards and Committees (ABC's)		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

Windsor Essex Community Housing Corporation (CHC) Repair and Renewal application under the National Housing Strategy Co-Investment Fund through Canada Mortgage and Housing Corporation (CMHC). The National Housing Co-Investment Fund Repair and Renewal Stream is dedicated to the preservation and renewal of the existing community and affordable housing stock. In order to leverage the Federal funding under the Repair and Renewal program projects must have support from another level of government (such as municipalities, Provinces and/or Territories, Indigenous Government) to ensure a coordination of investments.

The County of Essex would share approx. 35.68% of capital expenditures incurred based on the current arbitrated weighted assessment formula. This approved amount will form part of the City's contribution to support the application under the Repair and Renewal Stream of funding.

### Version Description

As part of the City of Windsor's Operating Budget, CHC currently receives approximately \$3.2 million annually for capital projects and infrastructure upgrades for the Public Housing and Non-Profit Family Housing portfolios. CHC's Public Housing portfolio is aging and over the last number of years capital budget requests for additional funding related to capital repair purposes were submitted to the City of Windsor.

In late 2015, CHC engaged a professional engineering firm to undertake a comprehensive assessment of its building conditions through a third party Facility Condition Assessment (FCA). In mid-2017, CHC received a consolidated report summarizing the condition of all assets and an analysis of the unfunded capital liability for capital repairs and maintenance that have been deferred. The report outlined that assuming the current level of capital funding from the City (and County) to CHC there will be an unfunded capital requirement that will reach \$112 million over the next 10 years with an annual funding requirement of \$11,209,000 portfolio wide with \$8.9 million of that amount being attributed to the Public Housing portfolio. CHC's recent estimates (2021) of the 10-year unfunded capital liability is \$148 million.

Canada Mortgage and Housing Corporation Repair and Renewal Funding:

The National Housing Strategy (NHS) is a 10-year (2018-2028), \$40 billion plan that sets targets to ensure investments and new programming for housing programs Canada-wide. The NHS documents indicate the goal of the creation of 100,000 new housing units and the repair or renewal of 300,000 existing housing units. The National Housing Co-Investment Fund has two streams, the New Construction Stream which is for new construction and the Housing Repair and Renewal Stream which is for the preservation and renewal of the existing community and affordable housing. This Capital Project request for funds is to provide the City's share in the current CHC application under the CMHC - Co-Investment Fund – Repair and Renewal stream. The Federal Government has provided a nationwide financial commitment of \$3.46 billion in loans and \$2.26 billion in capital contributions.

CMHC identified that portfolio wide funding under the Repair and Renewal Funding of the National Housing Co-Investment Fund would assist local housing corporations with ensuring adequate and appropriate condition of the housing stock that meets the needs of tenants that are residing in the units. The Repair and Renewal funding is being provided as a loan and grant combination. Accessing the Repair and Renewal Funding was contingent on CHC achieving social outcomes related to exceeding standard energy efficiency and accessibility requirements. Additional positive outcomes resulting from an allocation of funding under the Repair and Renewal stream include a positive impact in the community related to employment and business opportunities related to the repair work. CHC developed a proposed action plan to complete the capital repairs and this action plan estimates that a total cost commitment of \$170M would be required for the period 2020 - 2028.

In November of 2019 Council report C 173/2019 was brought forward requesting authorization for CHC to execute a Letter of Intent with CMHC with regards to the Repair and Renewal Funding. Council approved the recommendation (CR546/2019) and further directed administration to explore and report back in conjunction with the capital budget all appropriate funding strategies relative to the additional municipal capital contribution (approx. \$3.2M annually) required under this program. CMHC has indicated that the current annual municipal capital contributions that are provided to CHC each year can be included as a municipal contribution.

In December 2021 an In-camera report was presented to Council as an update to the CMHC Repair and Renewal Program. This report identified that after extensive negotiations with CMHC the repair and renewal legal agreements were fully executed in November 2021. This secured the CMHC Repair and Renewal funding of \$90 million (\$36 million as a forgivable loan and \$54 million as a repayable loan).

Based upon council report 191/2020, information was provided to inform council of the projected municipal shortfall in funding of \$47.6 million as follows:

	\$
Total Estimated Costs	\$170,000,000
CMHC Repair & Renewal Funding	(\$90,000,000)
Current Municipal Funding (City/County)	(\$28,800,000)
Funding Shortfall	\$51,200,000
Less: CHC Non-Profit Seniors Capital Contribution	\$3,600,000
Shortfall	\$47,600,000
Less: City of Windsor – Capital – 2021-2025	\$ 7,650,000
NET SHORTFALL	\$ 39,950,000

In order to secure the CMHC Repair and Renewal funding, CHC requires a future commitment of capital funds that will most likely require an increase or an extension to the proposed annual Asset Management Plan levy. Given these estimates and the expectation that current approved funding as well as the CMHC funding would be fully utilized first, the requirement for the additional municipal capital contribution of approximately \$39.95 million (rounded) (\$25.8 million City share) is generally expected to be required in 2025 and thereafter as follows:

Year	Municipal Share	\$Estimated City share
2025	\$3,000,000	\$1,931,913
2026	\$10,000,000	\$6,439,709
2027	\$20,000,000	\$12,879,418
2028	\$6,950,000	\$4,477,490
Total	\$39,950,000	\$25,728,529

The City Cost share of \$25,728,529 noted above is based on the current weighted assessment rate. Each year, the municipal cost share between City/County will be recalculated based on the current year's arbitrated weighted assessment rate.

In summary, approximately \$7.65 million Gross has been approved in principal in years 2021, 2022 and 2025, based on County weighted assessment. The balance of the required funding (approximately \$25.8 M – City share) is not currently included within the City's future capital budget plan.

On January 18, 2021, Council report C 191/2020 entitled "Municipal Funding Requirements for Windsor Essex Community Housing Corporation Capital Projects" was presented to Council to approve the execution of required documents with respect to the CMHC approved Repair and Renewal funding. A recommendation was proposed and approved that refers the additional capital request in the amount of \$40.1 million (now reduced to \$39.95 million), to support and complete the Repair and Renewal plan as requested by CHC to the 2023 Capital Budget review and deliberation process.

The Repair and Renewal Funding is an opportunity for CHC to leverage funding from upper levels of government to ensure adequate and appropriate condition of the housing stock in the housing portfolio and aligns with Goal 5.2 of Home Together, Windsor Essex Housing and Homelessness Plan to regularly monitor the condition of the social housing portfolio and actively pursue funding to assist with energy efficiency and capital repairs.

Project Comments/Reference	Version Comments
7189003(Closed) 7219001 (Reserve Account 1742)	COMMITMENTS: CR15/2021, C 191/2020: 2025 F169 \$2,000,000 & \$1,105,730 in County Costs

Project Detailed Forecast													
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total	
<b>Expenses</b>													
4565	Capital Grants	3,200,000	3,200,000	7,373,818	6,760,291	10,484,414	10,783,904	5,081,916	5,081,916	5,081,916	5,081,916	62,130,091	
Total		3,200,000	3,200,000	7,373,818	6,760,291	10,484,414	10,783,904	5,081,916	5,081,916	5,081,916	5,081,916	62,130,091	
<b>Revenues</b>													
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0	
169CF	Committed Funding	0	0	2,000,000	0	0	0	0	0	0	0	2,000,000	
221	Service Sustainability Investm	0	0	0	0	163,832	5,081,916	5,081,916	5,081,916	5,081,916	5,081,916	25,573,412	
6340	Net County Cost	1,139,293	1,139,293	2,207,381	4,699,584	8,259,875	3,641,281	0	0	0	0	21,086,707	
6340C F	Committed Funding	0	0	1,105,730	0	0	0	0	0	0	0	1,105,730	
7058	TRANSFER From Reserve Account	2,060,707	2,060,707	2,060,707	2,060,707	2,060,707	2,060,707	0	0	0	0	12,364,242	
Total		3,200,000	3,200,000	7,373,818	6,760,291	10,484,414	10,783,904	5,081,916	5,081,916	5,081,916	5,081,916	62,130,091	
<b>Related Projects</b>		<b>Historical Approved Budget</b>					<b>Operating Budget Impact</b>						
						<b>Revenue</b>							
		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
		2018	2,252,800	1,500,000	752,800								
		2021	3,506,693	2,306,021	1,200,672								
		2022	7,435,523	4,799,876	2,635,647								
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>			<b>Est. Completion Date</b>						
2014	January 1, 2019	Growth: 100.0 % Maintenance: 0.0 %		Mike Deimling/Diane Wilson/Kirk Whittal			Ongoing`						



## Project Version Summary

<b>Project #</b>	HCS-001-23	<b>Service Area</b>	Human & Health Services
<b>Budget Year</b>	2023	<b>Department</b>	Housing & Children's Services
<b>Asset Type</b>		<b>Division</b>	Housing Services
<b>Title</b>	Housing Hub		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

### Project Description

In September 2022, City Council approved the recommendations in CR390/2022 which provided Administration the authority to engage with Real Estate Services to explore and identify potential sites related to the creation of the Housing Hub as well as providing the CAO and City Clerk authority to enter into agreements to complete any feasibility work, where the costs do not exceed the amount allocated under Capital Project 7221048 – H4 Housing Hub (HC-001-22).

**Version Description**

In 2022, \$200,000 was allocated through Capital Project 7221048 – H4 Housing Hub (HCS-001-22) to assist with anticipated costs related to the Housing Hub Project. Through engagement with a consultant anticipated cost projections for both professional services and construction of the Housing Hub from 2023- 2032 are \$54,962,000. These fees are subject to a number of assumptions including an estimated cost for potential site acquisition that is to be determined in early 2023 as well as construction material costing estimates as of July 2022.

The breakdown of fees are as follows:

Year	Cost	Notes
2023	\$9,997,000	\$397,000 professional fees including feasibility study, due diligence assessments, baseline studies. This amount does not include the amount funded by Project 7221048-H4 Housing Hub (HC-001-22) \$9,600,000 allocated to potential site acquisition for non-City owned properties (Final Amount TBD)
2024	\$659,000	Community consultation, schematic design, design development, 30% of construction documents, other necessary approval costs from governing authorities
2025	\$6,672,000	\$1,072,000 in consulting and soft costs (70% of construction documents, permit, development charges, etc.) \$5,600,000 Phase 1 construction costs (estimated at \$1.4M per month times 4 months)
2026	\$17,052,000	\$252,000 consulting fees \$16,800,000 Phase 1 construction costs (estimated at \$1.4M per month times 12 months)
2027	\$18,310,000	\$610,000 consulting fees and soft costs \$13,200,000 Phase 1 construction costs (estimated at \$1.4M per month times 8 months) \$4,500,000 Phase 2 construction costs (Ancillary Housing – optional)
2028	\$2,272,000	\$22,000 consulting fees and soft costs \$2,250,000 Phase 2 construction costs (Ancillary Housing – optional)
Total (2023-2028)	\$54,962,000	
2029 – 2032	\$250,000 per year	Capital Reserve (estimated)

• Note: Costs detailed above are for total estimated gross cost, which would be reduced through securing additional capital funding from other sources.

Through Finance Review \$250,000 was approved in 2032 to offset any capital reserve requests. There is a risk that without municipal contributions to the project that Administration may not be able to continue the preliminary work needed to fulfill the need identified and may not have municipal contributions to apply for additional funding through upper levels of government.

**Project Comments/Reference**

**Version Comments**

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Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	0	0	0	5,081,916	4,918,084	0	0	0	0	250,000	10,250,000
Total		0	0	0	5,081,916	4,918,084	0	0	0	0	250,000	10,250,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	250,000	250,000
221	Service Sustainability Investm	0	0	0	5,081,916	4,918,084	0	0	0	0	0	10,000,000
Total		0	0	0	5,081,916	4,918,084	0	0	0	0	250,000	10,250,000
<b>Related Projects</b>			<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>					
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>			<b>Est. Completion Date</b>					
2023		Growth: 0.0 % Maintenance: 0.0 %		Kirk Whittal			TBD`					



# Project Version Summary

<b>Project #</b>	HCS-002-23	<b>Service Area</b>	Human & Health Services
<b>Budget Year</b>	2023	<b>Department</b>	Housing & Children's Services
<b>Asset Type</b>		<b>Division</b>	Housing Services
<b>Title</b>	Windsor Essex Community Housing Corporation Capital Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Agencies, Boards and Committees (ABC's)		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

**Project Description**

This capital project has been established to track the on-going portion of funding related to capital repairs for Windsor Essex Community Housing Corporation (CHC). The funds received are part of the Council approved Operating Budget on a yearly basis. In addition, approved requests for additional capital repair funding periodically submitted by CHC will form part of this Capital Project.

**Version Description**

As part of the City of Windsor's Operating Budget, CHC currently receives approximately \$3.2 million annually for capital projects and infrastructure upgrades for the Public Housing and Non-Profit Family Housing portfolios. CHC's Public Housing portfolio is aging and over a number of years, capital budget requests for additional funding related to capital repairs have been submitted to the City for approval. As part of the approval of CHC's application under the Canada Mortgage and Housing Corporation (CMHC) – Co-Investment Fund – Repair and Renewal Stream (Project # - HCS-001-14), the yearly approved amount of \$ 3.2 million has been committed until 2028. Effective 2029 this base budget funding will be included in this new capital project.

At this time, the Housing Services Department has not received any requests for additional capital repair funding outside of the current Repair and Renew Program funding (Project # HCS-001-14).

<b>Project Comments/Reference</b>	<b>Version Comments</b>

<b>Project Detailed Forecast</b>		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
4565	Capital Grants	0	0	0	0	0	0	3,200,000	3,200,000	3,200,000	3,200,000	12,800,000
	Total	0	0	0	0	0	0	3,200,000	3,200,000	3,200,000	3,200,000	12,800,000
<b>Revenues</b>												
6340	Net County Cost	0	0	0	0	0	0	1,139,293	1,139,293	1,139,293	1,139,293	4,557,172
7058	TRANSFER From Reserve Account	0	0	0	0	0	0	2,060,707	2,060,707	2,060,707	2,060,707	8,242,828
	Total	0	0	0	0	0	0	3,200,000	3,200,000	3,200,000	3,200,000	12,800,000



Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2023		Growth: 0.0 % Maintenance: 0.0 %	Kirk Whittal / Diane Wilson	Ongoing`



## Project Version Summary

<b>Project #</b>	HLD-001-11	<b>Service Area</b>	Human & Health Services
<b>Budget Year</b>	2023	<b>Department</b>	Huron Lodge
<b>Asset Type</b>	Unassigned	<b>Division</b>	Nursing & Personal Care
<b>Title</b>	Huron Lodge Point of Care Technology Implementation and upgrades including Wireless and Wired Care		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	Ward 1		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>													
<p>-To install wireless technology throughout the home and implement wireless/wired equipment that will facilitate entry of health care data into a clinical health record software and enhance business practices and resident continuity of services.</p> <p>-To achieve this, access points would have to be installed throughout each floor to ensure appropriate wireless coverage based on Information Technology's assessment.</p> <p>-Some additional hardware such as wiring and server for security is required.</p> <p>-Purchase of additional module (point of care-POC) from the clinical software to allow for wireless entry.</p> <p>-Purchase of additional clinical software licenses to allow for more users on the system.</p> <p>-Purchase of wireless and wired computerized equipment for point of care (POC) entry as well as the mounting hardware required.</p>													
<b>Version Description</b>													
<p>As part of the agreement for Medical Pharmacies Group to provide pharmacy services at Huron Lodge (CAO#1805, 3808), the proponent will give an annual life enhancement. Huron Lodge chooses to use the funds for technology in the home to support resident care. This includes medication safety technology, point of care technology, all softwares and hardwares for resident care.</p> <p>Funding from Medical Pharmacies Group is as follows:</p> <table border="0"> <tr> <td>Contracts 2012-2016</td> <td>\$400,000</td> <td>(\$80,000 per year)</td> </tr> <tr> <td>Contract 2017-2019</td> <td>\$180,000</td> <td>(\$60,000 per year)</td> </tr> <tr> <td>Contract 2020-2021</td> <td>\$120,000</td> <td>(\$60,000 per year)</td> </tr> <tr> <td>Contract 2022</td> <td>\$60,000</td> <td></td> </tr> </table> <p>Purchase of tablets for Point of care            Heavy Workload Temporary Staff Dollars for Implementation Oversight, Business Process Development, Training            2027- Equipment replacement estimated life 7 years            2031- Software / Upgrade Replacement includes software implementation costs, training, and heavy workload staff oversight and business process development            2035 - Equipment and Software replacement estimated life 7 years</p> <p>As communicated to the Social Development, Health and Culture Standing Committee (Report #16180) it is Huron Lodge's goal to implement an up-to-date point of care electronic documentation program which requires wireless and updated wired technology throughout the home.</p>		Contracts 2012-2016	\$400,000	(\$80,000 per year)	Contract 2017-2019	\$180,000	(\$60,000 per year)	Contract 2020-2021	\$120,000	(\$60,000 per year)	Contract 2022	\$60,000	
Contracts 2012-2016	\$400,000	(\$80,000 per year)											
Contract 2017-2019	\$180,000	(\$60,000 per year)											
Contract 2020-2021	\$120,000	(\$60,000 per year)											
Contract 2022	\$60,000												
<b>Project Comments/Reference</b>	<b>Version Comments</b>												
7135002													

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
2980	Contracted Services	0	0	0	0	0	0	0	0	500,000	0	500,000
5125	Computers - PCs	100,000	0	0	0	100,000	0	0	0	0	0	200,000
Total		100,000	0	0	0	100,000	0	0	0	500,000	0	700,000
<b>Revenues</b>												
221	Service Sustainability Investm	100,000	0	0	0	100,000	0	0	0	500,000	0	700,000
Total		100,000	0	0	0	100,000	0	0	0	500,000	0	700,000
<b>Related Projects</b>		<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>						
				<b>Revenue</b>				<b>Effective Date</b> Unknown		<b>Exp/(Rev) FTE Impact</b>		
		<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>					0	0	
		2019	78,000	78,000	0							
						<b>Description</b> Equipment Maintenance (Annual) Additional Licensing Fees for POC option (Annual) Software License, Maintenance, Database Hosting Fee (Annual)- CAO Report 3660. WIFI I.T. maintenance fee (Annual) access points I.T. annual maintenance fee \$480 X 42 tablets						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>		<b>Est. Completion Date</b>						
2011	January 1, 2017	Growth: 0.0 % Maintenance: 100.0 %		Susan Rogers		Ongoing`						



## Project Version Summary

<b>Project #</b>	HLD-001-12	<b>Service Area</b>	Human & Health Services
<b>Budget Year</b>	2023	<b>Department</b>	Huron Lodge
<b>Asset Type</b>	Unassigned	<b>Division</b>	Nursing & Personal Care
<b>Title</b>	Huron Lodge Nursing Equipment Replacement Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	Ward 1		
<b>Version Name</b>	Main (Active)		

### Project Description

To provide a capital project for replacement of nursing equipment from a risk management prospective to address the safety and security of residents, staff and visitors and ensure all nursing equipment meets manufacturer requirements as outlined in the Long Term Care Homes Act (2007).

Based on discussions with the supplier and manufacturer's recommendation, this equipment will soon need to be replaced. Most of this equipment is already 10 years old with a life expectancy of 10 - 15 years.

### Version Description

Establishment of a Floor Lift replacement program - \$222,000 (10 years - life expectancy)  
 Establishment of an Alenti/Miranti bath/Tornado/shower chair replacement program - \$210,000(10 years - life expectancy)  
 Establishment of a shower tub replacement program - \$420,500 (15 years - life expectancy)  
 Establishment of equipment within the soiled utility rooms - including hoppers and bed pan washers  
 Establishment of storage equipment replacement

### Project Comments/Reference

7199000

### Version Comments

### Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5110 Machinery & Equipment - TCA	50,000	50,000	50,000	75,000	75,000	200,000	200,000	200,000	200,000	85,000	1,185,000
Total	50,000	50,000	50,000	75,000	75,000	200,000	200,000	200,000	200,000	85,000	1,185,000
<b>Revenues</b>											
221 Service Sustainability Investm	50,000	50,000	50,000	75,000	75,000	200,000	200,000	200,000	200,000	85,000	1,185,000
Total	50,000	50,000	50,000	75,000	75,000	200,000	200,000	200,000	200,000	85,000	1,185,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2019	150,000	150,000	0				
		2020	150,000	150,000	0				
		2021	150,000	150,000	0				
		2022	450,000	450,000	0				
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2012	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %		Susan Rogers	Ongoing`				



## Project Version Summary

<b>Project #</b>	HLD-001-15	<b>Service Area</b>	Human & Health Services
<b>Budget Year</b>	2023	<b>Department</b>	Huron Lodge
<b>Asset Type</b>	Unassigned	<b>Division</b>	Nursing & Personal Care
<b>Title</b>	Huron Lodge Ceiling Mounted Resident Lift Replacement Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	Ward 1		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	To provide a capital program for the replacement of ceiling lifts, from a risk management prospective, to address the safety and security of residents and ensure all nursing equipment meets the manufacturer requirements as outlined in the Long Term Care Homes Act (2007).
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<b>Version Description</b>	<p>This project is for the replacement of the 199 ceiling lifts within Huron Lodge. This is a phased-in project to accommodate one resident home area per year at approximately \$110,000 for 32 lifts. The \$110,000 cost does not include the ceiling track but only the motor, battery, slings and labour. The cost is for ceiling lifts in the resident rooms. The ceiling tracks may be required to be replaced in future years. When required, analysis of the ceiling, building structure and track will be completed in conjunction with the facilities department and at that time and any additional funds required may be funded from this replacement program if available.</p> <p>The ceiling lifts located in the tub rooms will be replaced when the showers and tubs are replaced as part of HLD-001-12 (HL nursing equipment replacement program). Depending on the new tub, the lift associated with the tub may vary.</p>
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
7199001	

<b>Project Detailed Forecast</b>		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5110	Machinery & Equipment - TCA	100,000	100,000	110,000	120,000	120,000	110,000	0	0	115,000	115,000	890,000
	Total	100,000	100,000	110,000	120,000	120,000	110,000	0	0	115,000	115,000	890,000
<b>Revenues</b>												
221	Service Sustainability Investm	100,000	100,000	110,000	120,000	120,000	110,000	0	0	115,000	115,000	890,000
	Total	100,000	100,000	110,000	120,000	120,000	110,000	0	0	115,000	115,000	890,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2019	115,000	115,000	0				
		2020	200,000	200,000	0				
		2021	200,000	200,000	0				
		2022	100,000	100,000	0				
					No Operating Budget Impact				
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2015	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %		Susan Rogers	Ongoing`				



# Project Version Summary

<b>Project #</b>	HLD-002-15	<b>Service Area</b>	Human & Health Services
<b>Budget Year</b>	2023	<b>Department</b>	Huron Lodge
<b>Asset Type</b>	Unassigned	<b>Division</b>	Nursing & Personal Care
<b>Title</b>	Huron Lodge Resident Monitoring & Nurse Bedside Call System		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	Ward 1		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 This project allows for a safe and secure environment for the residents of Huron Lodge. This project replaces all equipment required for the resident monitoring, security and access throughout the home property including the bedside call system, addresses risk management and the safety and security of all residents indoors and outdoors.

**Version Description**  
 The current WanderGuard system requires updates. This project includes parts and labour and software and hardware required to support the Nurse Call Bell system and the WanderGuard watchmate system.  
 This project also includes the implementation of a Wanderguard secured outdoor area for all residents to use. Currently there is no common outdoor secure area for residents. Due to increased resident population with dementia this would limit the health and safety risks which exist. Fencing, accessible walkway, modest shade gazebo, benches, WanderGuard secured. Updates allow for fundamental communication components in responding to resident needs.  
 2025-2027- Equipment, Hardware and Software expenses related to upkeep of home safety and security including but not limited to any modifications to doors inside or outside to complement the WanderGuard care.  
 2029-Complete Replacement or Major upgrade depending on technological changes  
 As resident population changes with increased dementia introduction of new technology to support safety of residents will be implemented.

Project Comments/Reference	Version Comments
7191032 CLOSED: 7163001	

Project Detailed Forecast											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5110 Machinery & Equipment - TCA	0	0	25,000	20,000	20,000	0	120,000	0	20,000	20,000	225,000
Total	0	0	25,000	20,000	20,000	0	120,000	0	20,000	20,000	225,000
<b>Revenues</b>											
221 Service Sustainability Investm	0	0	25,000	20,000	20,000	0	120,000	0	20,000	20,000	225,000
Total	0	0	25,000	20,000	20,000	0	120,000	0	20,000	20,000	225,000



Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2018	100,000	100,000	0				
		2019	25,000	25,000	0				
		2021	20,000	20,000	0				
					No Operating Budget Impact				
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2015	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %		Susan Rogers	Ongoing`				



## Project Version Summary

<b>Project #</b>	HLD-001-17	<b>Service Area</b>	Human & Health Services
<b>Budget Year</b>	2023	<b>Department</b>	Huron Lodge
<b>Asset Type</b>	Unassigned	<b>Division</b>	Nutrition & Dietary Services
<b>Title</b>	Huron Lodge Dietary Servery and Cafe Updates and Equipment Replacement		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	Ward 1		
<b>Version Name</b>	Main (Active)		

### Project Description

Huron Lodge has 7 server/pantry areas and dining rooms within the building which was built in 2007. Each servery and dining room is located within each resident home area in which 32 residents live. The servery is where the staff members do small food preparation work and food is kept warm or cold. Staff pick up the meals from the servery to deliver to the dining room.

Each servery includes the following equipment: 1 reach-in fridge, industrial microwave, steam table, cold food table, rotary toaster and small toaster.

Each servery has a pantry, cupboards and counter top. It is estimated at this time that each servery including its equipment will require updating. Wear and tear is already prevalent with the countertops chipping and are susceptible to mold.

The café is located on the main floor and will also require equipment pieces / minor updates such as countertops to be prioritized.

### Version Description

The following equipment/updates are required to be replaced when the server/pantry/cafe is updated. Equipment in these areas includes but is not limited to Microwave, steam table, cold table, rotary toaster, multiple use oven, ice machines, garburator, hot water dispenser, small dishmachine, various food carts, stainless steel countertop installation.

### Project Comments/Reference

7219017

### Version Comments

### Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5111 Machinery & Equipment -Non TCA	35,000	35,000	35,000	50,000	50,000	40,000	0	50,000	50,000	0	345,000
Total	35,000	35,000	35,000	50,000	50,000	40,000	0	50,000	50,000	0	345,000
<b>Revenues</b>											
221 Service Sustainability Investm	35,000	35,000	35,000	50,000	50,000	40,000	0	50,000	50,000	0	345,000
Total	35,000	35,000	35,000	50,000	50,000	40,000	0	50,000	50,000	0	345,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2021	35,000	35,000	0				
		2022	35,000	35,000	0				
					reorganizing operations during off peak hours				
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2017	January 1, 2021	Growth: 0.0 % Maintenance: 100.0 %		Cathy Harris	Ongoing`				



## Project Version Summary

<b>Project #</b>	HLD-002-12	<b>Service Area</b>	Human & Health Services
<b>Budget Year</b>	2023	<b>Department</b>	Huron Lodge
<b>Asset Type</b>	Unassigned	<b>Division</b>	Nutrition & Dietary Services
<b>Title</b>	Huron Lodge Cooking and Food Preparation Equipment Replacement Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	Ward 1		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>												
To ensure there is an efficient capital fund for the Dietary Services division of Huron Lodge that addresses risk management, quality assurance, and resident care as it relates to legislated food services.												
<b>Version Description</b>												
Establishment of a replacement program to purchase, upgrade, and or replace Dietary equipment for food storage & preparation equipment which must comply with the Ministry of Health and Long Term Care Act and Regulations as well as other legislated food service standards to ensure quality of food service to residents to maximize nutritional needs. Smallwares equipment such as smaller ovens, steamers, food preparation equipment, heating, food waste disposal processes, shelving and steam tables, have a life span of 8 – 10 years.												
<b>Project Comments/Reference</b>						<b>Version Comments</b>						
7183003												
<b>Project Detailed Forecast</b>												
<b>GL Account</b>		<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>												
5111	Machinery & Equipment -Non TCA	40,000	0	42,000	45,000	45,000	0	0	50,000	50,000	100,000	372,000
	Total	40,000	0	42,000	45,000	45,000	0	0	50,000	50,000	100,000	372,000
<b>Revenues</b>												
221	Service Sustainability Investm	40,000	0	42,000	45,000	45,000	0	0	50,000	50,000	100,000	372,000
	Total	40,000	0	42,000	45,000	45,000	0	0	50,000	50,000	100,000	372,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2018	40,000	40,000	0				
		2019	40,000	40,000	0				
		2021	40,000	40,000	0				
		2022	40,000	40,000	0				
					No Operating Budget Impact				
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date					
2012	January 1, 2018	Growth: 0.0 % Maintenance: 100.0 %	Cathy Harris	Ongoing`					



# Project Version Summary

<b>Project #</b>	HLD-003-15	<b>Service Area</b>	Human & Health Services
<b>Budget Year</b>	2023	<b>Department</b>	Huron Lodge
<b>Asset Type</b>	Unassigned	<b>Division</b>	Nutrition & Dietary Services
<b>Title</b>	Huron Lodge Dish Machines and Industrial Kitchen Equipment		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	Ward 1		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 To establish a capital project to replace the dish machines and other industrial equipment within the kitchen at Huron Lodge that addresses risk management, quality assurance, and resident care requirements. This equipment is used as part of Huron Lodge's infection control procedures offering industrial quality sanitation and cleaning practices.

**Version Description**  
 To establish a project for the replacement of the dish machines and industrial kitchen equipment at Huron Lodge. This equipment has a life span of 8 - 10 years. Some equipment pieces were moved from the old building in 2007 and are still in working order but could fail at any time. Included in this project is the replacement of all kitchen industrial equipment / industrial storage units in the main kitchen. Equipment includes but not limited to hot carts, steamers, garburators, turbo wash pot/pan sink, ovens and hot tops and costs for plumbing/electrical during installation to be included.

Project Comments/Reference	Version Comments
7183001	

Project Detailed Forecast											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5111 Machinery & Equipment -Non TCA	40,000	0	50,000	50,000	50,000	110,000	70,000	100,000	100,000	0	570,000
Total	40,000	0	50,000	50,000	50,000	110,000	70,000	100,000	100,000	0	570,000
<b>Revenues</b>											
221 Service Sustainability Investm	40,000	0	50,000	50,000	50,000	110,000	70,000	100,000	100,000	0	570,000
Total	40,000	0	50,000	50,000	50,000	110,000	70,000	100,000	100,000	0	570,000

Related Projects	Historical Approved Budget				Operating Budget Impact	
	Year	Total Expense	Revenue		Effective Date	Exp/(Rev) FTE Impact
			Net City Cost	Subsidies	Unknown	0 0
	2018	80,000	80,000	0	No Operating Budget Impact	
	2019	95,000	95,000	0		
	2021	110,000	110,000	0		

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2015	January 1, 2018	Growth: 0.0 % Maintenance: 100.0 %	Cathy Harris	Ongoing`



## Project Version Summary

<b>Project #</b>	HLD-004-15	<b>Service Area</b>	Human & Health Services
<b>Budget Year</b>	2023	<b>Department</b>	Huron Lodge
<b>Asset Type</b>	Unassigned	<b>Division</b>	Nutrition & Dietary Services
<b>Title</b>	Huron Lodge Refrigeration and Freezer Equipment Replacement		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	Ward 1		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>											
To establish a capital project for the replacement of the refrigeration and freezer equipment throughout the RHA servery, pantry, and main kitchen at Huron Lodge.											
<b>Version Description</b>											
This equipment has a life expectancy of 8 to 10 years and by 2018 this equipment will need to be replaced as the cost of repairs will be too costly. Items requiring major repairs or replacing include 3 fridge walk-ins, 2 freezer walk-ins, and several fridges and freezers for the dietary (17 reach in refrigeration units, 6 reach in freezer units) and nursing areas (16 units) . Some units will be purchased new and others can be repaired through the purchase of compressors and motors. 2022-establish replacement program for fridge/freezers and purchase software system for monitoring temperature for food and medications as required per the Ministry of Health and long term care standards.											
<b>Project Comments/Reference</b>						<b>Version Comments</b>					
7183002											
<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5111 Machinery & Equipment -Non TCA	0	0	0	175,000	100,000	0	0	250,000	250,000	0	775,000
Total	0	0	0	175,000	100,000	0	0	250,000	250,000	0	775,000
<b>Revenues</b>											
221 Service Sustainability Investm	0	0	0	175,000	100,000	0	0	250,000	250,000	0	775,000
Total	0	0	0	175,000	100,000	0	0	250,000	250,000	0	775,000



Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2018	80,000	80,000	0				
		2022	175,000	175,000	0				
					No Operating Budget Impact				
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2015	January 1, 2018	Growth: 0.0 % Maintenance: 0.0 %		Cathy Harris	Ongoing`				



# Project Version Summary

<b>Project #</b>	HLD-006-15	<b>Service Area</b>	Human & Health Services
<b>Budget Year</b>	2023	<b>Department</b>	Huron Lodge
<b>Asset Type</b>	Unassigned	<b>Division</b>	Nutrition & Dietary Services
<b>Title</b>	Huron Lodge Dietary Management System Maintenance		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	Ward 1		
<b>Version Name</b>	Main (Active)		

**Project Description**

This system will allow for a real time posting of all therapeutic information, such as but not limited to, individual needs, daily and weekly menus, diet cards, production sheets, and real time resident dietary requirements. This will mitigate risks such as aspiration, allergic reactions, ministry requirements, and consistent proper seating arrangements, etc.

**Version Description**

This project will allow the Dietary area to update resident files in real-time as opposed to the current manual system which requires binders in several locations in every resident home area and main kitchen to be updated daily (e.g. therapeutics count sheets, production sheets, table cards, seating placements, nourishment list, etc, all required by the Ministry of Health and long term care). This will allow for computerized menus to be posted electronically and all changes to be reflected in real time as they are made. This would also benefit the nursing staff as they will have access to the most up-to-date information in providing resident care which will reduce risk to the residents of Huron Lodge and the Corporation of the City of Windsor.

Improved production efficiencies will result with streamlining the process in which data is entered and significant reduction of risk to resident health. It is expected there will be an operating budget impact as a new software may have an annual license fee and if tablets are purchased our IT department may charge the department an annual fee. Budget is based on 2016 estimates.

Hardware (ie: screens, keyboards) for each dietary server, kitchen, diet offices; Software to allow for point of care for dietary needs, possible wiring WIFI connection updates; backfill for training and possible temporary dollars for heavy workload staff member

2022- integration with clinical software and point of care tablets

2023- integration with current dietary software and menu integration, hardware such as computer terminal in the kitchen, monitors in the dining rooms, software updates as required.

2031-Hardware Software updates, training

Project Comments/Reference	Version Comments
7199002	

Project Detailed Forecast												
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total	
<b>Expenses</b>												
5110 Machinery & Equipment - TCA	105,000	0	35,000	0	70,000	0	0	0	50,000	60,000	320,000	
Total	105,000	0	35,000	0	70,000	0	0	0	50,000	60,000	320,000	
<b>Revenues</b>												
221 Service Sustainability Investm	105,000	0	35,000	0	70,000	0	0	0	50,000	60,000	320,000	
Total	105,000	0	35,000	0	70,000	0	0	0	50,000	60,000	320,000	

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2019	65,000	65,000	0			0	0
		2022	75,000	75,000	0				
							License Fees training costs		
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2015	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %	Cathy Harris		Ongoing`				



# Project Version Summary

<b>Project #</b>	HLD-001-13	<b>Service Area</b>	Human & Health Services
<b>Budget Year</b>	2023	<b>Department</b>	Huron Lodge
<b>Asset Type</b>	Unassigned	<b>Division</b>	Program Services
<b>Title</b>	Huron Lodge Beds/Mattresses/Furniture Replacement Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	Ward 1		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	Heavy usage by residents and constant environmental disinfection practices results in irreparable damages to the resident furniture. A capital replacement program averaging every 7 - 10 years is recommended to provide for furniture replacement.
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<b>Version Description</b>	<p>A replacement program for the beds and mattresses along with mandatory utilitarian furniture require replacement due to age (10+ years) and wear and breakdown from cleaning chemicals.</p> <p>Resident Room Furniture includes beds, mattresses, bedside tables, dressers, chairs, blinds, window coverings</p> <p>Common home area Furniture includes couches, chairs, tables</p> <p>The ministry of long term care provides modest funding of \$22,400 for which beds qualify as part of the fall prevention funding (equates to estimated 10 beds), note that there are 224 resident beds in the home.</p> <p>2019-2022 beds (due to safety) and resident room furniture immediate need of replacing</p> <p>2023-2026 all common areas such as lounges and dining areas in all 7 resident home areas and main floor lounge/auditorium/café dining</p> <p>2028-2031 complete home replacement of all furniture including freight, assembly, staging costs (removing old furniture, resident personal belongings to be moved etc)</p> <p>2032 replacement of all beds due to new technology and expected resident further decline. Most often, resident falls and injuries occur while moving to and from beds.</p>
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
7189013	

<b>Project Detailed Forecast</b>		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5130	Furniture & Furnishings	100,000	100,000	100,000	200,000	200,000	0	300,000	200,000	100,000	400,000	1,700,000
	Total	100,000	100,000	100,000	200,000	200,000	0	300,000	200,000	100,000	400,000	1,700,000
<b>Revenues</b>												
221	Service Sustainability Investm	100,000	100,000	100,000	200,000	200,000	0	300,000	200,000	100,000	400,000	1,700,000
	Total	100,000	100,000	100,000	200,000	200,000	0	300,000	200,000	100,000	400,000	1,700,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2019	272,400	250,000	22,400				
		2020	100,000	100,000	0				
		2021	100,000	100,000	0				
		2022	122,404	100,000	22,404				
					No Operating Budget Impact				
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2013	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %	Tanya Shreve		Ongoing`				



## Project Version Summary

<b>Project #</b>	HLD-002-17	<b>Service Area</b>	Human & Health Services
<b>Budget Year</b>	2023	<b>Department</b>	Huron Lodge
<b>Asset Type</b>	Unassigned	<b>Division</b>	Resident Services
<b>Title</b>	Huron Lodge Resident Services Equipment Replacement		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	Ward 1		
<b>Version Name</b>	Main (Active)		

### Project Description

Establish an equipment replacement program for the Resident Services Division of Huron Lodge that addresses risk management, enriched quality of life, Psycho-social, Physiotherapy and Group Exercise programs, and improved delivery of resident programs.

### Version Description

Establishment of a replacement program over the next five years to purchase, upgrade and or replace equipment for Physiotherapy Services and Resident life enrichment. These must comply with the Ministry of Health and Long Term Care Physiotherapy and Recreation and Social Activities regulations. Maintaining physical function in long term care is critical for improved functions across all aspects of resident care. By being able to provide the appropriate equipment to maintain or improve a resident's abilities we see reduced skin issues, improved ADL performance and increased psychosocial well being. Equipment such as ultrasounds, tens machines, and pedlars ensure our residents receive the appropriate exercises, range of motion, and strengthening to improve or maintain their physical abilities.

In addition to equipment for Physiotherapy and group exercise there are various equipment pieces that improve the programs and leisure time of our residents. It is mandated by the Act that the home provide a recreation program that meets the needs of the residents. Televisions, sound equipment, therapeutic recreation pieces, resident computers, and a large projection screen are all equipment that is necessary to enrich the lives of our residents. The use of technology and software in resident programming is vital in order to keep Huron lodge current with best practices in the private sector.

- \$15,000 - Auditorium TV
- \$10,000 - TVs (7 Lounge, 1 Therapy Room, 1 Café and 1 Front Main Area)
- \$10,000 - Ipads and Software (8)
- \$2,000 - Camera
- \$10,000 - Computers (7 Resident, 1 for Library)
- \$2,500 - BBQ
- \$5,000 - Canopy
- \$10,000 - Outdoor Furniture
- \$10,000 - Snoezelen Equipment
- \$5,000 - Celebration Dining Room Furniture
- \$45,000 - Physio and Exercise Room Equipment
- \$50,000 - Shade Structure for Outdoor Equipment
- \$40,000 - Interactive Equipment (It's Never2Late or equivalent) Replacement - \$10,000 each and software upgrades
- \$25,000 Kitchenette
- \$40,000 Introduction of Dementia Chrysalis Project
- \$60,000 Expansion of Chrysalis Project to other home areas
- Heavy workload social worker and/or activity aide to implement Chrysalis in the home

### Project Comments/Reference

7219000

### Version Comments

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5111	Machinery & Equipment -Non TCA	0	0	0	40,000	150,000	0	0	40,000	60,000	150,000	440,000
Total		0	0	0	40,000	150,000	0	0	40,000	60,000	150,000	440,000
<b>Revenues</b>												
221	Service Sustainability Investm	0	0	0	40,000	150,000	0	0	40,000	60,000	150,000	440,000
Total		0	0	0	40,000	150,000	0	0	40,000	60,000	150,000	440,000
<b>Related Projects</b>		<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>						
				<b>Revenue</b>				<b>Effective Date</b>	Unknown	<b>Exp/(Rev) FTE Impact</b>		
		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>			<b>Description</b>		0	0	
		2021	124,500	124,500	0			No Operating Budget Impact				
		2022	50,000	50,000	0							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>		<b>Est. Completion Date</b>						
2017	January 1, 2021	Growth: 0.0 % Maintenance: 0.0 %		Amanda Caslick		Ongoing`						

# **2023 Approved Capital Budget**



## **Capital Project Summaries**

**Office of the Commissioner of Community Services**





# Project Version Summary

<b>Project #</b>	WPL-001-17	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Library Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Library
<b>Title</b>	Windsor Public Library Refurbishments		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Agencies, Boards and Committees (ABC's)		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 Libraries get significant "wear and tear" from repeated public usage and require regular refurbishment, such as painting, new customer seating, children's seating, shelving improvements and study surfaces every 8 to 10 years to protect the capital investment and assure sustainability. WPL Administration maintains a refurbishment plan and carries out priorities based on the capital budget allocation provided by the City.

**Version Description**  
 Current priorities include painting, flooring replacements, shelving improvements and furniture replacements at the Fontainebleau, Bridgeview and Forest Glade branches.

Project Comments/Reference	Version Comments
7219016	

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5130	Furniture & Furnishings	33,752	46,000	46,000	31,000	48,000	0	0	0	138,000	98,000	440,752
	Total	33,752	46,000	46,000	31,000	48,000	0	0	0	138,000	98,000	440,752
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	33,752	46,000	46,000	31,000	48,000	0	0	0	138,000	98,000	440,752
	Total	33,752	46,000	46,000	31,000	48,000	0	0	0	138,000	98,000	440,752

Related Projects	Historical Approved Budget				Operating Budget Impact		
	Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev) FTE Impact
			Net City Cost	Subsidies			0 0
	2021	71,344	71,344	0			
	2022	89,180	89,180	0			
	No Operating Budget Impact						

Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
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2017	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %	Nancy Peel & Christine Arkell	Ongoing`
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# Project Version Summary

<b>Project #</b>	WPL-001-20	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Library Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Library
<b>Title</b>	WPL Electronic Signs		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Agencies, Boards and Committees (ABC's)		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	Purchase and installation of electronic signs at select library facilities.
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<b>Version Description</b>	Priority library locations for the installation of electronic signs are the Forest Glade, Riverside, Seminole, John Muir and Budimir branches.
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
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<b>Project Detailed Forecast</b>												
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total	
<b>Expenses</b>												
5130 Furniture & Furnishings	0	0	0	0	0	0	90,000	0	92,000	68,000	250,000	
Total	0	0	0	0	0	0	90,000	0	92,000	68,000	250,000	
<b>Revenues</b>												
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	90,000	0	92,000	68,000	250,000	
Total	0	0	0	0	0	0	90,000	0	92,000	68,000	250,000	

<b>Related Projects</b>	<b>Historical Approved Budget</b>	<b>Operating Budget Impact</b>
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<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2020		Growth: 0.0 % Maintenance: 0.0 %	TBD	2027
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# Project Version Summary

<b>Project #</b>	WPL-001-23	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Library Services
<b>Asset Type</b>		<b>Division</b>	Administration - Library
<b>Title</b>	Equipment Upgrades		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Agencies, Boards and Committees (ABC's)		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	Upgrade the recording and editing equipment in the Digital Branch and upgrades to customer technology hubs.										
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<b>Version Description</b>											
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<b>Project Comments/Reference</b>				<b>Version Comments</b>							
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<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	0	0	17,000	0	0	0	0	25,000	42,000
Total	0	0	0	0	17,000	0	0	0	0	25,000	42,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	17,000	0	0	0	0	25,000	42,000
Total	0	0	0	0	17,000	0	0	0	0	25,000	42,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>			<b>Operating Budget Impact</b>						

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2023		Growth: 0.0 % Maintenance: 0.0 %	Kitty Pope	TBD`
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# Project Version Summary

<b>Project #</b>	WPL-002-18	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Library Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Library
<b>Title</b>	Windsor Public Library Materials Acquisitions		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Agencies, Boards and Committees (ABC's)		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

The development charges component of the Library Board capital program includes a provision of \$1.0 million to cover the cost of materials acquisitions over the ten-year planning period. This acquisition will assist in servicing areas of Windsor with significant residential growth without expenditures on bricks and mortar. Our materials are popular and in constant demand and new materials are regularly expected by our customers. Within a budget conscious environment, the Windsor Public Library wishes to remain relevant, in particular with respect to Wards 1, 7 & 9 - the wards which have experienced significant residential growth.

**Version Description**

The funds have been designated to purchase library books/videos and e-resources to serve areas with significant residential growth (i.e. Wards 1/7/9) thereby reducing the need for more library facilities. The proposed plan going forward to use Development Charge funding to support library collections and outreach in areas where a public library is not easily accessible.

Project Comments/Reference	Version Comments
7145000	

Project Detailed Forecast											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
2085 Publications and Manuals	125,000	150,000	150,000	150,000	133,000	200,000	200,000	0	150,000	225,000	1,483,000
Total	125,000	150,000	150,000	150,000	133,000	200,000	200,000	0	150,000	225,000	1,483,000
<b>Revenues</b>											
122 Dev Chg - Library	100,000	75,000	75,000	75,000	75,000	75,000	75,000	0	150,000	0	700,000
169 Pay As You Go - Capital Reserve	25,000	75,000	75,000	75,000	58,000	125,000	125,000	0	0	225,000	783,000
Total	125,000	150,000	150,000	150,000	133,000	200,000	200,000	0	150,000	225,000	1,483,000

Related Projects		Historical Approved Budget			Operating Budget Impact
			<b>Revenue</b>		
		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>
		2019	175,000	175,000	0
		2020	150,000	150,000	0
		2021	150,000	150,000	0
		2022	125,000	125,000	0
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date	
2018	January 1, 2022	Growth: 0.0 % Maintenance: 100.0 %	Kitty Pope	Ongoing`	





# Project Version Summary

<b>Project #</b>	WPL-002-20	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Library Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Library
<b>Title</b>	Library Self Checkouts		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Agencies, Boards and Committees (ABC's)		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	Scheduled replacement of library self-checkout machines.										
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<b>Version Description</b>											
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<b>Project Comments/Reference</b>				<b>Version Comments</b>							
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<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5110 Machinery & Equipment - TCA	0	0	0	0	0	40,000	40,000	80,000	55,000	150,000	365,000
Total	0	0	0	0	0	40,000	40,000	80,000	55,000	150,000	365,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	40,000	40,000	80,000	55,000	150,000	365,000
Total	0	0	0	0	0	40,000	40,000	80,000	55,000	150,000	365,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>			<b>Operating Budget Impact</b>						

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2020		Growth: 0.0 % Maintenance: 0.0 %	TBD	TBD`
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# Project Version Summary

<b>Project #</b>	ENG-006-17	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facilities Operations
<b>Title</b>	Windsor International Aquatic Training Centre – Ongoing Capital Maintenance		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	Ward 3		
<b>Version Name</b>	Main (Active)		

**Project Description**

The Windsor International Aquatic Training Centre (WIATC) including Adventure Bay is a unique facility. It has a vast array of equipment that is used to run the facility as well as the specialized equipment associated with the waterpark and diving facility. In addition, the warranty for the equipment in the facility is now expired so this program will fund necessary replacement of components or equipment. It will include replacement and capital repairs of equipment, amusement devices, specialized HVAC equipment, pumps, water treatment equipment, etc. Other capital needs include replacement of safety features as well as capital repairs/replacements of items that support the unique functions of the facility.

**Version Description**

The funding will be assigned on a priority basis.

Enterprise Risk(s): This funding will mitigate against the identified Infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.

Project Comments/Reference	Version Comments
7189001	

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5410	Construction Contracts - TCA	150,000	971,500	568,500	150,000	150,000	300,000	300,000	300,000	350,000	180,000	3,420,000
	Total	150,000	971,500	568,500	150,000	150,000	300,000	300,000	300,000	350,000	180,000	3,420,000
<b>Revenues</b>												
151	Parks/Rec/Facil Acquis Funding	150,000	821,500	418,500	150,000	150,000	300,000	300,000	300,000	350,000	100,000	3,040,000
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
209	WIATC Capital Maintenance Rve	0	150,000	150,000	0	0	0	0	0	0	80,000	380,000
221	Service Sustainability Investm	0	0	0	0	0	0	0	0	0	0	0
	Total	150,000	971,500	568,500	150,000	150,000	300,000	300,000	300,000	350,000	180,000	3,420,000

Related Projects		Historical Approved Budget			Operating Budget Impact					
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE	Impact
				Net City Cost	Subsidies					
		2018	75,000	75,000	0					
		2019	200,000	200,000	0					
		2020	80,000	80,000	0					
		2022	150,000	150,000	0					
					A minimum \$50,000 impact to operating budget per year if the non-slip floor coating is not funded.					
Year Identified	Start Date	Project Type for 2023		Project Lead		Est. Completion Date				
2017		Growth: 0.0 % Maintenance: 100.0 %		Daryel Brisebois		Ongoing`				



# Project Version Summary

<b>Project #</b>	ENG-007-17	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facilities Operations
<b>Title</b>	Facility Equipment Replacement Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

To repair and replace maintenance equipment within Facilities. This equipment is costly to repair/replace and many items are reaching the end of their useful life. Annual funding is being requested to replace/repair aging maintenance equipment, such as floor cleaning equipment, compressors, lifts etc. This budget will ensure that funds are available when maintenance equipment throughout Facilities fails or needs replacement.

### Version Description

The following project requires an annual allotment of \$50,000 in 2023-2028, and 2031-2032 to fund the replacement of facility maintenance equipment. The annual funds will be assigned on a priority basis based on the overall needs for maintenance equipment within the various facilities maintained by the Facilities division. Enterprise Risk(s): This funding will mitigate against the identified infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.

### Project Comments/Reference

7221038

### Version Comments

### Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	50,000	50,000	50,000	50,000	50,000	50,000	0	0	50,000	50,000	400,000
Total	50,000	50,000	50,000	50,000	50,000	50,000	0	0	50,000	50,000	400,000
<b>Revenues</b>											
221 Service Sustainability Investm	50,000	50,000	50,000	50,000	50,000	50,000	0	0	50,000	50,000	400,000
Total	50,000	50,000	50,000	50,000	50,000	50,000	0	0	50,000	50,000	400,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies	Description		0	0
		2022	50,000	50,000	0	Any shortfalls will be handled by the operating budget.			
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2017	January 1, 2022	Growth: 0.0 % Maintenance: 100.0 %		Adrian Busa	Ongoing`				



## Project Version Summary

<b>Project #</b>	HCP-002-07	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facilities Operations
<b>Title</b>	Corporate Facilities Roof Replacement Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>												
The corporate roof replacement program has been revised to reflect the highest priority based on available funding. It should be noted, roofs which will not be replaced until funds are available will continue to deteriorate resulting in either emergency repairs and/or eventual, untimely and unfunded roof replacements.												
<b>Version Description</b>												
The City of Windsor has several building roofs that need attention. Jobs have been prioritized and estimated according to current status.												
Enterprise Risk(s): This funding will mitigate against the identified Infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.												
<b>Project Comments/Reference</b>						<b>Version Comments</b>						
See document attached for complete listing. 7085008												
<b>Project Detailed Forecast</b>												
<b>GL Account</b>		<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>												
5410	Construction Contracts - TCA	400,000	400,000	400,000	1,200,000	200,000	1,150,000	2,820,000	1,560,000	1,525,000	2,300,000	11,955,000
	Total	400,000	400,000	400,000	1,200,000	200,000	1,150,000	2,820,000	1,560,000	1,525,000	2,300,000	11,955,000
<b>Revenues</b>												
221	Service Sustainability Investm	400,000	400,000	400,000	1,200,000	200,000	1,150,000	2,820,000	1,560,000	1,525,000	2,300,000	11,955,000
	Total	400,000	400,000	400,000	1,200,000	200,000	1,150,000	2,820,000	1,560,000	1,525,000	2,300,000	11,955,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
Follows ENG-005-16		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
Project Title 2437 Howard Ave. Improvements Placeholder				Net City Cost	Subsidies				
		2007	150,000	150,000	0				
		2008	525,000	525,000	0				
		2009	285,000	285,000	0				
		2010	700,000	700,000	0				
		2011	740,000	740,000	0				
		2012	372,167	372,167	0				
		2014	355,320	355,320	0				
		2015	413,400	413,400	0				
		2016	456,000	456,000	0				
		2017	1,293,800	1,293,800	0				
		2018	471,100	471,100	0				
		2019	415,400	415,400	0				
		2020	1,330,500	1,330,500	0				
		2021	410,000	410,000	0				
		2022	400,000	400,000	0				
Year Identified	Start Date	Project Type for 2023		Project Lead		Est. Completion Date			
2007	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %		Adrian Busa / Ryan Schuchard		Ongoing`			



**ROOF BUDGET**

BUILDING	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2022-2032 Total
											** post Finance review	
1 Willistead Manor, Coach House, Gate House Repairs	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000							40,000
2 Willistead Manor, Coach House, Gate House Replacement	\$0	\$260,000					\$450,000				\$800,000	1,510,000
3 MacKenzie Hall (flat roof)												-
4 Roseland Golf Club												-
5 Bridgeview Library												-
6 Seminole Library												-
7 Glengary Community Centre (Gym Area)												-
8 Gino A Marcus CC		\$130,000	\$390,000									520,000
9 Pump Stations at Little River Yard												-
10 2450 McDougall												-
11 Optimist Memorial Park Washrooms and Storage												-
12 Remington Outdoor Pool Building												-
13 Charles Clark (zamboni building)												-
14 Charles Clark (concession building)												-
15 Jefferson Police Station TBD	\$180,000											-
16 2437 Howard (former Angileri Building) **												-
17 Central Heat Building at City Hall				\$20,000								20,000
18 Fire Apparatus (Kew Drive)				\$40,000	\$140,000							180,000
19 Public Works Administration (1266 McDougall)				\$280,000								280,000
21 Misc Parks Buildings (including shelter roofing)				\$50,000	\$50,000							100,000
22 Windsor Justice Facility (WJF)												-
23 Capri Recreation Complex									\$650,000	\$1,250,000	\$1,100,000	3,000,000
24 Fire Hall #3 - 2750 Ouellette Ave							\$105,000					105,000
25 Crawford Yard - Carpenter Shop							\$95,000					95,000
26 400 CHS					\$1,000,000							1,000,000
27 Computers4Kids - 4100 Sandwich Street	\$210,000						\$0					-
28 WJF (F403)												-
29 DND								\$1,700,000				1,700,000
30 930 Mercer							\$0		\$230,000			230,000
31 North Service Road Transfer Station-Admin Bldg								\$195,000				195,000
32 Atkinson Pool Park Washrooms							\$0	\$18,000				18,000
33 1231 Mercer									\$160,000			160,000
34 Lou Romano - Dewatering, Grit, Electrical Buildings							\$0	\$650,000				650,000
35 Lanspeary Arena (overlay metal roof, plus remove/reinstall solar system)						\$0	\$0		\$340,000			340,000
36 Baby House							\$0	\$45,000				45,000
37 WFCU									\$0		\$0	-
38 Paul Martin Building							\$0				\$0	-
39 FH1										\$275,000		275,000
40 1269 Mercer											\$390,000	390,000
41 Capitol Theatre							\$500,000					500,000
42 Jackson Park Shelter (by splash pad)			\$0									-
43 350 CHS												-
44 185 CHS												-
45 500 Tuscarora												-
46 Misc as per BCA							\$200,000	\$212,000	\$180,000		\$10,000	602,000
<b>TOTAL REQUESTED:</b>	<b>\$400,000</b>	<b>\$400,000</b>	<b>\$400,000</b>	<b>\$400,000</b>	<b>\$1,200,000</b>	<b>\$200,000</b>	<b>\$1,150,000</b>	<b>\$2,820,000</b>	<b>\$1,560,000</b>	<b>\$1,525,000</b>	<b>\$2,300,000</b>	<b>\$11,955,000</b>



# Project Version Summary

<b>Project #</b>	PFO-001-15	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facilities Operations
<b>Title</b>	Huron Lodge Environmental Services Equipment Replacement		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	Ward 1		
<b>Version Name</b>	Main (Active)		

**Project Description**

Huron Lodge is a long-term care residence for seniors. The equipment needs for this facility are extensive and must be in constant working order to be able to operate the residence according to the provincial standards set by the Ministry of Health and Long-Term Care.

**Version Description**

The anticipated kitchen, cleaning and laundry equipment are:  
 2026 - 2028 - Trash Compactor (\$400,000),  
 2029 - 2030 - Dock Leveler (\$100,000) and other miscellaneous equipment repairs  
 2032 - (\$100,000)

Enterprise Risk(s): This funding will mitigate against the identified infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.

Project Comments/Reference	Version Comments
7152003	

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5410	Construction Contracts - TCA	0	0	0	175,000	175,000	50,000	50,000	50,000	0	100,000	600,000
	Total	0	0	0	175,000	175,000	50,000	50,000	50,000	0	100,000	600,000
<b>Revenues</b>												
221	Service Sustainability Investm	0	0	0	175,000	175,000	50,000	50,000	50,000	0	100,000	600,000
	Total	0	0	0	175,000	175,000	50,000	50,000	50,000	0	100,000	600,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2015	120,000	120,000	0				
		2016	18,000	18,000	0				
		2019	60,000	60,000	0				
		2020	175,000	175,000	0				
					The lack of capital funding would result in further deterioration of the equipment and increase the likelihood of expenditures in the operating budget due to repairs.				
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2014	January 1, 2015	Growth: 0.0 % Maintenance: 0.0 %	Daryel Brisebois		Ongoing`				



# Project Version Summary

<b>Project #</b>	PFO-001-23	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>		<b>Division</b>	Facilities Operations
<b>Title</b>	Parks & Facilities Maintenance Funding		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	This project is created for the Capital refurbishment of existing structures and amenities found with the City's 205 Parks. Additionally the refurbishment of existing structures within the Parks & Facilities Department that are utilized to carry out the effective daily operations of our parkland.
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<b>Version Description</b>	Specific allocation of funds to be determined on an ongoing basis by the department based upon risk assessments and asset/inventory assessments.
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
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<b>Project Detailed Forecast</b>												
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total	
<b>Expenses</b>												
5410 Construction Contracts - TCA	0	0	0	40,000	0	0	0	0	0	100,000	140,000	
Total	0	0	0	40,000	0	0	0	0	0	100,000	140,000	
<b>Revenues</b>												
221 Service Sustainability Investm	0	0	0	40,000	0	0	0	0	0	100,000	140,000	
Total	0	0	0	40,000	0	0	0	0	0	100,000	140,000	

<b>Related Projects</b>	<b>Historical Approved Budget</b>	<b>Operating Budget Impact</b>
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<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2023		Growth: 0.0 % Maintenance: 0.0 %	James Chacko	Ongoing`
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## Project Version Summary

<b>Project #</b>	PFO-002-19	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facilities Operations
<b>Title</b>	Fountain Restoration and Repairs		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	Ward 2		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	
<p>This project is intended to fund capital costs for ongoing maintenance and restoration of all Facilities fountains including repainting, retiling, pump repairs, etc.</p> <p>As per CR250/2022:          II. That Council DIRECT Administration to MOVE FORWARD with Option 1: Floating Fountain design concept, and that Administration PERFORM public consultation and BRING FORWARD final design, costing and funding options for presentation to Council for the 2023 Capital Budget.</p> <p>The anticipated funding required for the new Peace Fountain based upon the approved conceptual plan has been included in the years 2023 to 2027. The final design will be presented to Council following the 2023 Capital Budget and additional public consultation.</p>	
<b>Version Description</b>	
<p>Specific work identified at this time is as follows:</p> <p>2023 - Peace Fountain (\$2,206,182)          2024 - Bert Weeks, Willistead and other fountain repairs (\$250,000)          2025 - Peace Fountain (\$2,624,046)          2026 - Peace Fountain (\$5,009,772)          2027 - Peace Fountain (\$500,000)</p> <p>Below funding be prioritized based on identified needs:          2025 - (\$250,000)          2027 - (\$160,000)</p>	
<b>Project Comments/Reference</b>	<b>Version Comments</b>
7209008/7211054	

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	2,206,182	250,000	2,874,046	5,009,772	660,000	0	0	0	0	0	11,000,000
Total		2,206,182	250,000	2,874,046	5,009,772	660,000	0	0	0	0	0	11,000,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	0	624,046	363,522	500,000	0	0	0	0	0	1,487,568
176	Canada Community-Building Fund	0	0	0	4,454,250	0	0	0	0	0	0	4,454,250
214	Tourism Devlmt Infrst & Prgm	0	0	1,250,000	0	0	0	0	0	0	0	1,250,000
221	Service Sustainability Investm	2,206,182	250,000	1,000,000	192,000	160,000	0	0	0	0	0	3,808,182
Total		2,206,182	250,000	2,874,046	5,009,772	660,000	0	0	0	0	0	11,000,000

Related Projects		Historical Approved Budget				Operating Budget Impact					
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact	
					Year	Total Expense					Net City Cost
2019	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %	Donovan Tremblay	Ongoing`	2020	50,000	50,000			0	0
					2022	449,500	449,500				

Any maintenance required prior to a full refurbishment may impact the operating budget.



# Project Version Summary

<b>Project #</b>	PFO-013-21	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facilities Operations
<b>Title</b>	Corporate Facility Equipment Maintenance Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

To repair and replace infrastructure equipment within Facilities. The equipment is costly to repair/replace and many items are reaching the end of their useful life. Annual funding is being requested to replace/repair aging infrastructure equipment, such as pumps, dock leveler, and trash compactor, etc. This budget will ensure that funds are available when infrastructure equipment throughout Facilities fails or needs replacement.

**Version Description**

Specific work identified at this time is as follows:  
 2023 - Outdoor pool equipment maintenance (\$48,000)  
 2024 - Outdoor pool equipment maintenance (\$23,000) /CHEMTROL system maintenance (\$27,000)  
 2025 - Gino Marcus CHEMTROL system (\$10,000)  
 2026 - Adventure Bay (\$1,000,000); Outdoor pool maintenance (\$50,000)  
 2028 - Adventure Bay Sound system (\$150,000)  
 2031 - BCA identified needs (\$50k)  
 2032 - BCA identified needs (\$75k)

Enterprise Risk(s): This funding will mitigate against the identified infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken

Project Comments/Reference	Version Comments
7219012	

GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	48,000	50,000	10,000	1,050,000	0	150,000	0	0	50,000	75,000	1,433,000
	Total	48,000	50,000	10,000	1,050,000	0	150,000	0	0	50,000	75,000	1,433,000
<b>Revenues</b>												
125	Dev Chg - Indoor Recreation	0	0	0	0	0	0	0	0	50,000	0	50,000
221	Service Sustainability Investm	48,000	50,000	10,000	1,050,000	0	150,000	0	0	0	75,000	1,383,000
	Total	48,000	50,000	10,000	1,050,000	0	150,000	0	0	50,000	75,000	1,433,000



Related Projects		Historical Approved Budget			Operating Budget Impact		
		Revenue					
		Year	Total Expense	Net City Cost	Subsidies		
		2021	63,000	63,000	0		
		2022	232,800	232,800	0		
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date		
2021		Growth: 0.0 % Maintenance: 100.0 %	Adrian Busa		TBD`		



## Project Version Summary

<b>Project #</b>	PFO-014-07	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facilities Operations
<b>Title</b>	Corporate Facilities Health & Safety Compliance		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

This is an ongoing program to address the deficiencies outlined in the corporate health and safety audit. Pending initiatives are brought forward as issues arise.

Facilities Operations finds itself called upon to resolve Health & Safety matters across the Corporation, with a limited corresponding source of funding. As identified in the recent OMBI performance indicators, Facilities Operations is responsible for providing service to over one million square feet of space among various City owned facilities. This includes ensuring that Health & Safety orders/complaints are followed up in a timely manner. Currently, many orders cannot be absorbed in the various operating budgets. Expectations are that, due to aging municipal facilities, an aging work force and the recent hiring of additional Ministry of Labour work force with respect to enforcing Bill C45, the demand for Health & Safety related replacements will steadily increase.

In addition, this program will fund the expenses incurred when Designated Substances, as defined in Ontario Regulation 490/90 of the OH&S Act, are encountered and required to be properly managed in municipal buildings. These substances are sometimes encountered unexpectedly during renovation projects or are discovered through a targeted investigation.

### Version Description

Issues that will require attention as a result of various Provincial Ministry and Municipal orders include but are not limited to the following:

- Designated substance remediation
- Mould remediation
- Work environment illumination levels as set forth by the Ministry of Labour
- Washroom rehabilitation
- Sidewalk/pathway trip hazards
- Flooring trip hazards & other structural hazards
- Air quality & noise replacements
- Arc flash & shock protection assessments
- Electrical safety authority orders to comply
- Fire prevention officer orders to comply

Outstanding orders from both the ESA and our own Health & Safety team are currently being compiled. It should be noted that this represents a running total that is fluid and changes over time. A backlog of work orders is anticipated based on Bill C-45, although dealt with as far as funding will allow. It can be effectively demonstrated that more funds will be required in future years.

### Project Comments/Reference

7086007 H&S /7001225 Designated Substance Remediation (replaced The Asbestos Abatement Program)

### Version Comments

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	100,000	125,000	100,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,375,000
Total		100,000	125,000	100,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,375,000
<b>Revenues</b>												
221	Service Sustainability Investm	100,000	125,000	100,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,375,000
Total		100,000	125,000	100,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,375,000
<b>Related Projects</b>		<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>						
				<b>Revenue</b>				<b>Effective Date</b> Unknown		<b>Exp/(Rev) FTE Impact</b>		
		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Description</b>				<b>0</b>	<b>0</b>	
		2007	75,000	75,000	0	No operating budget impact.						
		2008	150,000	150,000	0							
		2009	150,000	150,000	0							
		2010	150,000	150,000	0							
		2011	150,000	150,000	0							
		2012	150,000	150,000	0							
		2013	160,000	160,000	0							
		2014	150,000	150,000	0							
		2015	185,000	185,000	0							
		2017	150,000	150,000	0							
		2018	150,000	150,000	0							
		2019	90,000	90,000	0							
		2021	100,000	100,000	0							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>			<b>Est. Completion Date</b>					
2007	January 1, 2007	Growth: 0.0 % Maintenance: 100.0 %		Adrian Busa			Ongoing`					



# Project Version Summary

<b>Project #</b>	ECB-004-18	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Wigle Park Capital Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	Ward 3		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 On Tues. Jan. 16th, 2018, City Council approved the 2018 Enhanced Capital Budget Plan for a number of specific projects in the form of placeholder allocations subject to detailed reports to be prepared for Council's consideration.

**Version Description**  
 2023- Installation of a perimeter walking path and lighting \$175,000

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7186000	COMMITMENT: CR4/2019 - C 217/2018 - 2023 F169 \$175,000

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	175,000	0	0	0	0	0	0	0	0	0	175,000
Total	175,000	0	0	0	0	0	0	0	0	0	175,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
169CF Committed Funding	175,000	0	0	0	0	0	0	0	0	0	175,000
Total	175,000	0	0	0	0	0	0	0	0	0	175,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>			
			<b>Revenue</b>					
	<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>				
	2019	150,000	150,000	0				

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2018	March 1, 2018	Growth: 100.0 % Maintenance: 0.0 %	Darron Ahlstedt	TBD`



# Project Version Summary

<b>Project #</b>	ECB-011-18	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Stodgell Park Redevelopment		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	Ward 4		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 On Tues. Jan. 16th, 2018, City Council approved the 2018 Enhanced Capital Budget Plan for a number of specific projects in the form of placeholder allocations subject to detailed reports to be prepared for Council's consideration.

**Version Description**  
 Installation of an asphalt multi-use trail around the perimeter of the park, accessible parking lot and tree planting. All works will be completed in accordance with the approved Master Plan.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7182019	COMMITMENT: CR4/2019 - C 217/2018 - 2023 F169 \$460,000

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	460,000	0	0	0	0	0	0	0	0	0	460,000
Total	460,000	0	0	0	0	0	0	0	0	0	460,000
<b>Revenues</b>											
169CF Committed Funding	460,000	0	0	0	0	0	0	0	0	0	460,000
Total	460,000	0	0	0	0	0	0	0	0	0	460,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>	<b>Operating Budget Impact</b>

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2018	January 1, 2019	Growth: 100.0 % Maintenance: 0.0 %	Trevor Duquette	2023`
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# Project Version Summary

<b>Project #</b>	ECB-026-18	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Elizabeth Kishkon Park - Install Washroom		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	Ward 7		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 On Tues. Jan. 16th, 2018, City Council approved the 2018 Enhanced Capital Budget Plan for a number of specific projects in the form of placeholder allocations subject to detailed reports to be prepared for Council's consideration.

**Version Description**  
 Installation of a washroom facility at the east entrance to the park adjacent to the existing playground and parking lot.

Project Comments/Reference	Version Comments
7171024	COMMITMENT: CR507/2018 - S 138/2018: 2023 F169 \$400,000 CR350/2021 - C 90/2021: 2023 F169 \$50,000

Project Detailed Forecast											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	450,000	0	0	0	0	0	0	0	0	0	450,000
Total	450,000	0	0	0	0	0	0	0	0	0	450,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
169CF Committed Funding	450,000	0	0	0	0	0	0	0	0	0	450,000
Total	450,000	0	0	0	0	0	0	0	0	0	450,000



Related Projects		Historical Approved Budget			Operating Budget Impact										
			<table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">Total Expense</th> <th colspan="2">Revenue</th> </tr> <tr> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr> <td>2022</td> <td>150,000</td> <td>150,000</td> <td>0</td> </tr> </tbody> </table>		Year	Total Expense	Revenue		Net City Cost	Subsidies	2022	150,000	150,000	0	
Year	Total Expense	Revenue													
		Net City Cost	Subsidies												
2022	150,000	150,000	0												
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date											
2018	January 1, 2019	Growth: 100.0 % Maintenance: 0.0 %	Laura Ash	TBD`											



# Project Version Summary

<b>Project #</b>	ECB-028-18	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Improvements to Peche Island and Boat Access		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	Ward 7		
<b>Version Name</b>	Main (Active)		

**Project Description**

Funding for this project includes the purchase of pontoon boat, restorations to trails, washroom improvements, restoration of bridges and docks along with shoreline preservation.

On Tues. Jan. 16th, 2018, City Council approved the 2018 Enhanced Capital Budget Plan for a number of specific projects in the form of placeholder allocations subject to detailed reports to be prepared for Council's consideration.

**Version Description**

Allocated funds will be used for dock improvements, signage, trail and pedestrian bridge renovations, shore protection, accessible park amenities and a boat to transport the public to and from the island.

Capital funding has been added to this project for \$800,000 allocated in 2023 which represents portion of estimated expenditures in the future complete the project as a result of tender results provided by ERCA from regulatory requirements from the DFO. There is additional funding that will be required that has been identified in 2025 for \$500,000 and 2027 for \$263,670. This results in a total capital forecast for the shoreline protection work for Peche Island at \$1,563,670.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7193002, 7193003	COMMITMENTS: B18/2021 - C 20/2021: 2023 F169 \$800,000

<b>Project Detailed Forecast</b>		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5410	Construction Contracts - TCA	800,000	0	0	0	0	0	500,000	0	263,670	0	1,563,670
	Total	800,000	0	0	0	0	0	500,000	0	263,670	0	1,563,670
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
169CF	Committed Funding	800,000	0	0	0	0	0	0	0	0	0	800,000
221	Service Sustainability Investm	0	0	0	0	0	0	500,000	0	263,670	0	763,670
	Total	800,000	0	0	0	0	0	500,000	0	263,670	0	1,563,670

Related Projects		Historical Approved Budget			Operating Budget Impact														
			<table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">Total Expense</th> <th colspan="2">Revenue</th> </tr> <tr> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr> <td>2019</td> <td>3,750,000</td> <td>3,750,000</td> <td>0</td> </tr> <tr> <td>2020</td> <td>68,000</td> <td>68,000</td> <td>0</td> </tr> </tbody> </table>		Year	Total Expense	Revenue		Net City Cost	Subsidies	2019	3,750,000	3,750,000	0	2020	68,000	68,000	0	
Year	Total Expense	Revenue																	
		Net City Cost	Subsidies																
2019	3,750,000	3,750,000	0																
2020	68,000	68,000	0																
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date															
2018	March 1, 2018	Growth: 100.0 % Maintenance: 0.0 %	James Chacko	TBD`															



# Project Version Summary

<b>Project #</b>	ECB-029-18	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Wayfinding Signage and Markers - Ganatchio Trail/Little River		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	Ward 6, Ward 7		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 Wayfinding Signage and Markers is a very important program and safety feature in our parks which includes the installation of signs and kiosks along trails and throughout parks to help pedestrians orient themselves and navigate through parks. It is also a very important program to continue from a safety perspective to aid Police Fire and EMS to precise locations within our parks when people are in trouble.

**Version Description**  
 2023- Installation of wayfinding signage and markers along the Little River Corridor extension of the Ganatchio Trail to improve orientation for users and emergency services \$100,000  
 2024- Ojibway and West End Natural Areas \$0  
 2026- East End Radcliff trails and Malden park Trails \$0  
 2027- Riverfront Wayfinding Signage and Markers Design and Consulting \$0  
 2028- Riverfront Wayfinding Signage and Markers Implementation \$0  
 2030- Woodlots and Natural Area Park Trails \$0

Project Comments/Reference	Version Comments
7181047	COMMITMENT: CR4/2019 - C 217/2018 -2023 F169 \$100,000

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5410	Construction Contracts - TCA	100,000	0	0	0	0	0	0	0	0	0	100,000
	Total	100,000	0	0	0	0	0	0	0	0	0	100,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
169CF	Committed Funding	100,000	0	0	0	0	0	0	0	0	0	100,000
221	Service Sustainability Investm	0	0	0	0	0	0	0	0	0	0	0
	Total	100,000	0	0	0	0	0	0	0	0	0	100,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2018	January 1, 2019	Growth: 100.0 % Maintenance: 0.0 %	Trevor Duquette	2023



# Project Version Summary

<b>Project #</b>	ECB-041-18	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Off-Road Cycling Trails		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	Ward 2, Ward 7		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 In response to the public interest for off-road cycling courses, Council directed Administration to develop plans for constructing two types of cycling tracks at both Malden Park and Little River Corridor Park. This project includes the design and installation of off-road cycling trails along with required signage.

**Version Description**  
 This project involves the creation of off-road bicycle facilities in consultation with the community and with stakeholders.  
 2023- Malden Park and Little River Corridor Park single trails/ Pump Track at Little River Corridor Park \$500,000; Additional funding required for Little River Corridor Park \$200,000  
 2024- Additional funding required for Little River Corridor Park \$0  
 2028- Future Bike Park Development- planning and design \$0

Project Comments/Reference	Version Comments
7182020	COMMITMENT: CR4/2019 - C 217/2018: 2023 F169 \$500,000 CR331/2022 C 119/2022: 2023 F169 \$200,000

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5410	Construction Contracts - TCA	700,000	0	0	0	0	0	0	0	0	0	700,000
	Total	700,000	0	0	0	0	0	0	0	0	0	700,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
169CF	Committed Funding	700,000	0	0	0	0	0	0	0	0	0	700,000
	Total	700,000	0	0	0	0	0	0	0	0	0	700,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2021	200,000	200,000	0			0	0
		2022	200,000	200,000	0				
		Additional operating maintenance costs are forecasted for new amenity added to the parkland infrastructure. Service levels for these new off-road trails will be evaluated during the first year of operations to determine if additional budget funding will be required for Parks Operations on an annual basis.							
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2018	January 1, 2019	Growth: 100.0 % Maintenance: 0.0 %	Trevor Duquette		TBD`				



# Project Version Summary

<b>Project #</b>	ENG-002-14	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Riverside Drive Retaining Wall - Design & Construction & Facility Requirements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	Ward 3, Ward 4		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 This project is the continuation of the block retaining wall along the south limits of the new Festival Plaza between Riverside Drive and the Festival Plaza. Phase 1 of retaining runs from Glengarry to McDougal was completed in 2019/2020. The remaining wall will run from McDougal to Vane Udine Cr. The remaining portion of this retaining wall will provide stabilization for the roadway along riverside drive and will allow of a multiuse walkway to continually run along the length of Riverside Drive as per the Vista Riverside Drive Improvement Project.

**Version Description**  
 2031: Phase 2 Retaining wall Design Drawings \$101,982  
 2031-2032: Phase 2 Continuation of the wall \$1,648,018

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7182021 (closed), 7152005 Festival Plaza is used extensively as an anchor for many festivals and events to provide open air entertainment. The facility, and equipment within, need to support the requirements of the users.	

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	0	0	0	0	0	0	101,982	1,648,018	1,750,000
Total	0	0	0	0	0	0	0	0	101,982	1,648,018	1,750,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	101,982	1,648,018	1,750,000
Total	0	0	0	0	0	0	0	0	101,982	1,648,018	1,750,000



Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2019	675,000	675,000	0				
		2020	675,000	675,000	0				
		2022	50,000	50,000	0				
					No operating budget impact.				
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2014	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %	Wadah Al-Yassiri		2030				



# Project Version Summary

<b>Project #</b>	PFO-001-17	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Adult Exercise Equipment		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	Ward 9		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	To install adult exercise equipment in various park locations.
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<b>Version Description</b>	Funding has been identified as required for the installation of exercise equipment throughout various parkland. An annual placeholder of \$150,000 has been established within the ten year capital forecast for years 2031 and 2032 respectively for Parks administration to determine the optimal park location for this amenity.
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
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<b>Project Detailed Forecast</b>												
<b>GL Account</b>	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total	
<b>Expenses</b>												
5410 Construction Contracts - TCA	0	0	0	0	0	0	0	0	150,000	150,000	300,000	
Total	0	0	0	0	0	0	0	0	150,000	150,000	300,000	
<b>Revenues</b>												
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	150,000	150,000	300,000	
Total	0	0	0	0	0	0	0	0	150,000	150,000	300,000	

<b>Related Projects</b>	<b>Historical Approved Budget</b>	<b>Operating Budget Impact</b>	
		<b>Effective Date</b>	Unknown
		<b>Description</b>	<b>Exp/(Rev) FTE Impact</b>
			0 0
		Adult Exercise Equipment have a financial impact on the Operating budget. Replacement parts and repairs will be necessary over the lifespan of the equipment.	

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2017	May 3, 2021	Growth: 0.0 % Maintenance: 0.0 %	Wadah Al-Yassiri	TBD`
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# Project Version Summary

<b>Project #</b>	PFO-001-22	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>		<b>Division</b>	Parks
<b>Title</b>	Self-Watering Planters		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	Purchase of additional self-watering planters of various sizes are to replace damaged or discoloured, to add to our existing inventory in areas that are deficient within the BIA's and parklands. These planters are twinned with current stand-alone planters at various City locations.
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<b>Version Description</b>	2023- 2030: Annual installation and replacement of planters located in avenue or promenade \$0 2031: Replacement of planters in avenue or promenade \$60,000 2032: Replacement of planters in avenue or promenade \$72,000
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<b>Project Comments/Reference</b>	<b>Version Comments</b>

<b>Project Detailed Forecast</b>												
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total	
<b>Expenses</b>												
5410 Construction Contracts - TCA	0	0	0	0	0	0	0	0	60,000	72,000	132,000	
Total	0	0	0	0	0	0	0	0	60,000	72,000	132,000	
<b>Revenues</b>												
221 Service Sustainability Investm	0	0	0	0	0	0	0	0	60,000	72,000	132,000	
Total	0	0	0	0	0	0	0	0	60,000	72,000	132,000	

<b>Related Projects</b>	<b>Historical Approved Budget</b>	<b>Operating Budget Impact</b>

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>

2022		Growth: 0.0 % Maintenance: 0.0 %	Wanda Letourneau	TBD`
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# Project Version Summary

<b>Project #</b>	PFO-002-15	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Playgrounds Replacement Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 This project will capture the costs of the playground replacement program as a result of the independent audit, compliance with CSA guidelines and AODA standards.

**Version Description**  
 There is a listing included with Council Report C 142/2017 highlighting the prioritization of playgrounds which will be replaced based upon condition and inspections reports. The report also identifies an annual funding requirement for playground replacements over the next 20 years of \$1.5 to \$2M.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7171090	COMMITMENT: CR367/2021 - C 95/2021: 2023 F221 \$1,343,875 - 2024 F221 \$2,510,302 - 2025 F221 \$2,226,728 - 2026 F221 \$1,771,647

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	1,343,875	2,510,302	2,226,728	2,903,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	20,983,905
Total	1,343,875	2,510,302	2,226,728	2,903,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	20,983,905
<b>Revenues</b>											
221 Service Sustainability Investm	0	0	0	1,131,353	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	13,131,353
221CF Committed Funding	1,343,875	2,510,302	2,226,728	1,771,647	0	0	0	0	0	0	7,852,552
Total	1,343,875	2,510,302	2,226,728	2,903,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	20,983,905

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2018	2,654,172	2,654,172	0				
		2019	480,000	480,000	0				
		2020	224,595	224,595	0				
		2021	1,826,021	1,826,021	0				
		2022	1,577,448	1,577,448	0				
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>		<b>Est. Completion Date</b>			
2014	October 1, 2014	Growth: 0.0 % Maintenance: 100.0 %		Trevor Duquette/Laura Ash		Ongoing`			



# Project Version Summary

<b>Project #</b>	PFO-002-21	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>		<b>Division</b>	Parks
<b>Title</b>	Parks Drainage Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

To establish annual capital funding to improve parks with drainage issue to mitigate flooding which occurs during periods of heavy rainfall. There has been significant drainage issues in parks which has resulted in the flooding of residential properties that are adjacent to parkland throughout the City. An extensive conditional assessment review is required to identify parks that may present significant risk to the residential properties and result in flooding in parkland. The drainage issues also result in flooded sports field which result in the cancellation of events and the loss of revenue for the City recreation division. The flooding that occurs in parkland delays the commencement of grass maintenance as a result of the weight of the park equipment. Improvements to park drainage would reduce the standing water volumes and mitigate the potential damage to parkland and sports fields in periods subsequent to heavy precipitations levels. The projects under this funding will be based upon a conditional review of the drainage for parks to determine the prioritization based upon areas of need.

**Version Description**

2023-2025: Annual capital funding for drainage improvements \$175,000 to be included in sewer surcharge report as expenditures are eligible for funding. C 8/2021  
 2026- 2032: Annual capital funding requirement for drainage improvements \$200,000 to be included in sewer surcharge report as expenditures are eligible for funding. C 8/2021

Project Comments/Reference	Version Comments
7219013	CR331/2022 C 119/2022: 2023 F153 \$175,000

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account Expenses</b>												
5410	Construction Contracts - TCA	175,000	175,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,925,000
	Total	175,000	175,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,925,000
<b>Revenues</b>												
028	Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
028CF	Committed Funding	0	0	0	0	0	0	0	0	0	0	0
153	Sewer Surcharge	0	175,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,750,000
153CF	Committed Funding	175,000	0	0	0	0	0	0	0	0	0	175,000
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
	Total	175,000	175,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,925,000



Related Projects		Historical Approved Budget			Operating Budget Impact														
			<table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">Total Expense</th> <th colspan="2">Revenue</th> </tr> <tr> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr> <td>2021</td> <td>125,000</td> <td>125,000</td> <td>0</td> </tr> <tr> <td>2022</td> <td>125,000</td> <td>125,000</td> <td>0</td> </tr> </tbody> </table>		Year	Total Expense	Revenue		Net City Cost	Subsidies	2021	125,000	125,000	0	2022	125,000	125,000	0	
Year	Total Expense	Revenue																	
		Net City Cost	Subsidies																
2021	125,000	125,000	0																
2022	125,000	125,000	0																
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date															
2021		Growth: 0.0 % Maintenance: 100.0 %	Wadah Al-Yassiri/ Jamie Scott	Ongoing`															



# Project Version Summary

<b>Project #</b>	PFO-003-18	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Fred Thomas Splash Pad (Glengarry)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	Ward 3		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>
Council Resolution B54/2017 approved \$300,000 to be charged to 2020 Pay as You Go funding for work planned for the Fred Thomas Splash Pad along Glengarry Avenue. Funding for this project is reserved for a splash pad at either Fred Thomas park or alternative park in the Glengarry neighbourhood.

<b>Version Description</b>
2023: Splash pad construction for Fred Thomas Park \$150,000

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7223004	COMMITMENT: CR550/2021 - C 186/2021: F169 2023 \$150,000

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	150,000	0	0	0	0	0	0	0	0	0	150,000
Total	150,000	0	0	0	0	0	0	0	0	0	150,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
169CF Committed Funding	150,000	0	0	0	0	0	0	0	0	0	150,000
Total	150,000	0	0	0	0	0	0	0	0	0	150,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>			<b>Operating Budget Impact</b>	
			<b>Revenue</b>		
	<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	
	2020	300,000	300,000	0	
	2021	300,000	300,000	0	

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2018	January 15, 2020	Growth: 100.0 % Maintenance: 0.0 %	Sherif Barsom	2023`



# Project Version Summary

<b>Project #</b>	PFO-003-19	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Parks Lighting		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**  
Placeholder for the installation of new park lighting required for parkland and the replacement of existing lighting which is beyond the useful life. There are many lighting structures located in parks where poles have worn due to age and are in need of renovation to protect the lighting structure and ensure maximum safety to the public. This capital project will ensure asset management principles are maintained within the infrastructure in Parks.

**Version Description**  
Parks lighting was identified by the public as a significant amenity within parklands in the Parks master plan. Parks administration identified the requirement for annual expenditures of \$100,000 within the ten year forecast period with the exception of 2031 and 2032 which has \$500,000 and \$300,000 forecasted respectively.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7191011/7201022	COMMITMENT: CR331/2022 C 119/2022: 2023 F221 \$100,000

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	500,000	300,000	1,600,000
Total	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	500,000	300,000	1,600,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	400,000	0	400,000
221 Service Sustainability Investm	0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	300,000	1,100,000
221CF Committed Funding	100,000	0	0	0	0	0	0	0	0	0	100,000
Total	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	500,000	300,000	1,600,000

Related Projects		Historical Approved Budget			Operating Budget Impact
			<b>Revenue</b>		
		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>
		2019	38,500	38,500	0
		2020	100,000	100,000	0
		2021	100,000	100,000	0
		2022	425,000	425,000	0
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date	
2019		Growth: 0.0 % Maintenance: 100.0 %	James Chacko/ Jamie Scott	Ongoing`	



# Project Version Summary

<b>Project #</b>	PFO-003-21	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>		<b>Division</b>	Parks
<b>Title</b>	Parks Fencing and Railings		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	To identify capital funding required for the replacement and restoration of park fencing and railing located within parks across the city and along our riverfront.
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<b>Version Description</b>	<p>Parks administration identified annual capital expenditures requirements of \$125,000 from 2023 to 2025 and increasing to \$225,000 from 2026 to 2028. However given the current financial conditions the capital funding restrictions did not allow them to be included in this forecast at this time. Specific areas were identified below to be considered in the future capital budget development in this category.</p> <p>2023- 2027 Construction of Alexander Park railings \$0          2031- St. Paul railing construction \$225,000</p>
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<b>Project Comments/Reference</b>	<b>Version Comments</b>

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	0	0	0	0	0	0	225,000	325,000	550,000
Total	0	0	0	0	0	0	0	0	225,000	325,000	550,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
221 Service Sustainability Investm	0	0	0	0	0	0	0	0	225,000	325,000	550,000
Total	0	0	0	0	0	0	0	0	225,000	325,000	550,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2021		Growth: 0.0 % Maintenance: 0.0 %	Wadah Al-Yassiri	Ongoing`



# Project Version Summary

<b>Project #</b>	PFO-003-22	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>		<b>Division</b>	Parks
<b>Title</b>	Walking Trail in Parks		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	Funding was identified as required for the establishment of walking trails for pedestrians within various parkland as part of the Parks master plan.
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<b>Version Description</b>	2031: \$700K - Trail at Robert McDonald Park \$50K for Lighting at Ford Test Track Field
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
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<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	0	0	0	0	0	0	750,000	0	750,000
Total	0	0	0	0	0	0	0	0	750,000	0	750,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	750,000	0	750,000
Total	0	0	0	0	0	0	0	0	750,000	0	750,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>	<b>Operating Budget Impact</b>
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<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2022		Growth: 0.0 % Maintenance: 0.0 %	Wadah Al-Yassiri	TBD`
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# Project Version Summary

<b>Project #</b>	PFO-004-21	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Parks Sports Courts Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	This program fully replaces and rebuilds existing sports courts or creates new ones in the city based on the parks and recreation master plans.
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<b>Version Description</b>	2023: Sports Court refurbishment \$300,000 2025: Sports Court refurbishment \$50,000; Forest Glade Tennis/Pickleball Court \$145,000 2031: Sports Court refurbishment \$582,000 2032: Sports Court refurbishment \$400,000
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
7212007/7221065	COMMITMENT: CR347/2021 - C 61/2021: 2023 F169 \$300,000 - 2025 F169 \$50,000

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	300,000	0	195,000	0	0	0	0	0	582,000	400,000	1,477,000
Total	300,000	0	195,000	0	0	0	0	0	582,000	400,000	1,477,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	145,000	0	0	0	0	0	582,000	400,000	1,127,000
169CF Committed Funding	300,000	0	50,000	0	0	0	0	0	0	0	350,000
221 Service Sustainability Investm	0	0	0	0	0	0	0	0	0	0	0
Total	300,000	0	195,000	0	0	0	0	0	582,000	400,000	1,477,000

Related Projects		Historical Approved Budget			Operating Budget Impact	
			Revenue			
		<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	
		2021	500,000	500,000	0	
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date		
2021		Growth: 215.0 % Maintenance: (115.0 %)	Darron Ahlstedt	Ongoing`		



# Project Version Summary

<b>Project #</b>	PFO-004-22	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>		<b>Division</b>	Parks
<b>Title</b>	Pave Parkside Tennis and Jackson Park for Bright Lights		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	Pavement of areas related to the Parkside tennis access and parking lot for Windsor Lawn Bowling club.
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<b>Version Description</b>	2031- \$450k to pave the tennis areas and the entire area up to and including the north side of the lawn bowling club.
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
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<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	0	0	0	0	0	0	450,000	0	450,000
Total	0	0	0	0	0	0	0	0	450,000	0	450,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	450,000	0	450,000
Total	0	0	0	0	0	0	0	0	450,000	0	450,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>	<b>Operating Budget Impact</b>
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<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2022		Growth: 0.0 % Maintenance: 0.0 %	Wadah Al-Yassiri	
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# Project Version Summary

<b>Project #</b>	PFO-005-12	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Regional Parks Rehabilitation Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 Regional Parks have a higher service level and benefit the entire community, surrounding communities, tourist and visitors to Windsor. Regional Park projects focus on park redevelopment including improvements to major park amenities such as fountains, buildings, community centres, gateway features and other heritage items that may be present. Regional parks include riverfront parks, sports parks, horticultural displays and heritage parks.

**Version Description**  
 2024: Jackson Park planning, design and restorations for the sunken garden \$400,000 (Phase One)  
 2025: Jackson Park Sunken Garden Restorations \$300,000 (Phase Two)  
 2026: Jackson Park Sunken Garden restorations continuation \$500,000 (Phase Two)  
 2027: Jackson Parks Sunken Garden water fountain restorations \$600,000  
 2028: Coventry Gardens retaining walls and pathway \$300,000  
 2029-2030: Jackson Park Gate restorations \$600,000  
 2031: Coventry Gardens Redevelopment \$300,000

Project Comments/Reference	Version Comments
7151013/7181027/7161024 (Closed) 7129002/7171065/7171027/7181026/7201020/7221022	

Project Detailed Forecast											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	400,000	300,000	500,000	600,000	300,000	300,000	300,000	300,000	0	3,000,000
Total	0	400,000	300,000	500,000	600,000	300,000	300,000	300,000	300,000	0	3,000,000
<b>Revenues</b>											
151 Parks/Rec/Facil Acquis Funding	0	0	0	0	0	0	0	0	0	0	0
221 Service Sustainability Investm	0	400,000	300,000	500,000	600,000	300,000	300,000	300,000	300,000	0	3,000,000
Total	0	400,000	300,000	500,000	600,000	300,000	300,000	300,000	300,000	0	3,000,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2012	585,000	585,000	0				
		2013	336,379	174,750	161,629				
		2014	510,000	510,000	0				
		2015	831,000	831,000	0				
		2016	220,000	220,000	0				
		2017	500,000	500,000	0				
		2018	500,000	500,000	0				
		2019	1,000,000	1,000,000	0				
		2020	250,000	250,000	0				
		2021	955,000	955,000	0				
		2022	200,000	200,000	0				
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2012	January 1, 2015	Growth: 0.0 % Maintenance: 0.0 %	Wadah Al-Yassiri		Ongoing`				



# Project Version Summary

<b>Project #</b>	PFO-005-18	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Shorewall Capital Rehabilitation Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	Ward 3, Ward 7		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	This capital program is for the repair/refurbishment/replacement of shorewalls along the riverfront.
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<b>Version Description</b>	Work will be identified through the conditional assessment report . These are placeholder values only. Funding will be allocated based on failing infrastructure and a future report to council of required funding association with each segment.
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
7209006	

<b>Project Detailed Forecast</b>												
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total	
<b>Expenses</b>												
5410 Construction Contracts - TCA	8,885	0	0	0	592,000	2,295,266	600,000	600,000	600,000	600,000	5,296,151	
Total	8,885	0	0	0	592,000	2,295,266	600,000	600,000	600,000	600,000	5,296,151	
<b>Revenues</b>												
221 Service Sustainability Investm	8,885	0	0	0	592,000	2,295,266	600,000	600,000	600,000	600,000	5,296,151	
Total	8,885	0	0	0	592,000	2,295,266	600,000	600,000	600,000	600,000	5,296,151	

<b>Related Projects</b>	<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>			
			<b>Revenue</b>					
	<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>				
	2020	1,740	1,740	0				
	2021	135,621	135,621	0				
2022	425,003	425,003	0					

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2018	May 1, 2018	Growth: 0.0 % Maintenance: 100.0 %	Wadah Al-Yassiri	Ongoing`
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# Project Version Summary

<b>Project #</b>	PFO-005-19	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Parks & Recreation Service and Infrastructure Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	Parks and Recreation service and infrastructure rehabilitation throughout the City. This funding represents a placeholder for installation or replacement of significant features in a Park or in a Recreation Facility.
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<b>Version Description</b>	Boer War Monument
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
7204002	COMMITMENT: CR195/2020 - S 109/2019 (SCM 92/2020): 2023 F221 \$105,000.

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	105,000	395,000	500,000	0	0	0	0	0	0	0	1,000,000
Total	105,000	395,000	500,000	0	0	0	0	0	0	0	1,000,000
<b>Revenues</b>											
221 Service Sustainability Investm	0	395,000	500,000	0	0	0	0	0	0	0	895,000
221CF Committed Funding	105,000	0	0	0	0	0	0	0	0	0	105,000
Total	105,000	395,000	500,000	0	0	0	0	0	0	0	1,000,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>	<b>Operating Budget Impact</b>

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2019	January 1, 2023	Growth: 0.0 % Maintenance: 100.0 %	Ray Mensour	Ongoing`



## Project Version Summary

<b>Project #</b>	PFO-005-20	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Natural Areas Management Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

The Natural Areas division is responsible for multiple sites of 620 acres of natural areas, 600m of fencing, 9200m of trails, bridges, gates, boardwalks, interpretive and wayfinding signage. The natural areas include Ojibway Park, Black Oak Heritage Park, Tallgrass Prairie Heritage Park, Spring Garden Natural Area, Peche Island, South Cameron Woodlot, and Oakwood Natural Area.

These areas need to be monitored for public safety, species at risk, invasive species, vandalism, unauthorized uses, destruction of nationally significant natural areas, hazardous conditions both from flooding and winds as well as people modifying the landscape and using it inappropriately.

Management of these natural areas include repair and maintenance of public accessible amenities (signage, trails, boardwalks, bridges, boardwalks), protection for species at risk (compliance with Endangered Species Act, 2007), preservation of nationally endangered ecosystems, control of invasive species, and monitoring of ecosystems and biodiversity.

These management works are necessary to mitigate risk and to protect the City's investment in these highly sensitive and nationally significant natural areas.

There is a the potential to apply for grants that would provide matching funds which would be used to do additional work to catch up on the backlog of invasive species removal and prescribed burning of fire-dependant ecosystems. Initially work would begin within Black Oak Heritage Park due to the ongoing pressures and backlog of management works at that site.

### Version Description

The estimated costs for this project represent an annual estimate. The Black Oak Management Plan which was approved by council in 2019 made it apparent that a capital budget will be required in order to implement the recommendations included in the plan.

### Project Comments/Reference

7219014

### Version Comments

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	200,000	100,000	100,000	100,000	100,000	150,000	150,000	150,000	200,000	200,000	1,450,000
Total		200,000	100,000	100,000	100,000	100,000	150,000	150,000	150,000	200,000	200,000	1,450,000
<b>Revenues</b>												
221	Service Sustainability Investm	200,000	100,000	100,000	100,000	100,000	150,000	150,000	150,000	200,000	200,000	1,450,000
Total		200,000	100,000	100,000	100,000	100,000	150,000	150,000	150,000	200,000	200,000	1,450,000
<b>Related Projects</b>		<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>						
				<b>Revenue</b>								
		<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>							
		2021	100,000	100,000	0							
		2022	100,000	100,000	0							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>			<b>Est. Completion Date</b>					
2020	April 1, 2020	Growth: 0.0 % Maintenance: 100.0 %		Yemi Adeyeye			Ongoing`					



# Project Version Summary

<b>Project #</b>	PFO-005-21	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Park Splash Pads		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

Splash pads are a popular park amenity and are recommended as per the Parks, Recreation and Environmental Master plans. They will be implemented accordingly across the City as per planning documents funding required for design and construction. This funding does not include washrooms or change rooms which are required to properly service this park amenity. Parks without existing washroom facilities will need to seek additional funding.

**Version Description**

Parks administration had identified the capital requirement for splash pads to provide greater level of amenities within Community and Neighbourhood parkland. The estimated expenditures required preliminary design work and construction costs for each splash pad. Due to current financial conditions the capital funding restrictions only allowed for funding of the Fontainebleau Splash Pad, which is also being funded through a contribution from the Councillor's Ward Funds

2023-2024 : Fontainebleau Splash Pad \$100,000

Other specific locations have been identified below for future consideration:

2025- Alexander Park Splash Pad construction \$0  
 2027- Elizabeth Kishkon Splash Pad construction \$0  
 2031- Additional Splash Pad Locations \$400,000  
 2032- Additional Splash Pad Locations \$500,000

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7214001-Fontainebleau Splash Pad	COMMITMENT: CR348/2021 - S 73/2021: 2023 F169 \$50,000 - 2024 \$169 \$50,000 (Fontainebleau Splash Pad)

<b>Project Detailed Forecast</b>		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	50,000	50,000	0	0	0	0	0	0	400,000	500,000	1,000,000
	Total	50,000	50,000	0	0	0	0	0	0	400,000	500,000	1,000,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	400,000	500,000	900,000
169CF	Committed Funding	50,000	50,000	0	0	0	0	0	0	0	0	100,000
	Total	50,000	50,000	0	0	0	0	0	0	400,000	500,000	1,000,000

Related Projects		Historical Approved Budget			Operating Budget Impact	
		Revenue				
Year	Total Expense	Net City Cost	Subsidies			
2021	50,000	50,000	0			
2022	50,000	50,000	0			
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date		
2021		Growth: 100.0 % Maintenance: 0.0 %	Wadah Al-Yassiri	Ongoing`		



# Project Version Summary

<b>Project #</b>	PFO-005-22	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	New Multi-Use Trails		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

For the development of new trails within parkland that are deficient in this amenity or without existing trails. This capital funding would be allocated to areas in the City that Parks administration would determine to be in the greatest need of multi-use trails and would be evaluated on an annual basis. Parks Master Plan identified trails to be one of the most important recreational amenities in parks.

**Version Description**

Parks administration identified annual capital expenditures requirements of \$450,000 for the five year forecast from 2023 to 2031. However given the current financial conditions the capital funding restrictions did not allow them to be included in this forecast at this time until 2032. Parkland will continued to be evaluated during the ten year forecast period for opportunities to add this asset subject to future Council approval.

Project Comments/Reference	Version Comments
7221023	

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	0	600,000	0	0	0	0	0	450,000	1,050,000
Total	0	0	0	600,000	0	0	0	0	0	450,000	1,050,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	600,000	0	0	0	0	0	450,000	1,050,000
Total	0	0	0	600,000	0	0	0	0	0	450,000	1,050,000

Related Projects	Historical Approved Budget				Operating Budget Impact
	Year	Total Expense	Revenue		
			Net City Cost	Subsidies	
2022	300,000	300,000	0		

Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
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2022		Growth: 0.0 % Maintenance: 0.0 %	Wadah Al-Yassiri/ James Chacko	
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# Project Version Summary

<b>Project #</b>	PFO-006-12	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Community Parks Rehabilitation Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>												
Community parks vary in size and are designed to service a diverse population and provide opportunities for all types of recreation, social and cultural activities. Community parks have more amenities than neighbourhood parks and can include large sport fields, splash pads, community centres, large playground areas, sport courts, picnic shelters and other park amenities. Projects undertaken will focus on rehabilitating major park amenities.												
<b>Version Description</b>												
2023: Lanspeary Park Improvements- \$500,000 2026: MacDonald Park Design- \$250,000; Lanspeary Park Improvements- \$250,000 2027: Lanspeary Park Improvements- \$1,300,000												
<b>Project Comments/Reference</b>						<b>Version Comments</b>						
7171024/7191039/7221024 Closed:7129011/7151014/7181042												
<b>Project Detailed Forecast</b>												
<b>GL Account</b>		<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>												
5410	Construction Contracts - TCA	500,000	0	0	500,000	1,300,000	0	0	0	0	0	2,300,000
	Total	500,000	0	0	500,000	1,300,000	0	0	0	0	0	2,300,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
221	Service Sustainability Investm	500,000	0	0	500,000	1,300,000	0	0	0	0	0	2,300,000
	Total	500,000	0	0	500,000	1,300,000	0	0	0	0	0	2,300,000

Related Projects		Historical Approved Budget			Operating Budget Impact
			Revenue		
		<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>
		2013	450,000	450,000	0
		2014	751,282	751,282	0
		2015	750,000	750,000	0
		2016	577,000	577,000	0
		2017	250,000	250,000	0
		2019	500,000	500,000	0
		2020	500,000	500,000	0
		2021	250,000	250,000	0
		2022	250,000	250,000	0
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date	
2012	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %	Sherif Barsom	Ongoing`	



# Project Version Summary

<b>Project #</b>	PFO-006-19	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Recycling Silos in Parks		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	Purchase and installation of additional recycling silos which would be twinned with current stand alone garbage silos at City Parks. Installation of new recycling silos in areas that are deficient within parklands.
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<b>Version Description</b>	2023: Purchase and installation of additional recycling silos which would be twinned with current stand alone garbage silos at City Parks 2024- 2032:: Installation of new recycling silos in areas that are deficient within parklands.
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
7192008	COMMITMENTS: CR331/2022 C 119/2022: 2023 F169 \$64,000

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
2230 Infrastructure Maint. Material	64,000	64,000	64,000	64,000	64,000	25,000	25,000	25,000	82,000	82,000	559,000
Total	64,000	64,000	64,000	64,000	64,000	25,000	25,000	25,000	82,000	82,000	559,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	64,000	64,000	64,000	64,000	25,000	25,000	25,000	82,000	82,000	495,000
169CF Committed Funding	64,000	0	0	0	0	0	0	0	0	0	64,000
Total	64,000	64,000	64,000	64,000	64,000	25,000	25,000	25,000	82,000	82,000	559,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>			
			<b>Revenue</b>					
	<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>				
	2019	65,000	65,000	0				
	2020	64,000	64,000	0				
	2021	64,000	64,000	0				
	2022	64,000	64,000	0				

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2019	May 1, 2019	Growth: 100.0 % Maintenance: 0.0 %	James Chacko/ Jamie Scott	Ongoing`



# Project Version Summary

<b>Project #</b>	PFO-006-20	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Riverfront Walkway Stabilization		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	Ward 3, Ward 7		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>
Project funding is to ensure the integrity and stabilization of the walkway located at the river's edge. Stabilization of the walkway is not related to the shore wall infrastructure which is funded separate. This project is supported by the asset management principles as detailed in report S 129/2019.

<b>Version Description</b>
2025: Riverfront Walkway restorations Legacy Park - \$1,500,000 2026: Riverfront Walkway restoration Legacy Park - \$500,000 2028: Riverfront Walkway restorations St. Paul Pumping Station- \$500,000 2029: Riverfront Walkway restorations St. Paul Pumping Station- \$500,000 2030: Riverfront Walkway restorations Centennial Park- \$500,000 2031: Riverfront Walkway restorations Centennial Park- \$500,000

<b>Project Comments/Reference</b>	<b>Version Comments</b>

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	1,500,000	500,000	0	500,000	500,000	500,000	500,000	0	4,000,000
Total	0	0	1,500,000	500,000	0	500,000	500,000	500,000	500,000	0	4,000,000
<b>Revenues</b>											
221 Service Sustainability Investm	0	0	1,500,000	500,000	0	500,000	500,000	500,000	500,000	0	4,000,000
Total	0	0	1,500,000	500,000	0	500,000	500,000	500,000	500,000	0	4,000,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2020		Growth: 0.0 % Maintenance: 0.0 %	Wadah Al-Yassiri	Ongoing`



# Project Version Summary

<b>Project #</b>	PFO-007-11	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Tree Maintenance and Urban Forest Enhancement Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

## Project Description

The Forestry Division is responsible for the maintenance of approximately 65,000 street trees along the right-of-way and 20,000 parkland trees. In addition to this, the division also ensures that the City's natural areas are cared for in a responsible way. Tree maintenance involves the trimming of trees to promote health, longevity and safety while tree and stump removal is reserved for trees that are badly damaged by storms and or for trees that are in decline from age and other environmental factors. Historically, the Division has carried out limited preventative maintenance programs, through area trims but on a small scale (ie. area trim that was completed in Forest Glade back in 2015). However, as the City's trees have matured and aged and as storms continue to take their toll on their condition, the Division strictly operates on a reactive basis, fielding over 5,500 calls per year for maintenance.

An update of the Forestry plan was presented to Council via report S184/2017 to propose a preventative maintenance program which would not only improve the health and safety of the City's trees but would also serve to prevent the future occurrence of another tree maintenance backlog. The Council report recommended that \$2,080,000 be referred to the future capital budget deliberations. This project funding level would be required to maintain appropriate asset management principles.

## Version Description

The funding allocated for this project has yielded positive results for the division. Recent restructuring to the Division and its contracts have increased the capacity and production of our division in terms of inspections and completed work orders. Waiting times for tree maintenance has been significantly reduced over the last few years. Not only will this program reduce the number of complaints, service requests and the likelihood of another tree maintenance back log from occurring, but will also improve the health of the City's urban forest while reducing the number of tree related claims and liability exposure to the City.

2023:  
 \$1,544,143 Tree Trimming Preventative Maintenance  
 \$250,000 Tree Planting  
 \$200,000 Tree Removals  
 TOTAL: \$1,994,143

2024:  
 \$1,795,143 Tree Trimming Preventative Maintenance  
 \$250,000 Tree Planting  
 \$200,000 Tree Removals  
 TOTAL: \$2,245,143

2025:  
 \$1,544,143 Tree Trimming Preventative Maintenance  
 \$250,000 Tree Planting  
 \$200,000 Tree Removals  
 TOTAL: \$1,994,143

2026:  
 \$1,580,000 Tree Trimming Preventative Maintenance  
 \$250,000 Tree Planting



\$250,000 Tree Removals  
TOTAL: \$2,080,000

2027:  
\$1,580,000 Tree Trimming Preventative Maintenance  
\$250,000 Tree Planting  
\$250,000 Tree Removals  
TOTAL: \$2,080,000

2028:  
\$1,580,000 Tree Trimming Preventative Maintenance  
\$250,000 Tree Planting  
\$250,000 Tree Removals  
TOTAL: \$2,080,000

2029:  
\$1,580,000 Tree Trimming Preventative Maintenance  
\$250,000 Tree Planting  
\$250,000 Tree Removals  
TOTAL: \$2,080,000

2030:  
\$1,580,000 Tree Trimming Preventative Maintenance  
\$250,000 Tree Planting  
\$250,000 Tree Removals  
TOTAL: \$2,080,000

2031:  
\$1,580,000 Tree Trimming Preventative Maintenance  
\$250,000 Tree Planting  
\$250,000 Tree Removals  
TOTAL: \$2,080,000

2032:  
\$1,600,000 Tree Trimming Preventative Maintenance  
\$250,000 Tree Planting  
\$250,000 Tree Removals  
TOTAL: \$2,100,000

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7131021	<p>COMMENTS: The Corporate asset management plan report S129/2019 was presented to Council on July 29th, 2019 which indicates the annual funding requirement for preventative tree maintenance of \$2,080,000 which represents a funding shortfall of \$1,294,143 with an average of \$785,857 from 2019 to 2025.</p> <p>Response to Council Directive B32/2018 "That Administration provide information on any available subsidized programs which may exist by investigating best practices used in other municipalities; and that this information be provided during the 2019 Budget deliberation process". UPDATE Administration continues to seek opportunities to address this request . To date no funding programs have been found to assist with this addressing this need and or the eligibility requirements were such that we were not able to apply. Administration will continue to look for any new programs that might become available.</p> <p>COMMITMENT: CR 349/2021 - S 79/2021: 2023 F221 \$1,851,959</p>

<b>Project Detailed Forecast</b>												
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>	
<b>Expenses</b>												
2980 Contracted Services	1,994,143	2,245,143	1,994,143	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	2,100,000	20,813,429	
Total	1,994,143	2,245,143	1,994,143	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	2,100,000	20,813,429	
<b>Revenues</b>												
221 Service Sustainability Investm	142,184	2,245,143	1,994,143	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	2,100,000	18,961,470	
221CF Committed Funding	1,851,959	0	0	0	0	0	0	0	0	0	1,851,959	
Total	1,994,143	2,245,143	1,994,143	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	2,100,000	20,813,429	

<b>Related Projects</b>	<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>		
			<b>Revenue</b>		<b>Effective Date</b>	Unknown	<b>Exp/(Rev) FTE Impact</b>
	<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Description</b>	0	1
	2012	65,000	65,000	0	Forestry Analyst to assist with tree inventory program.		
	2013	96,250	96,250	0			
	2014	121,250	121,250	0			
	2015	225,000	225,000	0			
	2016	210,000	210,000	0			
	2017	250,000	250,000	0			
	2018	710,000	710,000	0			
	2019	746,500	746,500	0			
	2020	2,232,643	2,232,643	0			
	2021	1,994,143	1,994,143	0			
	2022	1,994,143	1,994,143	0			

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2011	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %	Yemi Adeyeye	Ongoing`



## Project Version Summary

<b>Project #</b>	PFO-007-12	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Neighbourhood Parks Rehabilitation Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>												
Neighbourhood parks are smaller in scale and are designed to compliment and contribute to the character of their neighbourhoods including more passive recreational amenities. Projects undertaken under neighbourhood parks will focus on complete redevelopment of the entire park. Typically, the City will focus on those parks that are deemed to be out of date, lack resources and do not attract users. Redevelopment improvements include, but are not limited to, improved landscaping, pathway development and demolition/renovation of outdated park amenities.												
<b>Version Description</b>												
2027: Factoria Park- \$0 2028: Chopin Park- \$100,000 and Bradley Park - \$348,000 2029: Chopin Park- \$100,000, Bradley Park - \$152,000 and Maple Leaf Park - \$500,000 2031-2032: Roseland Park Development \$1,000,000												
<b>Project Comments/Reference</b>						<b>Version Comments</b>						
Closed: 7129003,7161025,7151015,7184007,7171025,7181041 Open: 7201021/7221003												
<b>Project Detailed Forecast</b>												
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>	
<b>Expenses</b>												
5410 Construction Contracts - TCA	0	0	348,000	0	0	100,000	448,000	752,000	400,000	600,000	2,648,000	
Total	0	0	348,000	0	0	100,000	448,000	752,000	400,000	600,000	2,648,000	
<b>Revenues</b>												
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	348,000	652,000	400,000	600,000	2,000,000	
221 Service Sustainability Investm	0	0	348,000	0	0	100,000	100,000	100,000	0	0	648,000	
Total	0	0	348,000	0	0	100,000	448,000	752,000	400,000	600,000	2,648,000	

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2012	70,000	70,000	0				
		2014	300,000	300,000	0				
		2015	340,500	340,500	0				
		2016	250,000	250,000	0				
		2017	250,000	250,000	0				
		2019	500,000	500,000	0				
		2020	610,000	610,000	0				
		2021	250,000	250,000	0				
		2022	150,000	150,000	0				
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2012	January 1, 2015	Growth: 0.0 % Maintenance: 0.0 %		Wadah Al-Yassiri	Ongoing`				



# Project Version Summary

<b>Project #</b>	PFO-008-12	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	New Park Design/Development/Construction		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 Capital funding for the development of new parkland throughout the City. Developers under agreement in subdivision development provide 5% land for a park plus additional funds per acre to construct the park and provide amenities. The collected fees are deposited into Reserve Fund 151 - Land Acquisitions - Other than Highways. The future costs are related to Sandwich South Employment Lands which is expected to occur in 2026.

**Version Description**  
 2023- New Parks Development Linear Trails and Lights- \$400,000 (Phase Two)  
 2026- Sandwich South Employment Lands \$300,000

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7129004/ 7171026/7211053	COMMITMENTS: CR368/2021 - IN-CAMERA: 2023 F151 \$400,000

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	400,000	0	0	300,000	0	0	0	0	0	0	700,000
Total	400,000	0	0	300,000	0	0	0	0	0	0	700,000
<b>Revenues</b>											
151 Parks/Rec/Facil Acquis Funding	0	0	0	300,000	0	0	0	0	0	0	300,000
151CF Committed Funding	400,000	0	0	0	0	0	0	0	0	0	400,000
Total	400,000	0	0	300,000	0	0	0	0	0	0	700,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2012	300,000	300,000	0				
		2017	300,000	300,000	0				
		2022	300,000	300,000	0				
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2012	January 1, 2021	Growth: 100.0 % Maintenance: 0.0 %		Wadah Al-Yassiri	Ongoing`				



# Project Version Summary

<b>Project #</b>	PFO-008-17	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Riverfront Exercise Equipment		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	Ward 4		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>
To design and develop adult exercise equipment located at the Riverfront. The original budget as per the approved 2017 enhanced Capital Budget 5-year plan was \$100K. As per B56/2017, a detailed report has not yet come before Council to formally approve this project.

<b>Version Description</b>
2030: Planning and design for riverfront exercise equipment \$50K Equipment and Installation of Exercise Equipment \$750K

<b>Project Comments/Reference</b>	<b>Version Comments</b>

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	0	0	0	0	0	800,000	0	0	800,000
Total	0	0	0	0	0	0	0	800,000	0	0	800,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	800,000	0	0	800,000
176 Canada Community-Building Fund	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	800,000	0	0	800,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2017	January 23, 2021	Growth: 0.0 % Maintenance: 0.0 %	Wadah Al-Yassiri	TBD`





# Project Version Summary

<b>Project #</b>	PFO-009-12	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Park Bridges/Shelters/Buildings/Capital Rehabilitation Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 This capital program includes replacement and renovations of bridges, shelters, buildings and other park structures which may need replacement. Bridge and culvert inspection are carried out on an annual basis to prioritize repairs and replacements.

**Version Description**  
 2023: Little River Corridor Park - Washrooms - \$130,000  
 2024: Jackson Park Picnic Shelter (New Roof Only By Splash Pad) - \$100,000  
 2026: Realtor Park Picnic Shelter - \$132,000  
 2027- 2032: East End Building Design and Construction- \$2,693,000

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7171027, 7221025, 7221026, 7221027 Closed: 7192003, 7129005, 7171065	COMMITMENTS: CR331/2022 C 119/2022; 2023 F151 \$130K

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	130,000	100,000	0	132,000	500,000	300,000	300,000	150,000	500,000	943,000	3,055,000
Total	130,000	100,000	0	132,000	500,000	300,000	300,000	150,000	500,000	943,000	3,055,000
<b>Revenues</b>											
151 Parks/Rec/Facil Acquis Funding	0	0	0	0	0	300,000	300,000	100,000	0	440,000	1,140,000
151CF Committed Funding	130,000	0	0	0	0	0	0	0	0	0	130,000
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
221 Service Sustainability Investm	0	100,000	0	132,000	500,000	0	0	50,000	500,000	503,000	1,785,000
Total	130,000	100,000	0	132,000	500,000	300,000	300,000	150,000	500,000	943,000	3,055,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2012	50,000	50,000	0				
		2013	50,000	50,000	0				
		2014	50,000	50,000	0				
		2015	50,000	50,000	0				
		2016	50,000	50,000	0				
		2017	50,000	50,000	0				
		2019	300,000	300,000	0				
		2022	918,000	918,000	0				
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date					
2012	January 1, 2015	Growth: 100.0 % Maintenance: 0.0 %	Wadah Al-Yassiri	Ongoing`					



# Project Version Summary

<b>Project #</b>	PFO-009-20	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Parks Signage		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 This project is for the installation of signage for parkland required to be updated and locations currently without signs throughout the City.

**Version Description**  
 Park Signage installation to be identified throughout city parkland on a priority basis. Parks administration identified annual capital requirement estimated to be \$100,000 for the ten year forecast period. Due to current economic conditions there were capital funding restrictions that did not allow for the allocation of the expenditures within the budget at this time. There are placeholders for capital funding of \$400,000 and \$100,000 in 2031 and 2032 respectively.

<b>Project Comments/Reference</b>	<b>Version Comments</b>

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	0	0	0	0	0	0	400,000	100,000	500,000
Total	0	0	0	0	0	0	0	0	400,000	100,000	500,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	300,000	100,000	400,000
221 Service Sustainability Investm	0	0	0	0	0	0	0	0	100,000	0	100,000
Total	0	0	0	0	0	0	0	0	400,000	100,000	500,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2020	April 1, 2020	Growth: 0.0 % Maintenance: 0.0 %	Wadah Al-Yassiri	Ongoing`



# Project Version Summary

<b>Project #</b>	PFO-010-17	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Dog Park Development		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	Ward 2		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	For Development of Dog Parks within Parkland throughout the City as per the Parks master plan. New Dog Park policy was approved by Council which highlighted standard amenities to be included.
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<b>Version Description</b>	2031 - East End Dog Park 2032- Future Dog Park Development
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
7222013	CR228/2022 C 82/2022: 2023 F169 \$130K.

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	130,000	0	0	0	0	0	0	0	300,000	500,000	930,000
Total	130,000	0	0	0	0	0	0	0	300,000	500,000	930,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	300,000	500,000	800,000
169CF Committed Funding	130,000	0	0	0	0	0	0	0	0	0	130,000
Total	130,000	0	0	0	0	0	0	0	300,000	500,000	930,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>	
			<b>Revenue</b>			
	<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>		
	2021	75,000	75,000	0		

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2017	January 23, 2021	Growth: 100.0 % Maintenance: 0.0 %	Trevor Duquette	2026`



# Project Version Summary

<b>Project #</b>	PFO-010-20	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Park Bench Replacement Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

## Project Description

To establish a program for the annual replacement of benches that are deemed to be unsafe and in a state of disrepair. As a result of the Accessibility for Ontarians with Disabilities Act (AODA) requirements when benches are due for replacement they are to be removed and replaced with handicap accessible benches. The cement pads that the benches are placed must also meet AODA standards requiring larger cement bases, which is a significant increase to the cost. Without these funds benches will need to be removed and not replaced. Trails are the most significant park feature for the community as identified in the Parks Master Plan. Benches are an important component of the trail system. This budget funding supports the asset management plan initiative as per Council report 129/2019.

## Version Description

There are approximately 1,500 benches located throughout various Parks which are being tracked by Parks operations. There are various types of benches located within parkland such as wood, metal and concrete with various styles. A significant number of these benches are well beyond their useful lives and are in need of replacement. It is estimated that over 75% of the existing bench asset inventory are in need of repairs. The department is recommending that a budget is established for the replacement of benches that would allow for the current inventory of benches to be replaced over a 10 year period which would provide an enhanced level of service to the bench replacement program.

## Project Comments/Reference

7209007, 7201022

## Version Comments

COMMITMENT:  
CR331/2022 C 119/2022: 2023 F221 \$50,000

## Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
2230 Infrastructure Maint. Material	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	75,000	100,000	575,000
Total	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	75,000	100,000	575,000
<b>Revenues</b>											
221 Service Sustainability Investm	0	50,000	50,000	50,000	50,000	50,000	50,000	50,000	75,000	100,000	525,000
221CF Committed Funding	50,000	0	0	0	0	0	0	0	0	0	50,000
Total	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	75,000	100,000	575,000

Related Projects		Historical Approved Budget			Operating Budget Impact
			<b>Revenue</b>		
		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>
		2020	50,000	50,000	0
		2021	50,000	50,000	0
		2022	50,000	50,000	0
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date	
2020		Growth: 0.0 % Maintenance: 100.0 %	James Chacko/ Jamie Scott	Ongoing`	





# Project Version Summary

<b>Project #</b>	PFO-011-12	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Beautification of Civic Gateways and Other Open Spaces		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 Projects include new Civic Gateways and Open Space development projects at various locations across Windsor. City beautification includes any open space development project undertaken on City owned property. Further beautification efforts adding to our gateway initiatives include Lauzon Parkway at E.C. Row and Wyandotte Street East Median Improvements and Downtown Improvements

**Version Description**  
 Funding has been identified and will be coordinated with future City beautification project being conducted by City Engineering department that have a civic gateway, median or open space component that is maintained by the Parks department.

Project Comments/Reference	Version Comments
7129006	

Project Detailed Forecast											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	0	300,000	300,000	0	0	0	0	0	600,000
Total	0	0	0	300,000	300,000	0	0	0	0	0	600,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	300,000	300,000	0	0	0	0	0	600,000
Total	0	0	0	300,000	300,000	0	0	0	0	0	600,000

Related Projects	Historical Approved Budget				Operating Budget Impact		
	Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev) FTE Impact
			Net City Cost	Subsidies			
	2012	125,000	125,000	0			0 0
	2014	104,000	104,000	0			
	2015	200,000	200,000	0			
	2016	215,000	215,000	0			
	Description: The changes made to City gateways and corridors have a significant impact on the level of service provided by Parks operations and horticulture staff. Major initiatives requiring significant resource impact the capacity of the Parks department to maintain sports fields and core functions throughout the City.						

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2012	January 1, 2015	Growth: 0.0 % Maintenance: 0.0 %	Wadah Al-Yassiri	Ongoing`



# Project Version Summary

<b>Project #</b>	PFO-012-12	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Park Trails Capital Rehabilitation Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

## Project Description

Repairs are required to regularly maintain asphalt and granular base trails making them safe and thereby decreasing litigation and claims. There is a growing backlog of required trail repairs which are replaced as far as funding will allow. Repairs, resurfacing, bollards, curb maintenance, safety markings and signs are all potential replacements. There are over 120 kms of trails in our system and ongoing refurbishment of sections of trails are necessary to maintain a safe and usable overall trail system.

The average life span of an asphalt trail is 15-20 years. Major trails such as the Ganatchio Trail south, Grande Marais trail, Southwood Lakes and inter park trails are approaching the end of their lifecycle. Parks currently maintains over 120km of trails in the system. The 2017 Parks Master Plan identified trails to be one of the most important recreational amenities in parks.

## Version Description

Asset management plan is being developed which will incorporate conditional assessment reports which will identify the trails in need of replacement. Priority will be given to those areas based on inspection results and listing of trails will be detailed each year based upon funding available.

## Project Comments/Reference

(7129012, 7181041, 7184007 Closed)/7161026/7201022

## Version Comments

## Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	100,000	100,000	300,000	100,000	250,000	250,000	325,000	340,000	440,000	2,205,000
Total	0	100,000	100,000	300,000	100,000	250,000	250,000	325,000	340,000	440,000	2,205,000
<b>Revenues</b>											
151 Parks/Rec/Facil Acquis Funding	0	0	0	0	0	0	0	0	0	0	0
151CF Committed Funding	0	0	0	0	0	0	0	0	0	0	0
221 Service Sustainability Investm	0	100,000	100,000	300,000	100,000	250,000	250,000	325,000	340,000	440,000	2,205,000
221CF Committed Funding	0	0	0	0	0	0	0	0	0	0	0
Total	0	100,000	100,000	300,000	100,000	250,000	250,000	325,000	340,000	440,000	2,205,000

Related Projects		Historical Approved Budget				Operating Budget Impact			
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2016	200,000	200,000	0				
		2017	200,000	200,000	0				
		2019	736,000	736,000	0				
		2020	200,000	200,000	0				
		2021	200,000	200,000	0				
		2022	1,200,000	1,200,000	0				
Year Identified	Start Date	Project Type for 2023		Project Lead		Est. Completion Date			
2012	January 1, 2016	Growth: 0.0 % Maintenance: 0.0 %		Wadah Al-Yassiri		Ongoing`			



# Project Version Summary

<b>Project #</b>	PFO-013-12	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Park-Related Parking Lots Capital Upgrades		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

Parking lots are an ongoing program that requires continuous upgrades to meet the needs of users and the standards set out by the City of Windsor By-laws. The parks and recreation system has over 80 parking lots of various sizes and conditions. The existing parking lot surfaces range from simple gravel lots to curbed paved and drained lots built to the current city standards. On average the one parking lot per year is renovated or rebuilt. A parking lot condition report will be carried out in 2020 in conjunction with the asset management plan.

**Version Description**

2023-2026: Malden Park parking lot on Matchette Rd \$1,150,000  
 2027-2028: Mic Mac parking lots \$500,000  
 2029-2030: Walker Homesite \$600,000  
 2031: Spring Garden Natural Area Environmental Parking Lot \$375,000  
 2032: Malden Park parking lot for Visitor Centre \$900,000  
 Conditional assessment reports will be developed which will allow for parking lot replacements to be identified and prioritized.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
(7129007 Closed) 7159012 / 7181026 / 7191036	COMMITMENT: CR331/2022 C 119/2022: 2023 F169 \$50,000 F221 \$150,000

<b>Project Detailed Forecast</b>		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5410	Construction Contracts - TCA	200,000	100,000	350,000	500,000	200,000	300,000	300,000	300,000	375,000	900,000	3,525,000
	Total	200,000	100,000	350,000	500,000	200,000	300,000	300,000	300,000	375,000	900,000	3,525,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	25,000	25,000	0	0	0	0	0	100,000	0	150,000
169CF	Committed Funding	50,000	0	0	0	0	0	0	0	0	0	50,000
221	Service Sustainability Investm	0	75,000	325,000	500,000	200,000	300,000	300,000	300,000	275,000	900,000	3,175,000
221CF	Committed Funding	150,000	0	0	0	0	0	0	0	0	0	150,000
	Total	200,000	100,000	350,000	500,000	200,000	300,000	300,000	300,000	375,000	900,000	3,525,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2012	75,000	75,000	0				
		2019	1,000,000	1,000,000	0				
		2020	500,000	500,000	0				
		2021	200,000	200,000	0				
		2022	200,000	200,000	0				
		The level of capital replacements will impact the repair and maintenance costs on park operations. The longer the projects are deferred the increase in the level of repairs are required in each parking lot.							
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2012	January 1, 2019	Growth: 25.0 % Maintenance: 75.0 %	Wadah Al-Yassiri		2024+				



# Project Version Summary

<b>Project #</b>	PFO-014-12	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Park Community Partnership Initiatives		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	Partnerships can include any user group wishing to contribute funding to a project for the improvement of any park asset, facility or space within the community. Partnership projects will be presented to and approved by Council on a project by project basis.
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<b>Version Description</b>	Annual funding has been identified by Parks administration for contributions to community based projects as they arise in the future over the ten year capital forecast period.
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
7129015 7201031- Riverside Miracle Park	

<b>Project Detailed Forecast</b>		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5410	Construction Contracts - TCA	25,000	25,000	25,000	0	0	25,000	25,000	25,000	50,000	50,000	250,000
	Total	25,000	25,000	25,000	0	0	25,000	25,000	25,000	50,000	50,000	250,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	25,000	25,000	25,000	0	0	25,000	25,000	25,000	50,000	50,000	250,000
	Total	25,000	25,000	25,000	0	0	25,000	25,000	25,000	50,000	50,000	250,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2012	275,000	25,000	250,000				
		2013	25,000	25,000	0				
		2014	25,000	25,000	0				
		2015	25,000	25,000	0				
		2016	25,000	25,000	0				
		2017	25,000	25,000	0				
		2019	25,000	25,000	0				
		2020	25,000	25,000	0				
		2021	25,000	25,000	0				
		2022	25,000	25,000	0				
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date					
2012	January 1, 2015	Growth: 100.0 % Maintenance: 0.0 %	Wadah Al-Yassiri	Ongoing`					





# Project Version Summary

<b>Project #</b>	PFO-015-12	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Parks Master Plan		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 The Parks Master Plan was last updated in 2017. This program created a new document that defines and shapes our parks system for the foreseeable future. This master plan is living document aligned with the City's capital budget forecast and will be updated every 5 years with attainable goals. This master plan will be phased in and adjusted periodically through internal strategic reviews.

**Version Description**  
 2026- Master plan revisions  
 2027- Update to Master Plan  
 2028- Master plan revisions

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7129013 (closed) 7212008	COMMITMENT: CR453/2021 - C 140/2021: 2022 F221 \$50,000

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
2980 Contracted Services	0	0	0	125,000	50,000	50,000	0	0	0	0	225,000
8110 Salary-Reg.Full Time	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	125,000	50,000	50,000	0	0	0	0	225,000
<b>Revenues</b>											
221 Service Sustainability Investm	0	0	0	125,000	50,000	50,000	0	0	0	0	225,000
Total	0	0	0	125,000	50,000	50,000	0	0	0	0	225,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>					
			<b>Revenue</b>				<b>Effective Date</b> Unknown		<b>Exp/(Rev) FTE Impact</b>	
	<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Description</b>		0	0		
	2013	140,000	140,000	0	Master Plan will guide future investment and prioritization of operating budget funding allocation based upon determined level of service.					
	2021	50,000	50,000	0						
2022	50,000	50,000	0							

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2012	January 1, 2015	Growth: 0.0 % Maintenance: 0.0 %	Wadah Al-Yassiri	Ongoing`



# Project Version Summary

<b>Project #</b>	PFO-016-12	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Parkland Acquisitions		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 This general parkland acquisition & development project is used for purchases and development of lands for parks, as these lands become available. The acquisition and disposition of parkland is necessary to balance the system and provide an even distribution of parkland in all classifications to service the needs of residents as per the City of Windsor Official Plan.

**Version Description**

<b>Project Comments/Reference</b>	<b>Version Comments</b>
(Closed: 7129014/7181019) 7219015	

<b>Project Detailed Forecast</b>												
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total	
<b>Expenses</b>												
2950 Other Prof Services- External	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000	
Total	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000	
<b>Revenues</b>												
151 Parks/Rec/Facil Acquis Funding	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000	
Total	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000	

<b>Related Projects</b>	<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>			
			<b>Revenue</b>					
	<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>				
	2018	13,000	13,000	0				
	2021	50,000	50,000	0				
	2022	50,000	50,000	0				

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2012	January 1, 2024	Growth: 100.0 % Maintenance: 0.0 %	Wadah Al-Yassiri/ James Chacko	Ongoing`
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# Project Version Summary

<b>Project #</b>	PFO-017-12	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Parks & Facilities
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks
<b>Title</b>	Playground Equipment Removal		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Playground Equipment Removal (Active)		

**Project Description**  
 This project is required to fund the removal of playground equipment which is either being removed and not replaced or does not meet safety standards. The playground equipment audit is completed every five years with the expenditures being allocated to this project. The removal of non-compliant equipment to clear areas will mitigate possible future injuries and claims.

**Version Description**  
 This project will fund the removal of playground equipment that have been identified as not being replaced as identified in Council report 142/2017. All costs to restore the park after the removal of the playground equipment will be included in this project.

Project Comments/Reference	Version Comments
7129009	

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5410	Construction Contracts - TCA	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	150,000	50,000	1,000,000
	Total	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	150,000	50,000	1,000,000
<b>Revenues</b>												
151	Parks/Rec/Facil Acquis Funding	0	0	0	0	0	0	0	0	0	0	0
221	Service Sustainability Investm	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	150,000	50,000	1,000,000
	Total	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	150,000	50,000	1,000,000

Related Projects		Historical Approved Budget			Operating Budget Impact
			<b>Revenue</b>		
		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>
		2012	100,000	100,000	0
		2013	154,000	154,000	0
		2014	162,468	162,468	0
		2015	158,500	158,500	0
		2016	150,000	150,000	0
		2017	100,000	100,000	0
		2019	100,000	100,000	0
		2020	100,000	100,000	0
		2021	100,000	100,000	0
		2022	100,000	100,000	0
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date	
2012	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %	Jamie Scott	Ongoing`	



# Project Version Summary

<b>Project #</b>	PFO-003-20	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Recreation & Culture
<b>Asset Type</b>	Unassigned	<b>Division</b>	Admin - Recreation & Culture
<b>Title</b>	Holiday Lights Capital Maintenance		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	Ward 3		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 Holiday Lights requires funding for ongoing repair, replacement and maintenance of lights and other equipment.

**Version Description**  
 Bright Lights requires an annual allotment for various repairs and maintenance to address unexpected needs and to perform proper maintenance as needed.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7171089	CR331/2022 C 119/2022: 2023 F221 \$105,801

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5411 Construction Contracts-Non TCA	105,801	50,000	50,000	50,000	50,000	0	50,000	0	0	50,000	405,801
Total	105,801	50,000	50,000	50,000	50,000	0	50,000	0	0	50,000	405,801
<b>Revenues</b>											
221 Service Sustainability Investm	0	50,000	50,000	50,000	50,000	0	50,000	0	0	50,000	300,000
221CF Committed Funding	105,801	0	0	0	0	0	0	0	0	0	105,801
Total	105,801	50,000	50,000	50,000	50,000	0	50,000	0	0	50,000	405,801

<b>Related Projects</b>	<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>		
			<b>Revenue</b>		<b>Effective Date</b>	Unknown	<b>Exp/(Rev) FTE Impact</b>
	<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Description</b>	0	0
	2020	44,199	44,199	0	The lack of capital funding would result in deferral of repairs and increase the likelihood to additional spending in the operating budget.		
	2021	50,000	50,000	0			
2022	50,000	50,000	0				

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2020	January 1, 2020	Growth: 0.0 % Maintenance: 100.0 %	Ray Mensour	Ongoing`





## Project Version Summary

<b>Project #</b>	REC-002-14	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Recreation & Culture
<b>Asset Type</b>	Unassigned	<b>Division</b>	Community Centres & Programming
<b>Title</b>	Relocation of Sandpoint Beach		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	Ward 7		
<b>Version Name</b>	Main (Active)		

### Project Description

On March 4, 2013 Council approved B3/2013 "That the report from the Executive Director of Recreation and Culture regarding the provision of lifeguards at Sandpoint Beach BE RECEIVED and further that the reinstatement of funds for the lifeguards in the amount of \$60,272 in the 2013 operating budget as part of the base budget BE APPROVED, and further, that the option of moving the beach further east on the property BE REFERRED to future Capital Budget deliberations".

Included in the March 4, 2013 report was information on the audit of Sandpoint Beach by the Lifesaving Society. Regarding the location of the beach, the Lifesaving Society audit included the following: Primary Recommendation Number 6 – Restrict access to the western edge of the supervised beach. The recommendation states in part, “Beach and water access to the western edge of the beach should be restricted. The City may also want to consider closing this beach in favour of moving it further eastwards. At a minimum, beach patrons should be restricted from accessing this area of the beach by installing additional fencing which will reduce the designated beach area.” Amenities currently at the beach include a play ground, sand volleyball court, picnic tables and a kayak/wind surfing launch area.

The redevelopment would move Sandpoint Beach further east on the property. With this option, the existing beach at the western location would be renovated and converted to land use only, including shoreline improvements that would serve to discourage access to the water in this section. The public beach access would be moved further east and would be smaller in size than the current beach. The opportunity exists at Sandpoint Beach to create a master plan for future development that will take advantage of this valuable asset on the waterfront. Additional engineering consultation would be required from a number of regulatory bodies for a full scope. For example, a new groin may be required depending on the currents to trap sand in order to facilitate retention of sand at the new location. It may be possible to phase this project, with the first phase providing functional amenities, and additional phases providing amenities to enhance the use of the park.

Relocation of Sandpoint Beach is projected to require over \$10M in funding.

### Version Description

The redevelopment of the property and has the highest capital budget impact. Administration has completed a preliminary capital cost estimate for the project including shoreline improvements, infrastructure requirements, landscape requirements and other amenities. Consulting with the regulatory bodies for further detailed estimates will be required. Administration recognizes that funds are not available for a project of this magnitude at this time, however, this project could be considered for a future project should grants become available from senior levels of government. Traditionally, shoreline protection has been cost shared with senior levels of government. The operating budget impact incorporates the reinstatement of the costs for the lifeguarding component of the operation. Depending on additional amenities desired for this space (i.e. sand volleyball courts, accessible playground, splash pad) additional operating budget requirements would be identified.

In February 2018, CR 83/2018 was approved requesting an estimate from administration to conduct a preliminary study. The requested \$227,500 is for phase 1 of the capital project, to conduct the necessary environmental assessment in order to become aware of potential long-term options for the site. Based on the results of this assessment, administration will be much better equipped to provide the requirements for future funding and planning needed for a long-term solution.

In June 2021, CR265/2021 was approved authorizing the environmental assessment. The environmental assessment is expected to be completed by the end of 2022; a report to Council detailing the results will follow.

### Project Comments/Reference

7209003

### Version Comments

COMMITMENT:  
CR 265/2021 - CAO-Clerks File SR/14130: 2024 F221 \$187,500 - 2024 F169 \$40,000

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	0	250,500	777,000	0	0	300,000	300,000	300,000	0	0	1,927,500
Total		0	250,500	777,000	0	0	300,000	300,000	300,000	0	0	1,927,500
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	23,000	777,000	0	0	0	0	0	0	0	800,000
169CF	Committed Funding	0	40,000	0	0	0	0	0	0	0	0	40,000
176	Canada Community-Building Fund	0	0	0	0	0	0	0	0	0	0	0
221	Service Sustainability Investm	0	0	0	0	0	300,000	300,000	300,000	0	0	900,000
221CF	Committed Funding	0	187,500	0	0	0	0	0	0	0	0	187,500
Total		0	250,500	777,000	0	0	300,000	300,000	300,000	0	0	1,927,500
<b>Related Projects</b>		<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>						
				<b>Revenue</b>				<b>Effective Date</b> Unknown		<b>Exp/(Rev) FTE Impact</b>		
		<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>					0	0	
		2020	22,500	22,500	0							
						<b>Description</b>						
						Should the reconfiguration of Sandpoint Beach result in the same size and basic design as the existing beach, there would be no impact to the operating budget. However, if the reconfiguration results in an expanded size, and if the amenities attract additional attendance, there is a potential for the requirement to increase the number of lifeguards up to an additional 3 part time guards. This would result in an additional cost in wages of approximately \$23,300.						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>		<b>Est. Completion Date</b>						
2014	September 1, 2024	Growth: 0.0 % Maintenance: 0.0 %		Jen Knights & Michael Chantler		2024+`						



# Project Version Summary

<b>Project #</b>	REC-003-07	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Recreation & Culture
<b>Asset Type</b>	Unassigned	<b>Division</b>	Community Centres & Programming
<b>Title</b>	Municipal Pools Refurbishment Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>												
Upgrades/refurbishments to municipal pools are required to ensure that they remain functional and do not pose a hazard. The infrastructure we currently have must be maintained in order to ensure continued high customer service standards. Prioritizing pool improvements to ensure they remain functional is the objective of this capital request. The possibility of procuring external subsidies with various levels of government bodies will be explored.												
<b>Version Description</b>												
Recreation and Culture's pool infrastructure must be maintained in order to ensure continued high customer service standards. Prioritizing pool improvements to ensure they remain functional is the objective of this capital request.												
Capital Funding for pool rebuilds, maintenance, upgrades, diving boards, touch pads, lane ropes, timing systems, paddleboards, fitness centre upgrades and Recreation Master Plan priorities.												
<b>Project Comments/Reference</b>						<b>Version Comments</b>						
7069034 7224006 See Document Attached						COMMITTED: CR304/2022 C 107/2022: 2025 F221 \$2,000,000						
<b>Project Detailed Forecast</b>												
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>	
<b>Expenses</b>												
5410 Construction Contracts - TCA	132,000	75,000	2,305,201	2,610,000	0	474,000	500,000	500,000	0	187,500	6,783,701	
Total	132,000	75,000	2,305,201	2,610,000	0	474,000	500,000	500,000	0	187,500	6,783,701	
<b>Revenues</b>												
221 Service Sustainability Investm	132,000	75,000	305,201	2,610,000	0	474,000	500,000	500,000	0	187,500	4,783,701	
221CF Committed Funding	0	0	2,000,000	0	0	0	0	0	0	0	2,000,000	
Total	132,000	75,000	2,305,201	2,610,000	0	474,000	500,000	500,000	0	187,500	6,783,701	

Related Projects		Historical Approved Budget				Operating Budget Impact			
Follows REC-005-16		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
Project Title				Net City Cost	Subsidies				
Gino & Liz Marcus Community Centre Family Change Room		2008	466,000	466,000	0			0	0
		2009	550,839	550,839	0				
		2010	1,000,000	1,000,000	0				
		2011	1,021,000	1,021,000	0				
		2014	325,000	325,000	0				
		2017	100,000	100,000	0				
		2019	1,057,000	1,057,000	0				
		2020	433,280	433,280	0				
		2021	37,000	37,000	0				
		2022	67,200	67,200	0				
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2007	January 2, 2017	Growth: 0.0 % Maintenance: 100.0 %	Jen Knights / Michael Chantler		Ongoing`				



# Project Version Summary

<b>Project #</b>	REC-004-07	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Recreation & Culture
<b>Asset Type</b>	Unassigned	<b>Division</b>	Community Centres & Programming
<b>Title</b>	Recreation Facility Refurbishment Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>												
Ongoing upgrades to facilities and services available in municipal recreation areas. A recent review indicates that the median age of the community centres is approximately 46 years, with 75% of all of our community centres being 25+ years old.												
<b>Version Description</b>												
Recreation Master Plan Priorities												
<b>Project Comments/Reference</b>						<b>Version Comments</b>						
7069035/7159012												
<b>Project Detailed Forecast</b>												
<b>GL Account</b>		<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>												
5410	Construction Contracts - TCA	50,000	300,000	50,000	100,000	50,000	300,000	300,000	300,000	185,000	112,500	1,747,500
	Total	50,000	300,000	50,000	100,000	50,000	300,000	300,000	300,000	185,000	112,500	1,747,500
<b>Revenues</b>												
125	Dev Chg - Indoor Recreation	5,000	5,000	5,000	94,950	0	0	0	0	0	0	109,950
221	Service Sustainability Investm	45,000	295,000	45,000	5,050	50,000	300,000	300,000	300,000	185,000	112,500	1,637,550
	Total	50,000	300,000	50,000	100,000	50,000	300,000	300,000	300,000	185,000	112,500	1,747,500

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2007	80,000	80,000	0				
		2009	50,000	50,000	0				
		2010	150,000	150,000	0				
		2011	100,000	100,000	0				
		2012	50,000	50,000	0				
		2013	50,000	50,000	0				
		2014	282,000	282,000	0				
		2015	50,000	50,000	0				
		2016	50,000	50,000	0				
		2017	50,000	50,000	0				
		2019	50,000	50,000	0				
		2020	50,000	50,000	0				
		2021	50,000	50,000	0				
		2022	50,000	50,000	0				
Year Identified	Start Date	Project Type for 2023		Project Lead		Est. Completion Date			
2007	January 1, 2017	Growth: 0.0 % Maintenance: 100.0 %		Jen Knights / Nada Tremblay		Ongoing`			



# Project Version Summary

<b>Project #</b>	REC-001-18	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Recreation & Culture
<b>Asset Type</b>	Unassigned	<b>Division</b>	Cultural Affairs
<b>Title</b>	Monument and Memorial Capital Repairs		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	Capital repairs to monuments and memorials throughout the City of Windsor such as Boer War Monument, Centotaph, Polish monument and Freedom Way. Funds are required for repairs due to the public risk involved as the public tend to climb or get close to read particular monuments that are in need of repair.
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<b>Version Description</b>	Funds are required to commence repairs on the Boer War, Cenotaph, Polish monument and Freedom Way to reduce public risk.
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
7204002	COMMITMENT: CR195/2020 - S 109/2019 - SCM 91/2020: 2023 F221 \$75,000

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	75,000	0	75,000	75,000	75,000	75,000	75,000	0	75,000	75,000	600,000
Total	75,000	0	75,000	75,000	75,000	75,000	75,000	0	75,000	75,000	600,000
<b>Revenues</b>											
221 Service Sustainability Investm	0	0	75,000	75,000	75,000	75,000	75,000	0	75,000	75,000	525,000
221CF Committed Funding	75,000	0	0	0	0	0	0	0	0	0	75,000
Total	75,000	0	75,000	75,000	75,000	75,000	75,000	0	75,000	75,000	600,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>	<b>Operating Budget Impact</b>										
	<table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">Total Expense</th> <th colspan="2">Revenue</th> </tr> <tr> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr> <td>2022</td> <td>75,000</td> <td>75,000</td> <td>0</td> </tr> </tbody> </table>	Year	Total Expense	Revenue		Net City Cost	Subsidies	2022	75,000	75,000	0	
Year	Total Expense			Revenue								
		Net City Cost	Subsidies									
2022	75,000	75,000	0									

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2018	January 1, 2022	Growth: 0.0 % Maintenance: 100.0 %	TBD	Ongoing`





# Project Version Summary

<b>Project #</b>	REC-001-21	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Recreation & Culture
<b>Asset Type</b>	Unassigned	<b>Division</b>	Cultural Affairs
<b>Title</b>	Spirit of Windsor Train		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	Ward 3		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>											
Spirit of Windsor Train ongoing maintenance											
<b>Version Description</b>											
<b>Project Comments/Reference</b>						<b>Version Comments</b>					
<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	0	0	0	0	0	0	50,000	50,000	100,000
Total	0	0	0	0	0	0	0	0	50,000	50,000	100,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
221 Service Sustainability Investm	0	0	0	0	0	0	0	0	50,000	50,000	100,000
Total	0	0	0	0	0	0	0	0	50,000	50,000	100,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2021		Growth: 0.0 % Maintenance: 0.0 %	TBD	Ongoing`



# Project Version Summary

<b>Project #</b>	REC-002-07	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Recreation & Culture
<b>Asset Type</b>	Unassigned	<b>Division</b>	Recreation Facilities
<b>Title</b>	Lakeview Park Marina Rehabilitation Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	Ward 6, Ward 7		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	Replacement of the docks at Lakeview Park Marina to floating docks along with ongoing maintenance and structural repairs.
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<b>Version Description</b>	<p>Specific work identified at this time is as follows:</p> <ul style="list-style-type: none"> <li>- Replacement of the docks to floating docks</li> <li>- Ongoing maintenance and general structural repairs</li> <li>- Lighthouse repairs</li> <li>- Dredging</li> <li>- New pumpout system</li> </ul>
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
7171033 7061146/7161014 (Closed)	<p>COMMITMENTS:</p> <p>CR276/2019 - C 98/2019: 2023 F221 \$50,000</p> <p>CR553/2019 - C 187/2019: 2023 F221 \$900,000 - CR approved \$2,000,000 with the remaining balance of \$682,000 less the \$100,000 deductible to be funded firstly from proceeds resulting from an insurance claim with any deficit to be funded from F165 and any financing charges to be funded from 7145005 with CAO approval.</p>

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	950,000	50,000	50,000	34,000	34,000	275,000	275,000	275,000	275,000	0	2,218,000
Total	950,000	50,000	50,000	34,000	34,000	275,000	275,000	275,000	275,000	0	2,218,000
<b>Revenues</b>											
165 Lakeview Park Marina	0	50,000	50,000	0	0	0	0	0	0	0	100,000
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
221 Service Sustainability Investm	0	0	0	34,000	34,000	275,000	275,000	275,000	275,000	0	1,168,000
221CF Committed Funding	950,000	0	0	0	0	0	0	0	0	0	950,000
Total	950,000	50,000	50,000	34,000	34,000	275,000	275,000	275,000	275,000	0	2,218,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2012	60,000	60,000	0				
		2017	100,000	100,000	0				
		2018	50,000	50,000	0				
		2019	180,000	180,000	0				
		2020	1,393,646	811,646	582,000				
		2021	2,651,240	2,171,240	480,000				
		2022	360,114	360,114	0				
		No operating budget impact.							
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2007	January 1, 2017	Growth: 0.0 % Maintenance: 100.0 %	James Chacko		Ongoing`				



# Project Version Summary

<b>Project #</b>	REC-004-08	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Recreation & Culture
<b>Asset Type</b>	Unassigned	<b>Division</b>	Recreation Facilities
<b>Title</b>	The WFCU Centre Capital Rehabilitation Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	Ward 6		
<b>Version Name</b>	Main (Active)		

**Project Description**

The WFCU Centre constructed in 2007/2008 will require ongoing capital maintenance and minor operational adjustments for the new fully operational state-of-the-art facility. Operation over the last four years has brought certain elements to management that needs to be addressed such as the zamboni floor drains that are too small and cannot keep up with the flow of water and therefore causing a health and safety issue.

**Version Description**

The WFCU is highly used by the City and other tenants such as Ovations (OVG), Seniors Group, Windsor Spitfires, Windsor Express and Spectra Venue Management.

Project Comments/Reference	Version Comments
See document attached for complete listing. 7064900/7161046	

GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	1,100,000	0	200,000	540,000	790,000	300,000	300,000	300,000	290,000	185,000	4,005,000
	Total	1,100,000	0	200,000	540,000	790,000	300,000	300,000	300,000	290,000	185,000	4,005,000
<b>Revenues</b>												
151	Parks/Rec/Facil Acquis Funding	650,000	0	200,000	540,000	790,000	300,000	300,000	300,000	290,000	185,000	3,555,000
206	WFCU Centre Capital Improve	450,000	0	0	0	0	0	0	0	0	0	450,000
221	Service Sustainability Investm	0	0	0	0	0	0	0	0	0	0	0
	Total	1,100,000	0	200,000	540,000	790,000	300,000	300,000	300,000	290,000	185,000	4,005,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2014	26,000	26,000	0				
		2016	340,000	340,000	0				
		2017	430,000	430,000	0				
		2019	200,000	200,000	0				
		2020	480,000	480,000	0				
		2021	978,441	978,441	0				
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2008	January 2, 2017	Growth: 0.0 % Maintenance: 100.0 %		James Chacko	Ongoing`				



## Project Version Summary

<b>Project #</b>	REC-005-07	<b>Service Area</b>	Community Services
<b>Budget Year</b>	2023	<b>Department</b>	Recreation & Culture
<b>Asset Type</b>	Unassigned	<b>Division</b>	Recreation Facilities
<b>Title</b>	Corporate Arena Refurbishments		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	Ward 1, Ward 3, Ward 7		
<b>Version Name</b>	Main (Active)		

**Project Description**

Ongoing upgrades/refurbishments to municipal arenas in order to ensure that they remain functional and do not pose a hazard to users and address the needs of user groups. Due to changing user demographics (i.e. more females playing hockey), a shortage of dressing rooms is one of the areas that must be addressed. We should now be offering 6 dressing rooms per single pad and 12 per double pad. There is also a concern that additional capital repairs are required for the aging arena facilities (Forest Glade Arena, Adie Knox Arena, Capri Pizzeria Recreation Complex Arenas) and outdoor rinks (Charles Clark Square Rink, Lanspeary Rink). Compressors/chillers are very expensive equipment that require ongoing maintenance programs and major overhauls every few years.

**Version Description**

On a (3) three year cycle, the City of Windsor arena facilities require a comprehensive structural inspection report, in accordance with Section 54 (1) (m) of the Occupational Health and Safety Act, Revised Statutes of Ontario, 1990 and the guidelines for "Structural Adequacy of Arenas" of the Association of Professional Engineers of Ontario, published latest edition, as required under the Ontario Ministry of Labour. \$30,000 is required to adhere with Ministry of Labour standards to maintain our compliance within these standards.

To complete the extensive capital improvements to our arenas' dressing rooms, showers, restrooms, complete structural assessment work, maintenance programs for all of the plant equipment including refrigeration equipment, compressors, etc.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7069036	

<b>Project Detailed Forecast</b>		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5410	Construction Contracts - TCA	200,000	1,000,000	200,000	1,090,000	1,000,000	0	0	0	700,000	0	4,190,000
	Total	200,000	1,000,000	200,000	1,090,000	1,000,000	0	0	0	700,000	0	4,190,000
<b>Revenues</b>												
221	Service Sustainability Investm	200,000	1,000,000	200,000	1,090,000	1,000,000	0	0	0	700,000	0	4,190,000
	Total	200,000	1,000,000	200,000	1,090,000	1,000,000	0	0	0	700,000	0	4,190,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2009	200,000	200,000	0				
		2010	400,000	400,000	0				
		2011	150,000	150,000	0				
		2012	20,000	20,000	0				
		2013	20,000	20,000	0				
		2014	40,000	40,000	0				
		2015	250,000	250,000	0				
		2016	250,000	250,000	0				
		2017	280,000	280,000	0				
		2018	635,000	635,000	0				
		2019	250,000	250,000	0				
		2020	280,000	280,000	0				
		2021	250,000	250,000	0				
		2022	375,000	375,000	0				
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>		<b>Est. Completion Date</b>			
2007	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %		Ray Mensour		Ongoing`			



# **2023 Approved Capital Budget**



## **Capital Project Summaries**

**Office of the Commissioner of Infrastructure Services**



# Project Version Summary

<b>Project #</b>	ECP-009-08	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Corporate Projects
<b>Title</b>	Corporate Properties Site Assessments/Clean-ups/Demolitions		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

There are lands that the City has obtained through tax arrears that need to be evaluated for environmental liabilities. It is imperative that the proper environmental site assessment detail the level of contamination or clean up required to sell the lands and qualify for any Brownfield funding.

In addition, the state of disrepair of many of these properties render them unfit to sell or make improvements on, and their condition can sometimes present a safety hazard to neighboring property owners and residents. In order to mitigate the potential liability and facilitate disposition of the properties as appropriate, funding is sometimes required to minor repairs or demolish the existing structures. This project includes funding for vacant City-owned properties that require demolition.

**Version Description**

Various transitional properties require Phase I and II environmental studies prior to being sold or demolished. These are being done on a priority basis. This project further includes the demolition of designated City-owned properties, should funds be available.

Project Comments/Reference	Version Comments
7081019	

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5410	Construction Contracts - TCA	0	0	0	0	0	0	0	0	200,000	200,000	400,000
	Total	0	0	0	0	0	0	0	0	200,000	200,000	400,000
<b>Revenues</b>												
221	Service Sustainability Investm	0	0	0	0	0	0	0	0	200,000	200,000	400,000
	Total	0	0	0	0	0	0	0	0	200,000	200,000	400,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2008	200,000	200,000	0				
		2010	800,000	800,000	0				
		2011	427,337	427,337	0				
		2014	1,005,000	1,005,000	0				
		2020	200,000	200,000	0				
		2021	200,000	200,000	0				
		2022	200,000	200,000	0				
					No Operating Budget Impact				
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2008	January 1, 2008	Growth: 0.0 % Maintenance: 0.0 %	Colleen Middaugh		Ongoing`				



# Project Version Summary

<b>Project #</b>	ENG-001-23	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>		<b>Division</b>	Corporate Projects
<b>Title</b>	Central Library		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	Ward 3		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>												
Preliminary funding for a potential new Central Library.												
<b>Version Description</b>												
<b>Project Comments/Reference</b>						<b>Version Comments</b>						
<b>Project Detailed Forecast</b>												
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>	
<b>Expenses</b>												
5410 Construction Contracts - TCA	0	0	1,619,775	2,736,008	104,217	0	0	0	0	680,000	5,140,000	
Total	0	0	1,619,775	2,736,008	104,217	0	0	0	0	680,000	5,140,000	
<b>Revenues</b>												
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	680,000	680,000	
221 Service Sustainability Investm	0	0	1,619,775	2,736,008	104,217	0	0	0	0	0	4,460,000	
Total	0	0	1,619,775	2,736,008	104,217	0	0	0	0	680,000	5,140,000	

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2023		Growth: 0.0 % Maintenance: 0.0 %	Colleen Middaugh	TBD`



# Project Version Summary

<b>Project #</b>	ENG-004-22	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Corporate Projects
<b>Title</b>	Artificial Turf Sports Field at the McHugh Soccer Complex		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	Ward 7		
<b>Version Name</b>	Main (Active)		

**Project Description**

In December of 2019, Council approved the City of Windsor's Recreation Master Plan (CR#632/2019). To address future growth, geographic distribution and promotion of sport/sport tourism in Windsor, a number of recommendations were made to address field sports in the City. With respect to rectangular fields, the most notable recommendation is for the City to construct an Artificial Turf Field in a location with multiple amenities and fields; doing so would be attractive for tournament users but also meet needs of local soccer groups. The addition of an artificial turf field at the McHugh Soccer Complex will allow for extended play into the shoulder seasons of spring and fall, when traditionally adverse weather and required natural turf field maintenance does not allow for play to occur on natural grass fields.

**Version Description**

<b>Project Comments/Reference</b>	<b>Version Comments</b>
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<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	0	3,000,000	0	0	0	0	0	0	3,000,000
Total	0	0	0	3,000,000	0	0	0	0	0	0	3,000,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	3,000,000	0	0	0	0	0	0	3,000,000
176 Canada Community-Building Fund	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	3,000,000	0	0	0	0	0	0	3,000,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2022		Growth: 0.0 % Maintenance: 0.0 %	Ray Mensour	TBD`



# Project Version Summary

<b>Project #</b>	ENG-005-23	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>		<b>Division</b>	Corporate Projects
<b>Title</b>	Lanspeary Lions Outdoor Pool and Change Room - Green & Inclusive Buildings Grant		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	Ward 4		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>
<p>The original building at Lanspeary Lions Outdoor Pool and Rink, which functions as a pool change room area in the summer and outdoor ice rink dressing room in the winter, was constructed around 1950 and has undergone several renovations throughout its operation. It is a single storey building with partial basement in the central portion of the structure primarily used to house the pool filtration equipment. The building is approximately 2,900 square feet on the main floor and 860 square feet at the basement level.</p> <p>In February 2023, an application was made to the Green and Inclusive Community Buildings (GICB) Program seeking grant funding up to 80% of the cost of construction to retrofit this facility, making improvements to the building envelope and the building systems which would achieve up to a 25% reduction in its energy consumption. Improvements to the building accessibility would also be undertaken.</p>

<b>Version Description</b>
<p>If awarded the GICB grant, then design work would begin early in 2024 with construction to follow into 2025. The \$1,250,000 funding would account for the 20% City portion of the anticipated cost of construction as well as any expenses deemed ineligible by the grant provider.</p>

<b>Project Comments/Reference</b>	<b>Version Comments</b>
<p>PLACEHOLDER FUNDING : Funding to be encumbered pending written confirmation of the: Green and Inclusive Buildings Program</p> <p>CR68/2023 C 13/2023: 2025 F221 \$1,250,000</p>	

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	1,250,000	0	0	0	0	0	0	0	1,250,000
Total	0	0	1,250,000	0	0	0	0	0	0	0	1,250,000
<b>Revenues</b>											
221CF Committed Funding	0	0	1,250,000	0	0	0	0	0	0	0	1,250,000
Total	0	0	1,250,000	0	0	0	0	0	0	0	1,250,000



Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2023		Growth: 0.0 % Maintenance: 0.0 %	Derek Thachuk	2026



# Project Version Summary

<b>Project #</b>	ENG-010-17	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Corporate Projects
<b>Title</b>	Capitol Theatre Capital Rehabilitation Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	Ward 3		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	The Capitol Theatre requires funding for capital maintenance, repairs and replacements to maintain the building envelope, systems and equipment within.
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<b>Version Description</b>	<p>Specific work identified at this time is as follows:          2024 to 2025 – to complete the renovations to the north basement including finishes, equipment and fit up.          2024 to 2032 - funding to be prioritized based on Building Condition Assessments and other identified needs</p> <p>Enterprise Risk(s): This funding will mitigate against the identified infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.</p>
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
7129000 also REC-002-12 (CLOSED) 7183008 (was ECB-010-18 - Enhanced Capital Budget 2018)	

<b>Project Detailed Forecast</b>												
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>	
<b>Expenses</b>												
5410 Construction Contracts - TCA	0	750,000	750,000	0	0	100,000	100,000	100,000	0	750,000	2,550,000	
Total	0	750,000	750,000	0	0	100,000	100,000	100,000	0	750,000	2,550,000	
<b>Revenues</b>												
221 Service Sustainability Investm	0	750,000	750,000	0	0	100,000	100,000	100,000	0	750,000	2,550,000	
Total	0	750,000	750,000	0	0	100,000	100,000	100,000	0	750,000	2,550,000	

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2019	40,000	40,000	0				
		2020	560,000	560,000	0				
		2021	250,000	250,000	0				
		2022	200,000	200,000	0				
					The lack of capital funding would result in deferral of repairs and increase the likelihood of additional spending in the operating budget.				
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date					
2017	January 1, 2020	Growth: 0.0 % Maintenance: 0.0 %	Derek Thachuk	Ongoing`					



# Project Version Summary

<b>Project #</b>	ENG-011-17	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Corporate Projects
<b>Title</b>	400 City Hall Square - Capital Repairs		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	Ward 3		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	Funds to cover repairs/replacements of building envelope, components, equipment and systems at 400 CHS.
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<b>Version Description</b>	<p>Specific work identified at this time is as follows:          2023-2024 - HVAC Equipment Replacements (\$1,700,000) and Fire Alarm System Replacement (\$120,000)          2026 to 2032 - Funding to be prioritized based on Building Condition Assessments and other identified needs</p> <p>Enterprise Risk(s): This funding will mitigate against the identified infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.</p>
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
7171011	

<b>Project Detailed Forecast</b>		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	129,700	1,690,300	0	500,000	500,000	100,000	100,000	100,000	100,000	225,000	3,445,000
	Total	129,700	1,690,300	0	500,000	500,000	100,000	100,000	100,000	100,000	225,000	3,445,000
<b>Revenues</b>												
186	400 City Hall Square E.	129,700	1,690,300	0	500,000	500,000	100,000	100,000	100,000	100,000	225,000	3,445,000
221	Service Sustainability Investm	0	0	0	0	0	0	0	0	0	0	0
	Total	129,700	1,690,300	0	500,000	500,000	100,000	100,000	100,000	100,000	225,000	3,445,000

Related Projects		Historical Approved Budget			Operating Budget Impact
			<b>Revenue</b>		
		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>
		2017	100,000	100,000	0
		2019	300,000	300,000	0
		2020	700,000	700,000	0
		2021	500,000	500,000	0
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date	
2017	January 1, 2017	Growth: 0.0 % Maintenance: 100.0 %	Derek Thachuk	Ongoing`	



# Project Version Summary

<b>Project #</b>	ENG-013-20	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Corporate Projects
<b>Title</b>	Sandwich St. Sewer Rehabilitation		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	Ward 2		
<b>Version Name</b>	Main (Active)		

**Project Description**

As part of the Gordie Howe International Bridge (GHIB) Project, \$12 million will be invested by the Federal government into road improvements to Sandwich Street. Additionally, \$13.8 million in sewer upgrades on Sandwich Street between Ojibway Parkway and Rosedale Ave. (Approx. 3 km) are required before WDBA/BNA completes the work identified above. This will allow the City to maximize the benefits of this funding and may allow for cost efficiencies.

**Version Description**

Construction is expected to be completed by end of 2023.

Project to remain open until pre-committed budget is received.

Project Comments/Reference	Version Comments
7209009	COMMITMENT: CR139/2020 - C 51/2020: 2023 F153 \$2,030,000 - 2024 F153 \$1,413,750 - 2024 F221 \$300,000

Project Detailed Forecast											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	2,030,000	1,713,750	0	0	0	0	0	0	0	0	3,743,750
Total	2,030,000	1,713,750	0	0	0	0	0	0	0	0	3,743,750
<b>Revenues</b>											
028CF Committed Funding	0	0	0	0	0	0	0	0	0	0	0
153CF Committed Funding	2,030,000	1,413,750	0	0	0	0	0	0	0	0	3,443,750
221CF Committed Funding	0	300,000	0	0	0	0	0	0	0	0	300,000
Total	2,030,000	1,713,750	0	0	0	0	0	0	0	0	3,743,750

Related Projects		Historical Approved Budget			Operating Budget Impact
			Revenue		
		Year	Total Expense	Net City Cost	Subsidies
		2020	1,255,000	1,255,000	0
		2021	4,740,800	4,740,800	0
		2022	2,030,000	2,030,000	0
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date	
2020		Growth: 0.0 % Maintenance: 100.0 %	Joe Dattilo	2023	



# Project Version Summary

<b>Project #</b>	ENG-014-20	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Corporate Projects
<b>Title</b>	Ojibway Wildlife Overpass		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	Ward 1		
<b>Version Name</b>	Main (Active)		

## Project Description

The Windsor-Detroit Bridge Authority (WDBA) has announced, as part of its community benefits package for the Sandwich Street Improvements, seed money in the amount of \$1.5 M for an eco-passage (bridge) connecting the Black Oak Heritage Forest and Ojibway Park, as a joint project with the City of Windsor.

This eco-passage (bridge) will provide safe passage for area wildlife and species at risk in the Ojibway Prairie Complex. Approximately 20,000 vehicles per day travel along the Ojibway Parkway and E.C. Row Expressway. This contributes heavily to wildlife mortality.

## Version Description

In accordance with CR524/2019, the Corporation of the City of Windsor is completing a Municipal Class Environmental Assessment (EA) study for a proposed Wildlife Overpass over Ojibway Parkway in the City of Windsor. The EA identifies potential impacts as a result of such a structure and identify potential location, the type of structure required and a high level budget cost to pursue this project. The EA remains underway for a full crossing of both road and rail alternative. The cost to design and construct the wildlife overpass crossing both Ojibway Parkway and the ETR is estimated at \$37M.

To date, WDBA has funded \$250,000 for the study phase and the City may receive an additional \$1,250,000 in funding from WDBA should the City commit to funding the balance of the project. The balance of the funding required for this project is estimated at \$35.75M which will be brought forward in future budget requests.

Administration will continue to pursue funding grants.

## Project Comments/Reference

7201005

## Version Comments

## Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	0	250,000	0	0	0	0	0	0	250,000
Total	0	0	0	250,000	0	0	0	0	0	0	250,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	250,000	0	0	0	0	0	0	250,000
Total	0	0	0	250,000	0	0	0	0	0	0	250,000



Related Projects		Historical Approved Budget			Operating Budget Impact	
			<u>Revenue</u>			
		<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	
		2021	250,000	250,000	0	
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date		
2020	December 31, 2019	Growth: 0.0 % Maintenance: 0.0 %	Sergio Colucci	Ongoing`		



## Project Version Summary

<b>Project #</b>	HCP-002-09	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Corporate Projects
<b>Title</b>	Fire Hall Capital Refurbishment Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>											
This project is used for all Fire Hall capital repairs that are prioritized annually by Facilities in consultation with Fire. Fire & Rescue facilities are unique in that they serve an emergency response function, with staff living in them and operate 24 hours a day. In particular, Firehall 1, 3, 4 & 9, as well as, the Fire Prevention office are older facilities and are experiencing greater capital investment needs to maintain, repair or replace aging components.											
<b>Version Description</b>											
Fire Halls require funds for repairs/replacements as needed.											
Enterprise Risk(s): This funding will mitigate against the identified infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.											
<b>Project Comments/Reference</b>						<b>Version Comments</b>					
7091015											
<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	150,000	0	0	0	150,000	0	0	0	0	0	300,000
Total	150,000	0	0	0	150,000	0	0	0	0	0	300,000
<b>Revenues</b>											
221 Service Sustainability Investm	150,000	0	0	0	150,000	0	0	0	0	0	300,000
Total	150,000	0	0	0	150,000	0	0	0	0	0	300,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2009	150,750	150,750	0				
		2012	150,000	0	150,000				
		2014	210,000	0	210,000				
		2016	59,500	59,500	0				
		2017	150,000	150,000	0				
		2018	150,000	150,000	0				
		2022	100,000	100,000	0				
					No operating budget impact.				
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2009	January 2, 2016	Growth: 0.0 % Maintenance: 100.0 %	Derek Thachuk		Ongoing`				



## Project Version Summary

<b>Project #</b>	HCP-005-08	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Corporate Projects
<b>Title</b>	Corporate Facilities Paving Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	
Some of the asphalt paving and concrete approaches at Corporate Facilities are beyond their life expectancy or have become damaged. This includes cracked and uneven surfaces which cause trip hazards, allow water to penetrate the surface which will erode the base layer and ultimately speed up the deterioration of the surface layer. In extreme cases it causes vehicle damage. Depressions allow ponding water to freeze/thaw cycle which can quickly break up materials. The repairs to these surfaces will reduce vehicle wear and damage as well as reduce liability associated with trip and fall incidents.	
<b>Version Description</b>	
Repair of asphalt paving and concrete approaches city wide that are beyond their life expectancy.	
Enterprise Risk(s): This funding will mitigate against the identified infrastructure enterprise risk. The lace become damaged on a priority basis. This project requires annual funding of \$100,000 in 2022-2023, 2025 and 2027 to be prioritized based on need.	
Specific work identified at this time is as follows: 2024 - WFCU Parking Lot (\$315,000) / Funding to be prioritized based on Building Condition Assessments and other identified needs (\$2,000,000) 2028 - 2437 Howard Ave. Parking Lot (\$750,000) / Lakeview Park Marina Parking Lot (\$250,000 - from REC-002-07) 2029 - Lakeview Park Marina Parking Lot (\$150,000 - from REC-002-07) /Funding to be prioritized based on Building Condition Assessments and other identified needs (\$850,000). WFCU Parking Lot (\$2,000,000) and Willistead Parking Lot (\$400,000), Huron Lodge Parking Lot (\$650,000). 2030 - 2032 Funding to be prioritized based on Building Condition Assessments and other identified needs	
Enterprise Risk(s): This funding will mitigate against the identified infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken	
<b>Project Comments/Reference</b>	<b>Version Comments</b>
7101016, 7204001 (WFCU Parking Lot Addition)	COMMITMENT: CR144/2020 - C 67/2020 (7204001) : 2024 F221 \$315,000

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	100,000	2,315,000	100,000	0	100,000	1,000,000	4,050,000	1,000,000	850,000	250,000	9,765,000
Total		100,000	2,315,000	100,000	0	100,000	1,000,000	4,050,000	1,000,000	850,000	250,000	9,765,000
<b>Revenues</b>												
221	Service Sustainability Investm	100,000	2,000,000	100,000	0	100,000	1,000,000	4,050,000	1,000,000	850,000	250,000	9,450,000
221CF	Committed Funding	0	315,000	0	0	0	0	0	0	0	0	315,000
Total		100,000	2,315,000	100,000	0	100,000	1,000,000	4,050,000	1,000,000	850,000	250,000	9,765,000
Related Projects		Historical Approved Budget				Operating Budget Impact						
				Revenue				Effective Date		Unknown	Exp/(Rev) FTE Impact	
		<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<u>Description</u>					0	0
		2008	49,500	49,500	0	No operating budget impact.						
		2009	34,000	34,000	0							
		2010	30,000	30,000	0							
		2015	128,500	128,500	0							
		2016	100,000	100,000	0							
		2017	600,000	600,000	0							
		2018	150,000	150,000	0							
		2019	100,000	100,000	0							
		2021	1,215,000	1,215,000	0							
		2022	1,070,000	1,070,000	0							
Year Identified	Start Date	Project Type for 2023		Project Lead		Est. Completion Date						
2008	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %		Derek Thachuk		Ongoing`						



# Project Version Summary

<b>Project #</b>	HCP-010-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Corporate Projects
<b>Title</b>	Willistead Complex Capital Rehabilitation Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	Ward 4		
<b>Version Name</b>	Main (Active)		

**Project Description**

Having been constructed in 1906, the Willistead Manor, Coach House and Gatehouse, as well as the grounds, require a high level of capital investment so as to preserve their outstanding heritage features and character. The expenditures identified are capital in nature designed to maintain the operational integrity of this heritage complex.

**Version Description**

The Willistead Complex requires an annual allotment of \$50,000 in 2027 and \$75,000 in 2028-2030 for repairs and maintenance as needed.

Specific work identified at this time is as follows:

2027 - Basement Restoration and Interior Painting (\$500,000)  
 2029 to 2031 – Willistead Fencing & Pillars Restoration (\$1,500,000)

Enterprise Risk(s): This funding will mitigate against the identified infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.

Project Comments/Reference	Version Comments
7062048/7171061 (Closed) 7125002 / 7195000 (One Time FGT 2019)	

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	0	0	0	0	50,000	75,000	575,000	1,075,000	500,000	100,000	2,375,000
	Total	0	0	0	0	50,000	75,000	575,000	1,075,000	500,000	100,000	2,375,000
<b>Revenues</b>												
151	Parks/Rec/Facil Acquis Funding	0	0	0	0	0	0	0	0	0	0	0
221	Service Sustainability Investm	0	0	0	0	50,000	75,000	575,000	1,075,000	500,000	100,000	2,375,000
	Total	0	0	0	0	50,000	75,000	575,000	1,075,000	500,000	100,000	2,375,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2007	50,000	50,000	0				
		2008	50,000	50,000	0				
		2010	20,000	20,000	0				
		2011	20,000	20,000	0				
		2012	20,000	20,000	0				
		2016	750,000	750,000	0				
		2017	750,000	750,000	0				
		2019	680,000	680,000	0				
		2022	1,650,000	1,650,000	0				
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2012	January 1, 2012	Growth: 0.0 % Maintenance: 0.0 %		Derek Thachuk	Ongoing`				



# Project Version Summary

<b>Project #</b>	OPS-006-19	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Corporate Projects
<b>Title</b>	Food and Organic Waste Collection and Treatment		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

## Project Description

As of April 30th, 2018, the MECP released the finalized Framework for Ontario's Food and Organic Waste. The result is that the City of Windsor, due to its population and density, will be required to provide curbside collection of food waste. This would be in addition to the existing yard waste collection.

In August 2022, the EWSWA Board approved a 5-year contract with a Short-Term Service provider to ensure compliance by 2025. The next phase includes an evaluation of organic waste collection and transfer. Additionally, an evaluation of long-term options is required to establish a plan for long-term organic waste processing services.

## Version Description

2024-2025: Engineering and consultant costs for evaluating Collection options, best practices and recommend a direction moving forward. This will also include research on long-term organic waste service delivery options. Additional funding requirements will be identified following the completion of this study.

## Project Comments/Reference

7184005 (Consultant review options specific to the City of Windsor)

## Version Comments

## Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
2950 Other Prof Services- External	0	223,000	254,000	0	0	0	0	0	0	0	477,000
Total	0	223,000	254,000	0	0	0	0	0	0	0	477,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	223,000	254,000	0	0	0	0	0	0	0	477,000
Total	0	223,000	254,000	0	0	0	0	0	0	0	477,000



Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2021	165,000	165,000	0	No Operating Budget Impact at the Consulting stage			
		2022	20,000	20,000	0				
Year Identified	Start Date	Project Type for 2023		Project Lead		Est. Completion Date			
2019	September 1, 2018	Growth: 0.0 % Maintenance: 0.0 %		Tracy Beadow		Ongoing`			



# Project Version Summary

<b>Project #</b>	OPS-007-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Corporate Projects
<b>Title</b>	Public Works Operations Facilities Refurbishment		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>
<p>Ongoing improvements to Public Works buildings including Crawford Yard, Environmental Yard and Traffic Operations based on priority.</p> <p>The Maintenance, Contracts, Field Services, and Fleet Divisions are headquartered at the Crawford Yard Facility. Satellite locations for these divisions include the east end winter control salt storage and administrative trailer at 3540 N. Service Rd.</p> <p>Crawford Yard Facility was converted from prior industrial uses to accommodate Public Works staff over 45 years ago. There is a salt dome and 4 buildings with material storage/processing areas on-site. Rehabilitation and renovation are required on an ongoing basis due to changes in technological and operational requirements and the age of the various buildings and the site.</p>

<b>Version Description</b>
<p>An annual allotment of \$25,000 in 2024-2027, and in 2031 for various repairs, to address health &amp; safety issues, unexpected needs and to perform proper maintenance is also needed.</p> <p>Specific work identified at this time is as follows:          2023 - Crawford Yard Shop Floor Drain Repairs          2028 - Traffic Sign Shop Ventilation (\$100,000)          2029 - Crawford Yard Mechanical Upgrades (\$500,000); Crawford Yard Stockroom Renovation (\$300,000);          2032- Crawford Yard Canopy at rear of salt dome</p>

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7033139 (Closed) / 7141029	

<b>Project Detailed Forecast</b>												
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>	
<b>Expenses</b>												
5410 Construction Contracts - TCA	653,899	25,000	25,000	25,000	25,000	100,000	800,000	100,000	25,000	365,000	2,143,899	
Total	653,899	25,000	25,000	25,000	25,000	100,000	800,000	100,000	25,000	365,000	2,143,899	
<b>Revenues</b>												
221 Service Sustainability Investm	653,899	25,000	25,000	25,000	25,000	100,000	800,000	100,000	25,000	365,000	2,143,899	
Total	653,899	25,000	25,000	25,000	25,000	100,000	800,000	100,000	25,000	365,000	2,143,899	

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2007	50,000	50,000	0				
		2008	50,000	50,000	0				
		2009	50,000	50,000	0				
		2010	50,000	50,000	0				
		2011	50,000	50,000	0				
		2014	500,000	300,000	200,000				
		2015	275,000	275,000	0				
		2016	50,000	50,000	0				
		2017	75,000	75,000	0				
		2018	373,360	271,000	102,360				
		2019	490,720	490,720	0				
		2020	25,000	25,000	0				
		2021	596,101	596,101	0				
		2022	575,000	575,000	0				
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>		<b>Est. Completion Date</b>			
2007	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %		Derek Thachuk		Ongoing`			



## Project Version Summary

<b>Project #</b>	PFO-001-12	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Corporate Projects
<b>Title</b>	Corporate Properties Security Systems and Infrastructure		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

The Corporate Security Infrastructure forms an important element of Facilities that lends towards the safety of both municipal staff and the public. It includes items such as card access equipment, cameras, monitors, digital video recording devices, customer service counters, electric strikes with door release buttons, door hardware and exterior lighting. This program would fund the necessary repairs, modifications, expansions and upgrades to existing systems, as well as the funding to install new infrastructure, as required, where none has previously existed.

An internal audit on Corporate Facilities Key Control was conducted by the Office of Continuous Improvement. One of its recommendations stated "An opportunity exists for the Facility Operations Division to provide guidance to operating departments in the expected minimum standards and other best practices that should be utilized for tracking keys issued to employees." Key cards provide access to buildings and consequently, to the people located within the buildings. An absence of strict key and card control could pose a risk to security.

### Version Description

Annual allotment for system maintenance and conversion of key control system: 2023 (\$25,000) /2024-2027 (\$150,000) /2031 (\$75,000)

Specific work identified at this time is as follows:

- 2023 - Corporate Security Upgrades(\$50,000)
- 2028 - Zamboni Room Card Access for Forest Glade Arena, Adie Knox Arena and Capri Pizzeria Recreation Complex (\$75,000)
- 2029 - Corporate Security Upgrades (\$75,000)
- 2030 - Corporate Security Upgrades (\$75,000)
- 2031 - 400 CHS (\$250,000)

Other identified needs without specific timeline:

Corporate Security Upgrades (\$575,000)

### Project Comments/Reference

- 7053035 - This capital account replaces both Corporate Wide Security Systems and Security Infrastructure Improvements.
- 7165002 - This capital account tracks activities for Corporate Facilities Access Protocols project

### Version Comments

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	75,000	150,000	150,000	150,000	150,000	75,000	75,000	75,000	325,000	100,000	1,325,000
Total		75,000	150,000	150,000	150,000	150,000	75,000	75,000	75,000	325,000	100,000	1,325,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	25,000	25,000	25,000	75,000	75,000	0	0	0	0	80,000	305,000
221	Service Sustainability Investm	50,000	125,000	125,000	75,000	75,000	75,000	75,000	75,000	325,000	20,000	1,020,000
Total		75,000	150,000	150,000	150,000	150,000	75,000	75,000	75,000	325,000	100,000	1,325,000

Related Projects		Historical Approved Budget				Operating Budget Impact				
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
					Year	Total Expense				
2012	January 1, 2015	Growth: 33.3 % Maintenance: 66.7 %	Derek Thachuk	Ongoing	2012	50,000	50,000	0		0
					2013	50,000	50,000	0		0
					2014	106,500	106,500	0		0
					2015	100,000	100,000	0		0
					2016	100,000	100,000	0		0
					2017	50,000	50,000	0		0
					2018	50,000	50,000	0		0
					2019	135,000	135,000	0		0
					2020	50,000	50,000	0		0
					2021	75,000	75,000	0		0
					2022	125,000	125,000	0		0



# Project Version Summary

<b>Project #</b>	PFO-001-21	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Corporate Projects
<b>Title</b>	Legacy Beacon/Streetcar #351		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	Ward 2		
<b>Version Name</b>	Main (Active)		

**Project Description**

In 2000, Windsor City Council approved the Central Riverfront Implementation Plan (CRIP). This master planning document, identifies five Beacons which are to be located along the length of the central waterfront and act as nodes encompassing points of orientation, activity and information. The Legacy Beacon is one of the five (5) Beacons and, according to the CRIP, is to be located in Legacy Park on the riverfront at the foot of Caron Avenue.

At the October 25, 2021 council meeting City Council approved the Legacy Beacon as the new home for Streetcar No. 351. The Streetcar is to be located inside a building in order to mitigate the various risks if it were to be housed outside.

**Version Description**

Project is underway. Construction anticipated in 2023-2024.

The project will be completed in conjunction with the requirements of the CRIP and partially funded from PFO-003-15.

Project Comments/Reference	Version Comments
7191003	<p>COMMITMENT:            CR317/2020 C 197/2019: 2023 F169 \$954,000            - \$903,045 was reallocated from 2023 to 2022 as part of the 2022 Capital Budget, leaving \$50,955</p> <p>Commitments moved to F176 RE: Capital Budget 2022 as at 24-Sep-21            F169 -\$903k 2023, -\$1.346k 2024, -\$1.05k 2025</p>

Project Detailed Forecast											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	50,955	0	0	0	0	0	0	0	0	0	50,955
Total	50,955	0	0	0	0	0	0	0	0	0	50,955
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
169CF Committed Funding	50,955	0	0	0	0	0	0	0	0	0	50,955
176 Canada Community-Building Fund	0	0	0	0	0	0	0	0	0	0	0
Total	50,955	0	0	0	0	0	0	0	0	0	50,955

Related Projects		Historical Approved Budget			Operating Budget Impact	
			Revenue			
		<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	
		2022	4,599,045	4,599,045	0	
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date		
2021	January 1, 2020	Growth: 100.0 % Maintenance: 0.0 %	Tracy Beadow	2024		



# Project Version Summary

<b>Project #</b>	PFO-002-12	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Corporate Projects
<b>Title</b>	Facility Structural & Building Envelope Maintenance Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

This program is intended to fund structural & building envelope repairs at all corporately owned facilities. These improvements focus on the building envelope and structural repairs and generally have individual cost occurrences of less than \$50,000.

**Version Description**

An annual budget is required to cover all repairs on an as needed basis.

Specific work identified at this time is as follows:  
 2025 - Computer for Kids (4150 Sandwich) Renovation (\$500,000)  
 2026 - 930 Mercer Exterior Wall Insulation and Siding (\$100,000)  
 2030 – Window replacements at the Crawford Site (\$500,000)

Funding to be prioritized based on Building Condition Assessments and other identified needs

Enterprise Risk(s): This funding will mitigate against the identified Infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.

Project Comments/Reference	Version Comments
7151017	

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	50,000	50,000	550,000	150,000	500,000	750,000	1,000,000	1,500,000	500,000	500,000	5,550,000
	Total	50,000	50,000	550,000	150,000	500,000	750,000	1,000,000	1,500,000	500,000	500,000	5,550,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
221	Service Sustainability Investm	50,000	50,000	550,000	150,000	500,000	750,000	1,000,000	1,500,000	500,000	500,000	5,550,000
	Total	50,000	50,000	550,000	150,000	500,000	750,000	1,000,000	1,500,000	500,000	500,000	5,550,000



Related Projects		Historical Approved Budget				Operating Budget Impact			
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2015	75,000	75,000	0				
		2018	50,000	50,000	0				
		2019	100,000	100,000	0				
		2020	150,000	150,000	0				
		2021	500,000	500,000	0				
		2022	50,000	50,000	0				
Year Identified	Start Date	Project Type for 2023		Project Lead		Est. Completion Date			
2012	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %		Derek Thachuk		Ongoing`			



## Project Version Summary

<b>Project #</b>	PFO-002-14	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Corporate Projects
<b>Title</b>	Huron Lodge Facility Rehabilitation Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	Ward 1		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	
<p>There are a number of corrections required at Huron Lodge. The most significant are correcting issues related to the building envelope water leaks (walls, windows, roof, and parapets), the heating, cooling, ventilation, &amp; humidification systems, plumbing, and flooring repairs. An architectural/engineering consultant is required to assess the deficiencies and recommend the best, most cost effective solutions.</p>	
<b>Version Description</b>	
<p>Specific work identified at this time is as follows:</p> <p>2025 - Flooring, Humidifiers Replacement and Boilers Replacement (\$750,000)          2026 - Water Softener System Replacement, Chiller Pumps, Fire Panel, Rooftop Units, Building Envelope Repairs (\$750,000) &amp; Trash Compactor (\$175,000)          2027 - Trash Compactor (\$175,000)          2028 - Trash Compactor (\$50,000)          2029-2030 - Dock Leveler (\$100,000) and other miscellaneous equipment repairs          2031 – Generator Upgrades (\$800,000)          2032 – Elevator Modernization (\$800,000),</p> <p>Additional operational needs that remain unfunded in the 10 year Capital plan: Spa Room Renovations (\$700,000), Maglock System Installation (\$500,000)</p> <p>In general, an annual allotment of \$100,000 is reserved for various repairs, unexpected needs and maintenance.</p> <p>Enterprise Risk(s): This funding will mitigate against the identified infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.</p>	
<b>Project Comments/Reference</b>	<b>Version Comments</b>
7153006/7152003	

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5411	Construction Contracts-Non TCA	0	0	750,000	750,000	100,000	100,000	100,000	100,000	900,000	900,000	3,700,000
Total		0	0	750,000	750,000	100,000	100,000	100,000	100,000	900,000	900,000	3,700,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
221	Service Sustainability Investm	0	0	750,000	750,000	100,000	100,000	100,000	100,000	900,000	900,000	3,700,000
Total		0	0	750,000	750,000	100,000	100,000	100,000	100,000	900,000	900,000	3,700,000
<b>Related Projects</b>		<b>Historical Approved Budget</b>					<b>Operating Budget Impact</b>					
					<b>Revenue</b>		<b>Effective Date</b> Unknown		<b>Exp/(Rev)</b>		<b>FTE Impact</b>	
		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Description</b>						
		2015	100,000	100,000	0	No operating budget impact.						
		2016	250,000	250,000	0							
		2017	250,000	250,000	0							
		2020	230,000	230,000	0							
		2022	175,000	175,000	0							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>			<b>Project Lead</b>		<b>Est. Completion Date</b>					
2014	January 1, 2015	Growth: 0.0 % Maintenance: 0.0 %			Derek Thachuk		Ongoing`					



# Project Version Summary

<b>Project #</b>	PFO-002-18	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Corporate Projects
<b>Title</b>	Facility & Parks Building Demolitions		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

There are a number of buildings within the Facilities division that are in poor condition. They have been identified as reaching the end of their useful life and need to be demolished. By demolishing these buildings, the Corporation would no longer have the liability to maintain these buildings. In addition, restoration of the property will help in creating an improved aesthetic for the neighbourhoods and parks that surround these buildings.

**Version Description**

An annual allotment is to fund demolitions. The funds will be assigned on a priority basis.

Project Comments/Reference	Version Comments
7189002	

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	100,000	0	100,000	100,000	0	0	0	0	100,000	400,000
Total	0	100,000	0	100,000	100,000	0	0	0	0	100,000	400,000
<b>Revenues</b>											
221 Service Sustainability Investm	0	100,000	0	100,000	100,000	0	0	0	0	100,000	400,000
Total	0	100,000	0	100,000	100,000	0	0	0	0	100,000	400,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2018	55,000	55,000	0	<p>There will be an approximate operational budget impact of \$30,000 if this project to demolish these structures is not funded. These expenses would impact operational line item accounts such as insurance, utilities and building maintenance due to the need to maintain these structures at a minimum level, despite not being operational. In addition, there is a significant risk component to maintain these vacant buildings, as they are prone to vandalism.</p>			
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2018	January 1, 2018	Growth: 0.0 % Maintenance: 0.0 %		Derek Thachuk	Ongoing`				



# Project Version Summary

<b>Project #</b>	PFO-003-13	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Corporate Projects
<b>Title</b>	401 Riverside Drive W Capital Refurbishment		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	Ward 3		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	Projected capital costs for the ongoing maintenance of the Art Gallery of Windsor and Chimczuk Museum.
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<b>Version Description</b>	<p>The Art Gallery of Windsor and the Chimczuk Museum require funds for various capital repairs and maintenance going forward. Funds will be utilized to carryout capital repairs and replacements, such as HVAC, flooring, glazing, roofing, etc. and as identified by the Building Condition Assessments and to meet operational demands.</p> <p>Enterprise Risk(s): This funding will mitigate against the identified infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.</p>
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
7119006	

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	125,000	0	0	125,000	125,000	125,000	100,000	100,000	0	125,000	825,000
Total	125,000	0	0	125,000	125,000	125,000	100,000	100,000	0	125,000	825,000
<b>Revenues</b>											
221 Service Sustainability Investm	125,000	0	0	125,000	125,000	125,000	100,000	100,000	0	125,000	825,000
Total	125,000	0	0	125,000	125,000	125,000	100,000	100,000	0	125,000	825,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
Precedes REC-001-14		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
Project Title				Net City Cost	Subsidies				
Museum Expansion		2018	1,320,000	1,320,000	0			0	0
		2019	40,000	40,000	0				
		2020	30,000	30,000	0				
		2021	75,000	75,000	0				
		2022	25,000	25,000	0				
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2013	January 1, 2018	Growth: 0.0 % Maintenance: 100.0 %		Derek Thachuk	Ongoing`				



# Project Version Summary

<b>Project #</b>	PFO-003-14	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Corporate Projects
<b>Title</b>	Corporate Facilities Boiler Replacement Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

The average life expectancy of a water boiler is approximately 15 to 20 years, with some failing sooner. Many of our facilities have boilers that are older and require replacement or major repair. New generation boilers offer major increases in annual operating efficiency compared to boilers that are 10 or more years old.

**Version Description**

Funds will be utilized to carryout capital repairs and replacements, at various locations as identified by the Building Condition Assessments and to meet operational demands.

Annual budgets are being requested to replace aging boilers as they approach the end of their useful life.

Enterprise Risk(s): This funding will mitigate against the identified Infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.

Project Comments/Reference	Version Comments
7142001	

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5410	Construction Contracts - TCA	50,000	50,000	50,000	150,000	150,000	50,000	50,000	50,000	500,000	0	1,100,000
	Total	50,000	50,000	50,000	150,000	150,000	50,000	50,000	50,000	500,000	0	1,100,000
<b>Revenues</b>												
221	Service Sustainability Investm	50,000	50,000	50,000	150,000	150,000	50,000	50,000	50,000	500,000	0	1,100,000
	Total	50,000	50,000	50,000	150,000	150,000	50,000	50,000	50,000	500,000	0	1,100,000



Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2014	55,500	55,500	0				
		2015	50,000	50,000	0				
		2019	89,500	89,500	0				
		2022	50,000	50,000	0				
					No operating budget impact.				
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2014	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %	Derek Thachuk		Ongoing`				



# Project Version Summary

<b>Project #</b>	PFO-003-15	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Corporate Projects
<b>Title</b>	Central Riverfront Improvement Plan & Civic Esplanade / Plaza		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	Ward 2, Ward 3, Ward 4		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>
The capital funding is to be used for studies, design, and implementation of works for continued development of the riverfront, the Civic Esplanade as well as the City Hall Square Plaza.
Safety items, accommodation of public access and activities for families continue to be a priority. This includes the development of the Festival Plaza along with trails, beacons and other improvements located at the riverfront.

<b>Version Description</b>
Projects currently underway but not limited to include:
1. Windsor Civic Esplanade Master Plan
2. New outdoor rink for City Hall Square Plaza
3. Festival Plaza
4. Various CRIP-related works such as trails, beacons, and other improvements located at the riverfront.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7152005/7222000/7221065/7204004/7221063/7232004	

<b>Project Detailed Forecast</b>												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	6,144,540	3,469,806	4,793,654	727,000	300,000	1,682,969	7,342,935	1,381,096	0	1,678,000	27,520,000
	Total	6,144,540	3,469,806	4,793,654	727,000	300,000	1,682,969	7,342,935	1,381,096	0	1,678,000	27,520,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	2,422,430	1,165,540	1,584,454	727,000	100,000	669,980	6,492,884	381,045	0	1,678,000	15,221,333
176	Canada Community-Building Fund	2,807,110	2,104,266	3,209,200	0	0	1,012,989	850,051	1,000,051	0	0	10,983,667
214	Tourism Devlmt Infrst & Prgm	0	0	0	0	0	0	0	0	0	0	0
221	Service Sustainability Investm	915,000	200,000	0	0	200,000	0	0	0	0	0	1,315,000
	Total	6,144,540	3,469,806	4,793,654	727,000	300,000	1,682,969	7,342,935	1,381,096	0	1,678,000	27,520,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2018	1,990,000	1,990,000	0				
		2019	310,000	310,000	0				
		2022	1,740,000	1,740,000	0				
					No operating budget impact.				
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2014	January 1, 2018	Growth: 85.1 % Maintenance: 14.9 %	TBD		Ongoing`				



# Project Version Summary

<b>Project #</b>	PFO-004-12	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Corporate Projects
<b>Title</b>	Corporate Facilities Building Condition Assessments		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

With the help of a consultant, each municipal facility shall be assessed and reported upon in terms of the key components of the building envelope and the building systems. Once completed, this assessment will form the framework for the creation of future capital budget requests over the next ten years. This project is critical in developing our asset management planning program.

**Version Description**

Building condition assessment work will be ongoing. Funding will accumulate in order to perform the next phase of building condition assessments. This work will include building condition assessments of additional buildings, accessibility audits and re-testing/re-inspecting as required.

Annual budget are requested to cover the cost of building condition assessment work performed.

Enterprise Risk(s): This funding will mitigate against the identified Infrastructure enterprise risk. This funding will help identify the infrastructure needs within Facilities so future costs can be projected.

Project Comments/Reference	Version Comments
7141021	

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5410	Construction Contracts - TCA	50,000	0	0	200,000	200,000	200,000	100,000	100,000	0	0	850,000
	Total	50,000	0	0	200,000	200,000	200,000	100,000	100,000	0	0	850,000
<b>Revenues</b>												
221	Service Sustainability Investm	50,000	0	0	200,000	200,000	200,000	100,000	100,000	0	0	850,000
	Total	50,000	0	0	200,000	200,000	200,000	100,000	100,000	0	0	850,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2014	300,000	0	300,000				
		2019	50,000	50,000	0				
		2020	50,000	50,000	0				
		2021	50,000	50,000	0				
		2022	50,000	50,000	0				
Year Identified	Start Date	Project Type for 2023		Project Lead		Est. Completion Date			
2012	January 1, 2014	Growth: 0.0 % Maintenance: 100.0 %		Derek Thachuk		Ongoing`			



# Project Version Summary

<b>Project #</b>	PFO-004-20	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Corporate Projects
<b>Title</b>	Windsor Lawn Bowling and Tennis Club Exterior Repairs		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	Ward 3		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	To fund repairs and maintenance of the exterior building & lawn bowling gaming area for Windsor Lawn Bowling and Tennis Club as per the lease agreement.
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<b>Version Description</b>	Annual budgets being requested to fund miscellaneous repairs to the buildings and grounds of the lawn bowling and tennis clubs.
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
7204000	

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	100,000	0	0	0	0	100,000	50,000	50,000	0	0	300,000
Total	100,000	0	0	0	0	100,000	50,000	50,000	0	0	300,000
<b>Revenues</b>											
221 Service Sustainability Investm	100,000	0	0	0	0	100,000	50,000	50,000	0	0	300,000
Total	100,000	0	0	0	0	100,000	50,000	50,000	0	0	300,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>		
			<b>Revenue</b>		<b>Effective Date</b> Unknown		<b>Exp/(Rev) FTE Impact</b>
	<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<b>Description</b>		0 0
	2020	100,000	100,000	0	No operating budget impact.		
2022	100,000	100,000	0				

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2020	January 1, 2020	Growth: 0.0 % Maintenance: 100.0 %	Derek Thachuk	Ongoing`
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# Project Version Summary

<b>Project #</b>	PFO-008-21	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Corporate Projects
<b>Title</b>	Corporate Electrical Replacement/Repair Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

To implement a proactive mechanism to allow electrical and fire alarm system replacements to be planned for within the capital budget.

**Version Description**

This project will provide preventative maintenance on all city electrical and fire alarm systems to prevent system failures and extend their useful life. Funds will be utilized to carryout capital repairs and replacements, as identified by the Building Condition Assessments and to meet operational demands.

Funding is requested to cover material costs for capital maintenance.

Enterprise Risk(s): This funding will mitigate against the identified Infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.

<b>Project Comments/Reference</b>	<b>Version Comments</b>

<b>Project Detailed Forecast</b>		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5410	Construction Contracts - TCA	0	0	0	0	0	750,000	150,000	150,000	150,000	1,000,000	2,200,000
	Total	0	0	0	0	0	750,000	150,000	150,000	150,000	1,000,000	2,200,000
<b>Revenues</b>												
221	Service Sustainability Investm	0	0	0	0	0	750,000	150,000	150,000	150,000	1,000,000	2,200,000
	Total	0	0	0	0	0	750,000	150,000	150,000	150,000	1,000,000	2,200,000



Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2021		Growth: 0.0 % Maintenance: 0.0 %	Derek Thachuk	TBD`



# Project Version Summary

<b>Project #</b>	PFO-009-11	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Corporate Projects
<b>Title</b>	Corporate Heating & Cooling Replacement/Repair Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 To implement a proactive mechanism to allow heating and cooling system replacements to be planned for within the capital budget.

**Version Description**  
 This project will provide preventative maintenance on all city heating and cooling units to prevent system failures and extend their useful life.  
 Funds will be utilized to carryout capital repairs and replacements, as identified by the Building Condition Assessments and to meet operational demands.  
 Specific work identified at this time is as follows:  
 2023 - Gino Marcus Roof Top Units, Forest Glade Community Centre, Foreste Glade Library and Adie Knox (prioritized as required),  
 2024 - BAS Upgrades  
 2026 - WFCU Rooftop Unit Compressors  
 Enterprise Risk(s): This funding will mitigate against the identified Infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7121006 (Closed) / 7142000	

<b>Project Detailed Forecast</b>		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	800,000	200,000	500,000	1,130,000	600,000	1,000,000	1,500,000	1,800,000	1,000,000	1,000,000	9,530,000
	Total	800,000	200,000	500,000	1,130,000	600,000	1,000,000	1,500,000	1,800,000	1,000,000	1,000,000	9,530,000
<b>Revenues</b>												
221	Service Sustainability Investm	800,000	200,000	500,000	1,130,000	600,000	1,000,000	1,500,000	1,800,000	1,000,000	1,000,000	9,530,000
	Total	800,000	200,000	500,000	1,130,000	600,000	1,000,000	1,500,000	1,800,000	1,000,000	1,000,000	9,530,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2012	75,000	75,000	0				
		2014	100,000	100,000	0				
		2015	100,000	100,000	0				
		2016	205,000	205,000	0				
		2017	190,000	190,000	0				
		2018	450,000	450,000	0				
		2019	500,000	500,000	0				
		2020	500,000	500,000	0				
		2021	400,000	400,000	0				
		2022	485,000	485,000	0				
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date					
2011	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %	Derek Thachuk	Ongoing`					



# Project Version Summary

<b>Project #</b>	PFO-010-11	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Corporate Projects
<b>Title</b>	Corporate Facilities Interior Renovation Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>
To replace and upgrade flooring, ceiling and wall finishes corporate wide in an effort to improve resistance to damage and reduce the cost of maintaining high traffic areas.

<b>Version Description</b>
Funding is required to replace damaged and aged carpets and floor finishes that are beyond their life expectancy at various municipally owned facilities. Specific work currently identified will help prevent possible trip hazards by replacing and repairing deteriorated flooring.
An annual allotment will be allocated based on Building Condition Assessments and other identified needs
Enterprise Risk(s): This funding will mitigate against the identified Infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7155001/7159011	

<b>Project Detailed Forecast</b>		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5410	Construction Contracts - TCA	0	50,000	50,000	100,000	100,000	750,000	750,000	750,000	395,000	1,139,689	4,084,689
	Total	0	50,000	50,000	100,000	100,000	750,000	750,000	750,000	395,000	1,139,689	4,084,689
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
221	Service Sustainability Investm	0	50,000	50,000	100,000	100,000	750,000	750,000	750,000	395,000	1,139,689	4,084,689
	Total	0	50,000	50,000	100,000	100,000	750,000	750,000	750,000	395,000	1,139,689	4,084,689

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2015	100,000	100,000	0				
		2016	100,000	100,000	0				
		2017	100,000	100,000	0				
		2018	100,000	100,000	0				
		2019	260,000	260,000	0				
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>		<b>Est. Completion Date</b>			
2011	January 1, 2015	Growth: 0.0 % Maintenance: 0.0 %		Derek Thachuk		Ongoing`			



## Project Version Summary

<b>Project #</b>	PFO-010-21	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>		<b>Division</b>	Corporate Projects
<b>Title</b>	Public Works Traffic Signals Control Centre Relocation Project		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	Ward 3, Ward 4		
<b>Version Name</b>	Main (Active)		

### Project Description

Traffic Operations, including the Signs and Markings and Signals Divisions, currently operates out of 1269 Mercer. Through the years, the needs for these divisions has changed with new technology, increased workload and space requirements. The Signals Division operates the Advanced Traffic Management System (ATMS) from the 1269 Mercer location, this system has expanded over the years and has a hardware value of over \$1M including a number of digital servers and sensitive equipment. Because of the age of the building, the electrical system is no longer able to service the needs of this equipment without significant upgrades.

After reviewing the operations at each 1269 Mercer, 1266 McDougall and 1531 Crawford Yard, it was determined that there would be significant synergies in moving IMS to Crawford Yard. This would free up enough space to accommodate the ATMS and associated staff within the McDougall facility.

As this system is one of the most highly technical systems of it's kind in the Province, creating a more functional space for this equipment, will further provide opportunities to showcase the sophisticated system to outside parties.

The proposed project includes;

- 1- Relocating the ATMS equipment from Mercer to 1266 McDougall, completing electrical upgrades, renovations for the Traffic Operations Centre (TOC).
- 2- Move Information Management Strategy (IMS) staff from the McDougall facility to the Crawford Yard facility and completing some building renovations and/or a small addition as required.
- 3- Completing some minor renovations to the Mercer building to provide suitable work space for the remaining staff.

### Version Description

2026 Engineering for:

- Building renovations / addition to Field Engineering at 1531 Crawford Yard for Information Management Strategy (IMS) staff.
- Building Renovations to 1266 McDougall and 1269 Mercer.

2030-2031 Phased Construction – not fully funded.

The overall project budget is estimated at \$4.5 M and is not fully funded within the 10-year plan.

### Project Comments/Reference

### Version Comments

<b>Project Detailed Forecast</b>												
<b>GL Account</b>		<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>												
5410	Construction Contracts - TCA	0	0	0	600,000	0	0	0	750,000	400,000	0	1,750,000
Total		0	0	0	600,000	0	0	0	750,000	400,000	0	1,750,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	400,000	0	400,000
221	Service Sustainability Investm	0	0	0	600,000	0	0	0	750,000	0	0	1,350,000
Total		0	0	0	600,000	0	0	0	750,000	400,000	0	1,750,000

<b>Related Projects</b>		<b>Historical Approved Budget</b>			<b>Operating Budget Impact</b>		
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>	<b>Est. Completion Date</b>		
2021		Growth: 0.0 % Maintenance: 0.0 %		Derek Thachuk	TBD`		



# Project Version Summary

<b>Project #</b>	PFO-011-21	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Corporate Projects
<b>Title</b>	Public Works Truck Wash Bays		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

## Project Description

This project is for the construction of a drive through indoor wash bay for the purposes of washing large service vehicle such as Recycling Trucks, Refuse Packers, Front End Loader Packers, Street Sweepers. In prior years, trucks were washed at truck wash bay in the Essex-Windsor Solid Waste Authority (EWSWA) Recycling Center. The EWSWA has since repurposed that area and it is no longer available for the same use. Many of these trucks are used six days a week, and on varying shifts. Failure to clean these vehicles on a daily basis will result in a shortened lifecycle. Critical preventative maintenance of these vehicles require proper exterior as well as interior cleaning.

In addition, the current Crawford Truck bay requires maintenance and improvement to meet the safety and operational requirement to service City Truck Fleet. The wash bay is for regular maintenance as well as for washing of salt from Winter Control Truck. This is an essential requirement to maintain the service life of the fleet trucks.

## Version Description

2026 Engineering for 2 enclosed truck wash facilities at Crawford Yard and Environmental Services sites.

The construction budget is not funded within the 10-year plan. Estimates are as follows:

- Crawford Yard Truck Wash (\$500,000);
- Environmental Service Truck Wash Bay (\$500,000)

## Project Comments/Reference

## Version Comments

## Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	0	200,000	0	0	0	50,000	0	0	250,000
Total	0	0	0	200,000	0	0	0	50,000	0	0	250,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
221 Service Sustainability Investm	0	0	0	200,000	0	0	0	50,000	0	0	250,000
Total	0	0	0	200,000	0	0	0	50,000	0	0	250,000



Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2021		Growth: 0.0 % Maintenance: 0.0 %	Derek Thachuk	TBD`



# Project Version Summary

<b>Project #</b>	PFO-014-21	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Corporate Projects
<b>Title</b>	Access Control/Building Automation System Replacements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

## Project Description

The physical access control system determines who is allowed to enter or exit, as well as where and when they are allowed to enter or exit. The current access control system is approaching its end-of-life, will ultimately be discontinued, and parts and support will steadily become unavailable.

This project will plan for, design and implement a replacement for the corporate access control system to maintain a safe and secure environment. The scope will include, but not be limited to a replacement of the access control system hardware and software, replace infrastructure (readers, cabling, etc.) where required, add access control locations where required, ensure integration with the Workforce Management system, ensure integration with other corporate security systems, (BAS, Lighting), replace access cards with the latest security technology, programming, commissioning, training and service & support.

## Version Description

## Project Comments/Reference

## Version Comments

## Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	0	0	0	1,850,000	0	0	1,100,000	750,000	3,700,000
Total	0	0	0	0	0	1,850,000	0	0	1,100,000	750,000	3,700,000
<b>Revenues</b>											
221 Service Sustainability Investm	0	0	0	0	0	1,850,000	0	0	1,100,000	750,000	3,700,000
Total	0	0	0	0	0	1,850,000	0	0	1,100,000	750,000	3,700,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2021		Growth: 0.0 % Maintenance: 0.0 %	Derek Thachuk	TBD`



## Project Version Summary

<b>Project #</b>	REC-002-21	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Corporate Projects
<b>Title</b>	Adie Knox Herman Reimagining Project		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	Ward 2		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	
The capital funding for this project involves the reimagining of the Adie Knox Recreation Complex to include but not limited to a new full-sized gymnasium, program rooms, fitness centre, music room, washrooms, outdoor tennis/pickle ball courts, basketball court, shade structure and walking trail.	
<b>Version Description</b>	
Project is underway with construction expected to be complete in late 2025	
Project to remain open until pre-committed budget is received.	
<b>Project Comments/Reference</b>	<b>Version Comments</b>
7211050	<p>CCOMMITMENTS:</p> <p>CR274/2021 - C 82/2021: 2023 F221 \$400,000 for splash pad</p> <p>CR329/2022 - C 110/2022: 2023 F169 \$1,738,045 - 2024 F169 \$4,948,358 - F160 \$375,000 - 2025 F169 \$3,150,000 - 2026 F221 \$2,225</p> <p>PLACEHOLDER:</p> <p>CR329/2022 - C 110/2022: 2027 F169 \$1,200,000 F221 \$2,400,000 - 2028 F169 \$1,283,649 - F221 \$26,000 (Phase 1 - funds pre-committed and available for immediate use when within the 5 year window).</p> <p>CR329/2022 - C 110/2022: 2023 F221 \$800,000 - 2024 F221 3,274,730 - 2025 F221 \$2,272,045 - 2026 F221 \$2,653,225</p>

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	2,938,045	8,598,088	5,422,045	2,655,450	6,076,723	1,309,649	0	0	0	0	27,000,000
Total		2,938,045	8,598,088	5,422,045	2,655,450	6,076,723	1,309,649	0	0	0	0	27,000,000
<b>Revenues</b>												
160	Capital Expenditure Reserve	0	0	0	0	0	0	0	0	0	0	0
160CF	Committed Funding	0	375,000	0	0	0	0	0	0	0	0	375,000
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
169CF	Committed Funding	1,738,045	4,948,358	3,150,000	0	3,676,723	1,283,649	0	0	0	0	14,796,775
221	Service Sustainability Investm	0	0	0	0	0	0	0	0	0	0	0
221CF	Committed Funding	1,200,000	3,274,730	2,272,045	2,655,450	2,400,000	26,000	0	0	0	0	11,828,225
Total		2,938,045	8,598,088	5,422,045	2,655,450	6,076,723	1,309,649	0	0	0	0	27,000,000
<b>Related Projects</b>		<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>						
				<b>Revenue</b>								
		<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>							
		2022	2,000,000	2,000,000	0							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>			<b>Est. Completion Date</b>					
2021		Growth: 59.2 % Maintenance: 40.8 %		Sergio Colucci			2025`					



## Project Version Summary

<b>Project #</b>	REC-006-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Corporate Projects
<b>Title</b>	Mackenzie Hall Repair and Maintenance		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	Ward 2		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>
Mackenzie Hall is one of the City's premier heritage facilities that requires sustained capital funding to maintain the heritage features and character of the building envelope, components and systems as well as the surrounding site.

<b>Version Description</b>
Mackenzie Hall requires an annual allotment for various repairs, maintenance and restorations to address unexpected needs and to perform proper maintenance as needed: 2026 - \$50,000, 2027 - \$150,000 and 2030 - \$300,000.
Specific work identified at this time is as follows: 2026 - Sign Refurbishment (\$75,000) and Exterior Painting (\$75,000), and building maintenance and repairs based on identified needs (\$175,000) 2027 - 2031- Phase II Heritage Restoration (\$1,500,000)
Enterprise Risk(s): This funding will mitigate against the identified infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7073051	

<b>Project Detailed Forecast</b>		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5410	Construction Contracts - TCA	0	0	0	0	865,461	0	0	675,000	1,284,539	100,000	2,925,000
	Total	0	0	0	0	865,461	0	0	675,000	1,284,539	100,000	2,925,000
<b>Revenues</b>												
221	Service Sustainability Investm	0	0	0	0	865,461	0	0	675,000	1,284,539	100,000	2,925,000
	Total	0	0	0	0	865,461	0	0	675,000	1,284,539	100,000	2,925,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2007	24,000	24,000	0				
		2008	74,000	74,000	0				
		2009	123,000	123,000	0				
		2010	200,000	200,000	0				
		2011	237,000	237,000	0				
		2014	137,000	137,000	0				
		2015	77,500	77,500	0				
		2016	1,490,000	1,490,000	0				
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2007	January 1, 2015	Growth: 0.0 % Maintenance: 0.0 %	Derek Thachuk		Ongoing`				



# Project Version Summary

<b>Project #</b>	ECB-001-18	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	California/Pulford - Norfolk to Daytona		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 1		
<b>Version Name</b>	Main (Active)		

## Project Description

On Tues. Jan. 16th, 2018, City Council approved the 2018 Enhanced Capital Budget Plan for a number of specific projects in the form of placeholder allocations subject to detailed reports to be prepared for Council's consideration.

California Ave. and Pulford St. operate as contiguous roadways between Norfolk St. and Daytona Ave. This project involved full rehabilitation with the addition of curbs and gutters and sewers. A Local Improvement process was required for the curb and gutter and storm sewer on California Ave.

## Version Description

This project is complete pending funding allocation.

## Project Comments/Reference

7184006

## Version Comments

COMMITMENT:  
 CR614/2018 - S 108/2018 - 2023 F221 \$50,000  
 CR4/2019 - C 217/2018 - 2023 F221 \$1,150,000

## Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	1,200,000	0	0	0	0	0	0	0	0	0	1,200,000
Total	1,200,000	0	0	0	0	0	0	0	0	0	1,200,000
<b>Revenues</b>											
221CF Committed Funding	1,200,000	0	0	0	0	0	0	0	0	0	1,200,000
Total	1,200,000	0	0	0	0	0	0	0	0	0	1,200,000



Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2018	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %	Ian Wilson	2021



# Project Version Summary

<b>Project #</b>	ECB-017-18	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	Pillette Rd. - Seminole to VIA Tracks - Reconstruction		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 5, Ward 8		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 On Tues. Jan. 16th, 2018, City Council approved the 2018 Enhanced Capital Budget Plan for a number of specific projects in the form of placeholder allocations subject to detailed reports to be prepared for Council's consideration.

**Version Description**  
 This project is complete pending funding allocation.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7182003	COMMITMENT: CR507/2018 - S 138/2018: 2023 F221 \$950,000

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	950,000	0	0	0	0	0	0	0	0	0	950,000
Total	950,000	0	0	0	0	0	0	0	0	0	950,000
<b>Revenues</b>											
221CF Committed Funding	950,000	0	0	0	0	0	0	0	0	0	950,000
Total	950,000	0	0	0	0	0	0	0	0	0	950,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>	<b>Operating Budget Impact</b>										
	<table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">Total Expense</th> <th colspan="2">Revenue</th> </tr> <tr> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr> <td>2018</td> <td>50,000</td> <td>50,000</td> <td>0</td> </tr> </tbody> </table>	Year	Total Expense	Revenue		Net City Cost	Subsidies	2018	50,000	50,000	0	
Year	Total Expense			Revenue								
		Net City Cost	Subsidies									
2018	50,000	50,000	0									

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2018	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %	Fahd Mikhael	2020`
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# Project Version Summary

<b>Project #</b>	ECB-034-18	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	Byng Rd. - Lappan to Melinda - Reconstruction		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 9		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 On Tues. Jan. 16th, 2018, City Council approved the 2018 Enhanced Capital Budget Plan for a number of specific projects in the form of placeholder allocations subject to detailed reports to be prepared for Council's consideration.

**Version Description**  
 This project is complete pending funding allocation.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7182004	COMMITMENT: CR4/2019 - C 217/2018: 2023 F221 \$650,000

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	650,000	0	0	0	0	0	0	0	0	0	650,000
Total	650,000	0	0	0	0	0	0	0	0	0	650,000
<b>Revenues</b>											
221CF Committed Funding	650,000	0	0	0	0	0	0	0	0	0	650,000
Total	650,000	0	0	0	0	0	0	0	0	0	650,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>			
			<b>Revenue</b>					
	<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>				
	2018	128,000	128,000	0				
	2019	600,000	600,000	0				
2020	2,000	2,000	0					

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2018	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %	Adam Mourad	2022`
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## Project Version Summary

<b>Project #</b>	ECP-002-08	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	Provincial Rd./Division Rd. Corridor Infrastructure Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 9		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	
Improvements on the Provincial/Division corridor are required as a result of traffic growth and expanded commercial activity. The ESR for this project was completed in 2007. Limits on Provincial are from City Limits to the junction with Division Road and continuing along Division to Howard near Marentette. Limits on Division are from Cabana through to Marentette.	
<b>Version Description</b>	
2025-2026: Phase 3 – Design & Construction - Provincial from Cabana Road E. to Sixth Concession Drain near Legacy Park Drive Pre-commitment of funding allowed the construction of Phase 3 to start in 2022 and planned to be completed in 2023.	
2028-2032: Phase 4 – Design & Construction - Provincial Road from east of Lowes intersection to Walker Road	
The balance of the Provincial/Division Corridor (Phases 5 & 7) are estimated in the range of \$25 million. No funding has been identified within the 10 year plan.	
<b>Project Comments/Reference</b>	<b>Version Comments</b>
7086003	COMMITMENTS: CR69/2022 C 13/2022: 2025 F153 \$3,000,000 - F117 \$500,000 - F169 \$6,611,000 - F221 \$3,471,800 - 2026 F153 \$4,500,000 - F169 \$3,700,000 - F221 \$1,800,000.

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	0	0	13,582,800	10,000,000	0	392,000	2,442,159	681,872	1,500,000	3,257,169	31,856,000
Total		0	0	13,582,800	10,000,000	0	392,000	2,442,159	681,872	1,500,000	3,257,169	31,856,000
<b>Revenues</b>												
028	Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
028CF	Committed Funding	0	0	0	0	0	0	0	0	0	0	0
115	Dev Chg - Roads & Related	0	0	0	0	0	0	127,408	681,872	1,500,000	1,000,000	3,309,280
115CF	Committed Funding	0	0	4,033,120	2,200,000	0	0	0	0	0	0	6,233,120
117	Dev Chg - Storm & Drains	0	0	0	0	0	0	0	0	0	0	0
117CF	Committed Funding	0	0	500,000	0	0	0	0	0	0	0	500,000
153CF	Committed Funding	0	0	3,000,000	4,500,000	0	0	0	0	0	0	7,500,000
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	2,314,751	0	0	2,257,169	4,571,920
169CF	Committed Funding	0	0	2,577,880	1,500,000	0	0	0	0	0	0	4,077,880
221	Service Sustainability Investm	0	0	0	0	0	392,000	0	0	0	0	392,000
221CF	Committed Funding	0	0	3,471,800	1,800,000	0	0	0	0	0	0	5,271,800
Total		0	0	13,582,800	10,000,000	0	392,000	2,442,159	681,872	1,500,000	3,257,169	31,856,000

Related Projects		Historical Approved Budget				Operating Budget Impact				
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
					Total Expense	Net City Cost				
2008	January 1, 2009	Growth: 0.0 % Maintenance: 0.0 %	Paul Mourad/Jane He	2033 & Beyond`	120,000	120,000	0		0	0
					600,000	600,000	0			
					8,226,666	4,226,666	4,000,000			
					3,069,000	3,069,000	0			
					2,000,000	2,000,000	0			
					2,000,000	2,000,000	0			
					1,850,000	1,850,000	0			
					2,000,000	2,000,000	0			



## Project Version Summary

<b>Project #</b>	ECP-002-10	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	Banwell Rd. Infrastructure Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 7, Ward 9		
<b>Version Name</b>	Main (Active)		

### Project Description

The 2016 Banwell Road Environmental Study Report recommends improvements to Banwell Road from Tecumseh Rd E to the City Limits (Canadian Pacific Railway). Banwell Road Phase 1 from Tecumseh Rd E to Palmetto was constructed in 2020. Phase 2 and the roundabout at Banwell and Mulberry project is scheduled for construction in 2022. A new interchange at E.C. Row at Banwell Road would be scheduled after 2032.

### Version Description

2023-2026: Phase 2 - Construction – Banwell - Palmetto to Mulberry including roundabout. These funds have been pre-committed and construction is currently underway. This phase is expected to be complete Summer 2023.

2028-2032: Engineering/Land Acquisition/Utility Relocation – Banwell - EC ROW (south of proposed interchange) to City Limits (CPR Tracks)

The balance of the Banwell Road Corridor is estimated in the range of \$30 million. No funding has been identified for construction within the 10-year plan.

### Project Comments/Reference

7171077

### Version Comments

COMMITMENTS:  
 B28/2021 funding swap with CR385/2019 - C 132/2019: 2023 F115 \$70,000 - 2024 F115 \$2,100,000  
 CR69/2022 - C 13/2021: 2026 F115 \$2,399,000  
 CR232/2022 C 82/2022: 2025 F169 \$375K F221 \$125K and 2026 F169 \$70,640 F221 \$131,192  
 reallocated & committed from ECP-005-07.



Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	370,000	3,103,793	2,994,375	2,600,832	0	0	0	0	0	0	9,069,000
Total		370,000	3,103,793	2,994,375	2,600,832	0	0	0	0	0	0	9,069,000
<b>Revenues</b>												
115	Dev Chg - Roads & Related	0	0	0	0	0	0	0	0	0	0	0
115CF	Committed Funding	70,000	2,100,000	0	2,399,000	0	0	0	0	0	0	4,569,000
169	Pay As You Go - Capital Reserve	300,000	73,718	2,180,642	0	0	0	0	0	0	0	2,554,360
169CF	Committed Funding	0	0	375,000	70,640	0	0	0	0	0	0	445,640
221	Service Sustainability Investm	0	930,075	313,733	0	0	0	0	0	0	0	1,243,808
221CF	Committed Funding	0	0	125,000	131,192	0	0	0	0	0	0	256,192
Total		370,000	3,103,793	2,994,375	2,600,832	0	0	0	0	0	0	9,069,000
<b>Related Projects</b>		<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>						
<b>Precedes</b>						<b>Effective Date</b>		Unknown		<b>Exp/(Rev) FTE Impact</b>		
ECP-009-07						<b>Description</b>				0 0		
<b>Project Title</b>												
Intersection Improvements Program												
		<b>Year</b>		<b>Total Expense</b>		<b>Revenue</b>						
						<b>Net City Cost</b>		<b>Subsidies</b>				
		2020		3,050,000		3,050,000		0				
		2021		200,000		200,000		0				
		2022		500,000		500,000		0				
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>			<b>Project Lead</b>			<b>Est. Completion Date</b>				
2010	January 1, 2020	Growth: 92.4 % Maintenance: 7.6 %			Paul Mourad			2033 & Beyond				



# Project Version Summary

<b>Project #</b>	ECP-003-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	Grand Marais Rd. Infrastructure Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 10		
<b>Version Name</b>	Main (Active)		

**Project Description**

Due to development in the area and current road conditions, road improvements are required from Walker to Howard as described in the ESR that was completed in 2000. Intersection improvements at South Pacific and Parent and reconstruction of Parkdale Avenue between Turner and Walker Road are complete.

Further improvements are planned on Grand Marais Road East and Turner Road as funding becomes available.

**Version Description**

2030-2032: Grand Marais - Parent to Walker – Design & Construction

The balance of the Grand Marais – Parent to Walker Construction are estimated in the range of \$6 million in addition, there are no funds identified within the 10 year plan.

Project Comments/Reference	Version Comments
7031012 Closed/7141017	

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5410	Construction Contracts - TCA	0	0	0	0	0	0	0	2,000,000	2,000,000	1,000,000	5,000,000
	Total	0	0	0	0	0	0	0	2,000,000	2,000,000	1,000,000	5,000,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	381,192	2,000,000	1,000,000	3,381,192
176	Canada Community-Building Fund	0	0	0	0	0	0	0	1,618,808	0	0	1,618,808
	Total	0	0	0	0	0	0	0	2,000,000	2,000,000	1,000,000	5,000,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2014	375,000	375,000	0				
		2017	60,000	60,000	0				
		2018	340,000	340,000	0				
					Depending on the final design, there may be additional road maintenance costs.				
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2007	January 1, 2015	Growth: 0.0 % Maintenance: 0.0 %	Adam Mourad		2033 & Beyond				



## Project Version Summary

<b>Project #</b>	ECP-003-08	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	Howard Avenue Corridor Infrastructure Improvements- S Cameron Boulevard to Herb Gray Parkway		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 1, Ward 9		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	
<p>This project relates to improvements on Howard Avenue from South Cameron Boulevard south to the Herb Gray Parkway. Two environmental assessments were completed for this section of Howard Avenue,</p> <ol style="list-style-type: none"> <li>1) The Howard Avenue ESR – 2003, and more recently</li> <li>2) The Central Box Study Area - 2017.</li> </ol> <p>Improvements to this section of Howard Avenue are required in order to improve existing conditions as well as support growth in the area.</p>	
<b>Version Description</b>	
<p>2023-2027: Phase 1 - Engineering &amp; Construction for the South Cameron / Howard intersection redesign Pre-commitment of funding is planned to facilitate construction start in 2023. This phase is expected to be complete in 2024.</p> <p>2029- 2032: Phase 2 – Engineering/Land Acquisition/Utility Relocation – Howard - Kenilworth to Cabana</p> <p>The balance of the Howard Ave Corridor is estimated in the range of \$53 million. Limited funding has been identified for construction within the 10-year plan.</p>	
<b>Project Comments/Reference</b>	<b>Version Comments</b>
7096001	<p>COMMITMENT: CR269/2020 - IN-CAMERA: 2023 F169 \$100,000 - 2024 F176 \$2,334,000- 2024 F169 \$500,000</p>

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
2915	Consulting Services - External	0	0	0	0	0	0	0	0	0	0	0
5410	Construction Contracts - TCA	100,000	4,834,000	0	2,798,000	9,368,000	0	100,000	1,350,000	0	2,140,000	20,690,000
Total		100,000	4,834,000	0	2,798,000	9,368,000	0	100,000	1,350,000	0	2,140,000	20,690,000
<b>Revenues</b>												
115	Dev Chg - Roads & Related	0	2,000,000	0	1,399,000	3,814,000	0	100,000	1,350,000	0	2,140,000	10,803,000
115CF	Committed Funding	50,000	417,000	0	0	0	0	0	0	0	0	467,000
169	Pay As You Go - Capital Reserve	0	0	0	693,400	2,323,860	0	0	0	0	0	3,017,260
169CF	Committed Funding	50,000	83,000	0	0	0	0	0	0	0	0	133,000
176	Canada Community-Building Fund	0	0	0	0	1,230,140	0	0	0	0	0	1,230,140
176CF	Committed Funding	0	0	0	0	0	0	0	0	0	0	0
221	Service Sustainability Investm	0	0	0	705,600	2,000,000	0	0	0	0	0	2,705,600
221CF	Committed Funding	0	2,334,000	0	0	0	0	0	0	0	0	2,334,000
Total		100,000	4,834,000	0	2,798,000	9,368,000	0	100,000	1,350,000	0	2,140,000	20,690,000
<b>Related Projects</b>		<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>						
				<b>Revenue</b>		<b>Effective Date</b> Unknown		<b>Exp/(Rev)</b>		<b>FTE Impact</b>		
		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Description</b>		0		0		
		2009	150,000	150,000	0	Depending on the final design, there may be additional sewer and road maintenance costs.						
		2020	350,000	350,000	0							
		2022	50,000	50,000	0							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>		<b>Est. Completion Date</b>						
2008	January 1, 2010	Growth: 100.0 % Maintenance: 0.0 %		Pat Winters		2033 & Beyond'						



## Project Version Summary

<b>Project #</b>	ECP-003-09	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	Cabana Road Infrastructure Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 1, Ward 9		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	
<p>Improvements on Cabana Road are required as a result of traffic growth, development of surrounding neighbourhoods and intensification. The Environmental Study Report was approved in 2008.</p> <p>As a result of the expected impacts stemming from the proposed location of the new acute care hospital, Council authorized Administration to proceed with design and contract administration of the Cabana Road Environmental Assessment implementation as per CR234/2015.</p>	
<b>Version Description</b>	
<p>2023: Phase 4 - Utility relocation and construction of Dominion to Highway 3          Project is underway with road construction scheduled to start early 2023 and expected completion by end of 2023.          Phase 5 - Engineering, Land Acquisition and Utility relocation – Provincial to Walker</p> <p>2024-2032: Phase 5 - Construction – Provincial to Walker</p>	
<b>Project Comments/Reference</b>	<b>Version Comments</b>
(7092005 Closed)/7152001	<p>COMMITMENT:          CR234/2015 - R18030: 2023 F153 \$677,190 - 2023 F169 \$307,278 - 2023 F221 \$307,278 - 2024 F153 \$590,610 - 2024 F169 \$1,587,685 - 2024 F221 \$1,587,685 - 2025 F153 \$674,308 - 2025 F169 \$1,587,676 - 2025 F221 \$1,587,675          CR319/2019 - C 115/2019: 2022 F169 \$750,000 - 2022 F221 \$750,000</p> <p>Note:          CR248/2019 C 79/2019: ICIP Public Transit Grant (ICIP-WIN-008) This grant will require \$12,208,058 of prior years approved funding.</p>

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	1,291,746	3,765,980	3,849,659	0	0	450,000	450,000	1,800,000	0	2,605,000	14,212,385
Total		1,291,746	3,765,980	3,849,659	0	0	450,000	450,000	1,800,000	0	2,605,000	14,212,385
<b>Revenues</b>												
028	Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
028CF	Committed Funding	0	0	0	0	0	0	0	0	0	0	0
153	Sewer Surcharge	0	0	0	0	0	0	0	0	0	1,310,000	1,310,000
153CF	Committed Funding	677,190	590,610	674,308	0	0	0	0	0	0	0	1,942,108
169	Pay As You Go - Capital Reserve	0	0	0	0	0	450,000	450,000	450,000	0	840,000	2,190,000
169CF	Committed Funding	307,278	1,587,685	1,587,676	0	0	0	0	0	0	0	3,482,639
221	Service Sustainability Investm	0	0	0	0	0	0	0	1,350,000	0	455,000	1,805,000
221CF	Committed Funding	307,278	1,587,685	1,587,675	0	0	0	0	0	0	0	3,482,638
Total		1,291,746	3,765,980	3,849,659	0	0	450,000	450,000	1,800,000	0	2,605,000	14,212,385
<b>Related Projects</b>		<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>						
<b>Follows</b>				<b>Revenue</b>				<b>Effective Date</b>	Unknown	<b>Exp/(Rev)</b>		<b>FTE Impact</b>
ECP-027-07		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Description</b>				0	0	
ENG-002-18		2009	200,000	200,000	0	Upon completion of this project, road maintenance costs due to patching and maintaining gravel shoulders will decrease. These savings, however, will be offset by other road maintenance and snow removal costs resulting from the increased surface area of the road. Operating cost figures cannot be determined at this time as the project is still in its' preliminary stages, however, it is assumed that costs will be lower immediately following completion of the project and will escalate as the road ages.						
		2015	125,000	125,000	0							
		2016	3,612,000	3,612,000	0							
<b>Project Title</b>		2017	6,468,000	6,468,000	0							
Lennon Drain Improvements		2018	4,060,000	3,735,000	325,000							
		2019	3,830,325	3,830,325	0							
		2020	6,319,674	6,319,674	0							
		2021	7,779,841	6,056,742	1,723,099							
		2022	6,045,060	6,045,060	0							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>		<b>Est. Completion Date</b>						
2009	January 1, 2016	Growth: 50.0 % Maintenance: 50.0 %		Jane He		2030`						



# Project Version Summary

<b>Project #</b>	ECP-004-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	Walker Rd. Infrastructure Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 5, Ward 9, Ward 10		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>
<p>The environmental assessment for Walker Rd. from Riverside Drive East to Highway 401 was completed in 2001. The majority of the proposed works from the EA have been implemented including widening of selected portions of Walker Road.</p> <p>Sections of Walker Road that remain to be constructed include:</p> <ul style="list-style-type: none"> <li>- Foster Avenue to Airport Road;</li> <li>- Temple Drive from Walker Road to Central Avenue, including railway crossing;</li> <li>- Storm Sewer for servicing of Temple Drive, westerly to Byng Avenue.</li> </ul>

<b>Version Description</b>
<p>2028-2032: Engineering &amp; Construction – Walker Road - Foster to Calderwood Avenue</p> <p>The balance of work required for the rest of Walker Road – Calderwood Avenue to Airport Road AND Temple Drive Extension– Cul-de-sac to Walker Road is estimated in the range of \$20 million</p>

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7092016 ISF, 7104001	

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	0	0	0	847,988	200,051	0	800,000	6,351,961	8,200,000
Total	0	0	0	0	0	847,988	200,051	0	800,000	6,351,961	8,200,000
<b>Revenues</b>											
028 Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
153 Sewer Surcharge	0	0	0	0	0	0	0	0	300,000	300,000	600,000
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	200,051	0	500,000	2,199,949	2,900,000
176 Canada Community-Building Fund	0	0	0	0	0	0	0	0	0	0	0
221 Service Sustainability Investm	0	0	0	0	0	847,988	0	0	0	3,852,012	4,700,000
Total	0	0	0	0	0	847,988	200,051	0	800,000	6,351,961	8,200,000



Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2007	2,545,000	2,545,000	0				
		2009	2,700,000	900,000	1,800,000				
		2010	9,166,666	2,355,555	6,811,111				
		2011	1,000,000	0	1,000,000				
		2012	8,000,000	0	8,000,000				
		2013	6,000,000	0	6,000,000				
		2015	450,000	450,000	0				
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2007	January 1, 2007	Growth: 0.0 % Maintenance: 0.0 %		Adam Mourad	2033 & Beyond`				



# Project Version Summary

<b>Project #</b>	ECP-005-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	Tecumseh Rd. E. Infrastructure Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 7, Ward 8		
<b>Version Name</b>	Main (Active)		

**Project Description**

The ESR for this project was completed in 1996. Improvements on Tecumseh Rd. E. are required as a result of traffic growth and expanded commercial activity. Project involves widening Tecumseh Rd. E. between Jefferson and Banwell. Planned improvements include building three through lanes in both directions, creating left turn storage lanes at all intersections, building raised medians, 1.5 km of sidewalk on both sides of the road, undertake the replacement of watermains and other utilities and extend the sanitary sewer. As of 2016, Jefferson to Lauzon Rd. has been completed. Next phase is Tecumseh and Forest Glade Intersection.

**Version Description**

2026-2030: Phase 1 - Design & Construction - Tecumseh Rd. E. and Forest Glade Intersection

2032: Phase 2 - Design – Tecumseh Rd. E. Little River to Forest Glade

The balance of the remainder Tecumseh Rd EA– Lauzon to Banwell and Little River Bridge is estimated in the range of \$68 million

Project Comments/Reference	Version Comments
7092017 ISF 7191037	

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5410	Construction Contracts - TCA	0	0	0	873,168	1,125,000	0	1,000,000	2,701,832	0	400,000	6,100,000
	Total	0	0	0	873,168	1,125,000	0	1,000,000	2,701,832	0	400,000	6,100,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	0	0	304,360	375,000	0	100,000	645,640	0	0	1,425,000
176	Canada Community-Building Fund	0	0	0	0	0	0	0	0	0	0	0
221	Service Sustainability Investm	0	0	0	568,808	750,000	0	900,000	2,056,192	0	400,000	4,675,000
	Total	0	0	0	873,168	1,125,000	0	1,000,000	2,701,832	0	400,000	6,100,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2009	5,400,000	1,800,000	3,600,000				
		2010	3,000,000	1,000,000	2,000,000				
		2020	450,000	450,000	0				
		2021	50,000	50,000	0				
		2022	500,000	500,000	0				
Year Identified	Start Date	Project Type for 2023		Project Lead		Est. Completion Date			
2007	January 1, 2009	Growth: 0.0 % Maintenance: 0.0 %		Ian Wilson		2033 & Beyond			



# Project Version Summary

<b>Project #</b>	ECP-008-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	Pedestrian Safety Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>
Funding to be used based on priority analysis for various locations. - School approach sidewalks - Transit route sidewalks

<b>Version Description</b>
Funding is allocated to projects based on warrant and priority analysis

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7045034	CR343/2007

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	100,000	0	100,000	0	100,000	0	100,000	100,000	0	500,000
Total	0	100,000	0	100,000	0	100,000	0	100,000	100,000	0	500,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	100,000	0	100,000	0	100,000	0	100,000	100,000	0	500,000
Total	0	100,000	0	100,000	0	100,000	0	100,000	100,000	0	500,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2007	75,000	75,000	0				
		2008	175,000	175,000	0				
		2009	175,000	175,000	0				
		2010	175,000	175,000	0				
		2011	175,000	175,000	0				
		2012	100,000	100,000	0				
		2022	100,000	100,000	0				
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>		<b>Est. Completion Date</b>			
2007	January 1, 2008	Growth: 0.0 % Maintenance: 0.0 %		Paul Mourad		Ongoing`			



# Project Version Summary

<b>Project #</b>	ECP-009-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	Intersection Improvements Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 Improvements are completed to address safety concerns at identified intersections selected and based on the most current road safety report.

**Version Description**  
 Various locations as identified in the Road Safety Report. Consultant may be retained to undertake safety audits on each identified location where not previously investigated.  
 Funding required to continue implementing recommended improvements.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
(7062007 closed) 7151012, 7035046	

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	500,000	500,000	0	0	250,000	750,000	500,000	400,000	400,000	3,300,000
Total	0	500,000	500,000	0	0	250,000	750,000	500,000	400,000	400,000	3,300,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	500,000	500,000	0	0	250,000	750,000	500,000	400,000	400,000	3,300,000
Total	0	500,000	500,000	0	0	250,000	750,000	500,000	400,000	400,000	3,300,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>		
	Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev) FTE Impact
<b>Follows</b>			<u>Net City Cost</u>	<u>Subsidies</u>	<b>Description</b>		0 0
ECP-002-10	2015	15,000	15,000	0	Depending on the final design, there may be increased road maintenance costs.		
EDG-001-11	2019	470,000	470,000	0			
	2020	400,000	400,000	0			
<b>Project Title</b>	2021	500,000	500,000	0			
Banwell Rd. Infrastructure Improvements	2022	500,000	500,000	0			

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2007	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %	Paul Mourad	2033 & Beyond`



# Project Version Summary

<b>Project #</b>	ECP-010-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	East Riverside Planning District Infrastructure Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 7		
<b>Version Name</b>	Main (Active)		

**Project Description**

A section of Wyandotte Street East within the alignment laid out by the former Town of Riverside and associated drainage facilities has yet to be completed. This is subject to an environmental assessment prior to these works being constructed. This EA is underway.

In addition, Jarvis Avenue would be affected through the construction of an outlet sewer to Castle Hill Avenue. A portion of these works (road improvements) would be subject to the Local Improvement Policy.

**Version Description**

2024 & 2029: Engineering & Construction - Wyandotte Street Extension and Trunk Sewer on Jarvis Avenue to Beverly Glen Street. This work cannot proceed until the completion and approval of the Environmental Assessment and additional estimated funding of \$0.6 million is needed. No funding has been identified within the 10-year capital budget

The Jarvis Avenue Reconstruction is estimated in the range of \$4.5 million however, there is no funding identified within the 10-year capital budget.

Project Comments/Reference	Version Comments
7193000	
Closed: 7033118	

Project Detailed Forecast											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
2950 Other Prof Services-External	0	400,000	0	0	0	0	2,000,000	0	0	0	2,400,000
Total	0	400,000	0	0	0	0	2,000,000	0	0	0	2,400,000
<b>Revenues</b>											
028 Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
115 Dev Chg - Roads & Related	0	400,000	0	0	0	0	0	0	0	0	400,000
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	2,000,000	0	0	0	2,000,000
Total	0	400,000	0	0	0	0	2,000,000	0	0	0	2,400,000



Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2007	8,000,000	8,000,000	0				
		2008	3,150,000	3,150,000	0				
		2009	4,816,667	4,816,667	0				
		2010	2,250,000	2,250,000	0				
		2015	1,000,000	1,000,000	0				
		2019	250,000	250,000	0				
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2007	January 1, 2007	Growth: 0.0 % Maintenance: 0.0 %		Adam Mourad	2033 & Beyond`				



# Project Version Summary

<b>Project #</b>	ECP-013-09	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	La Bella Strada - Erie St. Business Improvement Area Streetscaping (SMP)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 3		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>
CR339/2010 approved the Erie Street BIA Streetscaping - La Bella Strada project. Phase 1A - Howard to Pierre - complete Phase 1B - Erie from McDougall to Howard and Pierre to Lincoln
Erie St E between McDougall Ave & Howard Ave, upgrades to the storm sewer system will be included as outlined in the City Sewer Master Plan.

<b>Version Description</b>
This project will support pedestrian area design elements within the boundaries of the Erie Street Business Improvement Area.
2023: Phase 1B Engineering – Erie – McDougall to Howard AND Pierre to Lincoln.
The balance of funding required for the construct phase is estimated at \$4.1 million. No funds have been identified within the 10-year plan.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7109001 Closed 7183018	COMMITMENT: CR4/2019 - C 217/2018: 2023 F169 \$300,000

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
2915 Consulting Services - External	300,000	0	0	0	0	0	0	0	0	0	300,000
Total	300,000	0	0	0	0	0	0	0	0	0	300,000
<b>Revenues</b>											
169CF Committed Funding	300,000	0	0	0	0	0	0	0	0	0	300,000
176 Canada Community-Building Fund	0	0	0	0	0	0	0	0	0	0	0
6735 Recovery Of Expenses EXTERNAL	0	0	0	0	0	0	0	0	0	0	0
Total	300,000	0	0	0	0	0	0	0	0	0	300,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies	Description		0	0
		2011	692,634	692,634	0	No Operating Budget Impact			
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2009	January 1, 2024	Growth: 100.0 % Maintenance: 0.0 %		Adam Mourad	2033 & Beyond				



# Project Version Summary

<b>Project #</b>	ECP-014-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	University Avenue/Victoria Avenue		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 2, Ward 3		
<b>Version Name</b>	Main (Active)		

**Project Description**

The University Avenue & Victoria Avenue Environmental Assessment is scheduled to be completed in 2022. This project is the implementation of the recommended alternatives which include the full reconstruction of University Ave (McDougall to Huron Church) and Victoria Ave (Chatham St W to Park St W).  
 Construction phasing to be determined based on recommendations from EA and / or available funding.

**Version Description**

2023-2032: Phase 1 - University Ave - Salter Avenue to West of Elm Street East (estimate = \$6.5 million)  
 The balance of the University Corridor is estimated at \$40 million. No funding has been identified within the 10-year plan.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7052085 closed/7092020 ISF closed/7143003 closed/7229001/7221052	

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
2915 Consulting Services - External	0	400,000	0	0	0	0	0	0	0	0	400,000
5410 Construction Contracts - TCA	1,100,000	0	0	0	0	5,000,000	0	0	0	0	6,100,000
<b>Total</b>	<b>1,100,000</b>	<b>400,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,500,000</b>
<b>Revenues</b>											
028 Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
153 Sewer Surcharge	0	0	0	0	0	500,000	0	0	0	0	500,000
169 Pay As You Go - Capital Reserve	0	0	0	0	0	1,500,000	0	0	0	0	1,500,000
176 Canada Community-Building Fund	0	0	0	0	0	1,000,000	0	0	0	0	1,000,000
221 Service Sustainability Investm	1,100,000	400,000	0	0	0	2,000,000	0	0	0	0	3,500,000
221CF Committed Funding	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1,100,000</b>	<b>400,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,500,000</b>

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2007	150,000	150,000	0				
		2008	1,074,846	790,000	284,846				
		2009	4,032,987	2,039,750	1,993,237				
		2010	5,794,500	1,419,750	4,374,750				
		2018	897,640	0	897,640				
		2019	350,000	350,000	0				
		2020	350,000	350,000	0				
		2022	4,025,000	4,025,000	0				
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>		<b>Est. Completion Date</b>			
2007	January 1, 2007	Growth: 0.0 % Maintenance: 100.0 %		Sarah Meneses		2033 & Beyond'			



## Project Version Summary

<b>Project #</b>	ECP-016-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	The Riverside Drive Vista Improvement		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 2, Ward 3, Ward 4, Ward 5, Ward 6, Ward 7		
<b>Version Name</b>	Main (Active)		

### Project Description

The Environmental Study Report was completed in 2007. It contains recommendations on construction phasing for improvements to Riverside Dr. The limits of the study are from Rosedale to the east City limits.  
 Phase 1 from Lauzon to Riverdale is completed.  
 Phase 2A from Ford to St. Rose includes DMAF funding.  
 Phase 3A from Ford to Strabane

### Version Description

2024-2025: Construction Phase 2A - Ford to St. Rose  
 Pre-commitment of funding is planned to facilitate advance utility relocations in 2023. This project is complex with various stages of construction and coordination of other major infrastructure projects. The works will span over multiple years with completion expected in 2026.

2025: Engineering and Construction, Riverside / Drouillard Intersection

2026-2032: Engineering & Construction Phase 3A - Ford to Strabane

The balance of the Riverside Vista corridor is estimated at \$63 million. There is no funding identified for this within the 10-year plan.

### Project Comments/Reference

7086001

### Version Comments

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
2915	Consulting Services - External	0	0	2,400,000	0	0	0	0	0	0	0	2,400,000
5410	Construction Contracts - TCA	0	2,215,000	0	1,875,000	4,000,000	2,000,000	2,000,000	2,625,000	6,000,000	2,000,000	22,715,000
Total		0	2,215,000	2,400,000	1,875,000	4,000,000	2,000,000	2,000,000	2,625,000	6,000,000	2,000,000	25,115,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	553,750	600,000	0	0	0	500,000	0	620,699	825,000	3,099,449
176	Canada Community-Building Fund	0	0	0	0	0	500,000	0	1,125,000	3,879,301	0	5,504,301
221	Service Sustainability Investm	0	1,661,250	1,800,000	1,875,000	4,000,000	1,500,000	1,500,000	1,500,000	1,500,000	1,175,000	16,511,250
Total		0	2,215,000	2,400,000	1,875,000	4,000,000	2,000,000	2,000,000	2,625,000	6,000,000	2,000,000	25,115,000
<b>Related Projects</b>		<b>Historical Approved Budget</b>					<b>Operating Budget Impact</b>					
				<b>Revenue</b>			<b>Effective Date</b>		<b>Unknown</b>	<b>Exp/(Rev)</b>		<b>FTE Impact</b>
		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>		<b>Description</b>			0		0
		2008	150,000	150,000	0		Depending on the final design, there may be additional road and sewer maintenance costs.					
		2009	1,000,000	1,000,000	0							
		2011	500,000	500,000	0							
		2016	3,250,000	3,250,000	0							
		2017	680,000	680,000	0							
		2018	280,000	280,000	0							
		2020	664,000	664,000	0							
		2021	250,000	250,000	0							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>			<b>Project Lead</b>		<b>Est. Completion Date</b>					
2007	January 1, 2009	Growth: 0.0 % Maintenance: 0.0 %			Adam Mourad		2033 & Beyond'					



## Project Version Summary

<b>Project #</b>	ECP-022-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	Prince Rd./Totten St. Storm Sewer Improvements – (SMP)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	Ward 10		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	<p>This project will relieve basement, street and property flooding in the Prince Road storm relief drainage area. This project was reviewed in concert with the Sewer Master Plan Implementation prioritization. Recommendations include completing the Prince Road Trunk Sewer Outlet to McKee Creek.</p> <p>Next priority will include a proposed roundabout at intersection of Tecumseh/Felix with future phases to include sewer separation on Tecumseh, Dorchester, Felix &amp; Marlborough.</p>		
<b>Version Description</b>	<p>Balance of storm relief sewers within the Prince Road drainage area are:</p> <p>2024-2025: Trunk Storm Sewer Outlet - The EA is in the final stages with design to follow. Construction planned for 2024</p> <p>2028-2029: Tecumseh/Dorchester</p> <p>2031-2032: Felix/Marlborough Separation \$1,500,000</p> <p>The balance of the works are on; Felix per Sewer Master Plan is estimated in the range of- \$26 million, and Totten Street from Betts to Mark estimated at- \$4.4 million. There are no funds identified for this within the 10-year plan.</p>		
<b>Project Comments/Reference</b>	<b>Version Comments</b>		
7086002/ 7186002			



Project Detailed Forecast													
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total	
<b>Expenses</b>													
5410	Construction Contracts - TCA	0	1,898,750	1,721,250	0	0	1,000,000	2,600,000	0	750,000	700,000	8,670,000	
Total		0	1,898,750	1,721,250	0	0	1,000,000	2,600,000	0	750,000	700,000	8,670,000	
<b>Revenues</b>													
028	Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0	
117	Dev Chg - Storm & Drains	0	1,384,000	0	0	0	0	0	0	0	0	1,384,000	
153	Sewer Surcharge	0	453,500	1,687,500	0	0	1,000,000	1,950,000	0	562,500	700,000	6,353,500	
169	Pay As You Go - Capital Reserve	0	61,250	33,750	0	0	0	650,000	0	187,500	0	932,500	
221	Service Sustainability Investm	0	0	0	0	0	0	0	0	0	0	0	
Total		0	1,898,750	1,721,250	0	0	1,000,000	2,600,000	0	750,000	700,000	8,670,000	
<b>Related Projects</b>		<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
				<b>Revenue</b>				<b>Effective Date</b>		<b>Unknown</b>		<b>Exp/(Rev) FTE Impact</b>	
		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Description</b>						0	0
		2007	670,000	670,000	0	Depending on the final design, there may be decreased road and sewer maintenance costs.							
		2008	325,000	325,000	0								
		2009	2,000,000	2,000,000	0								
		2010	4,620,000	4,620,000	0								
		2018	125,000	125,000	0								
		2020	80,000	80,000	0								
		2022	1,180,000	1,180,000	0								
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>		<b>Est. Completion Date</b>							
2007	January 1, 2008	Growth: 0.0 % Maintenance: 0.0 %		Ian Wilson		2033 & Beyond'							



# Project Version Summary

<b>Project #</b>	ECP-023-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	Parent Ave./McDougall Ave. Storm Sewer (SMP)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 3, Ward 4		
<b>Version Name</b>	Main (Active)		

**Project Description**

To relieve basement, street and property flooding in the Parent/McDougall storm relief area per Dillon's 1974 report. Construction of sewers will increase capacity to handle major storms. Limits of Report Area is CPR, McDougall, Lincoln and Detroit River.

This project will be reviewed in concert with the Sewer Master Plan Implementation prioritization.

**Version Description**

2024-2026: Giles Storm Sewer - Langlois to Gladstone Engineering & Construction  
 These funds have been pre-committed in order to facility construction in 2022. Work remains under maintenance.

2026-2032: McDougall Storm Relief Sewer - Phase 1 (Erie Street East to Giles Boulevard East)

The next priority for this area is the McDougall Storm Relief Sewer – Phase 2 (Giles Boulevard East to Ellis Street) and (Ellis Street to Tecumseh Road) which are estimated at \$17 million. There are no funding identified within the 10-year plan.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7182005	COMMITMENTS: CR69/2022 C 13/2022: 2024 F153 \$139,000 - 2025 F153 \$500,000 - 2026 F153 \$561,000

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	139,000	500,000	2,046,000	95,000	0	0	0	4,000,000	500,000	7,280,000
Total	0	139,000	500,000	2,046,000	95,000	0	0	0	4,000,000	500,000	7,280,000
<b>Revenues</b>											
028 Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
028CF Committed Funding	0	0	0	0	0	0	0	0	0	0	0
153 Sewer Surcharge	0	0	0	0	0	0	0	0	4,000,000	500,000	4,500,000
153CF Committed Funding	0	139,000	500,000	561,000	0	0	0	0	0	0	1,200,000
221 Service Sustainability Investm	0	0	0	1,485,000	95,000	0	0	0	0	0	1,580,000
Total	0	139,000	500,000	2,046,000	95,000	0	0	0	4,000,000	500,000	7,280,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2018	250,000	250,000	0				
		2022	2,950,000	2,950,000	0				
					Depending on the final design, there may be decreased road and sewer maintenance costs.				
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2007	January 1, 2018	Growth: 0.0 % Maintenance: 0.0 %	Aojeen Issac		2033 & Beyond				



## Project Version Summary

<b>Project #</b>	ECP-035-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	City Wide Sewer Rehabilitation Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

The existing system is deteriorating and is causing major maintenance problems. This funding allows for the replacement of collapsed or deteriorated sewers. Projects are identified based on television inspection and emergency call activity.

### Version Description

Please see attachment for further details.

As part of projects list reprioritizing, Ypres – Marentette to Forest project, planned for 2022 construction in the approved 2021 budget, was deferred due to good condition of the road surface and will be reconsidered in future years.

### Project Comments/Reference

See Document Attached.

OPEN:

7092009, 7144004, 7164007, 7171003-7171005, 7171009, 7181007, 7181008, 7181009, 7191024-7191026, 7201026-7201028, 7213002, 7221031, 7221032, 7221033, 7231008

CLOSED:

7082006-7082026, 7092008, 7092010-7092012, 7103002-7103007, 7111014-7111018, 7132000, 7134000-7134002, 7134004-7134005, 7144000-7144006, 7153001-7153005, 7164001, 7164003-7164005, 7164008, 7161062-7161063, 7171004-7171008, 7181001-7181004, 7181006, 7201025

### Version Comments

COMMITMENT:

CR252/2022 C 97/2022: 2026 F153 \$780,000  
 CR331/2022 C 119/2022: 2023 F153 \$8,401,000  
 CR510/2022 C 197/2022: 2025 F153 \$2,335,000  
 CR19/2023 C 226/2022: 2026 F153 \$450,000

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5210 Land Acquisition	0	0	0	0	0	0	0	0	0	0	0
5410 Construction Contracts - TCA	10,343,000	6,037,000	8,555,000	9,366,624	5,463,550	9,700,000	9,300,000	9,000,000	9,000,000	9,044,705	85,809,879
<b>Total</b>	<b>10,343,000</b>	<b>6,037,000</b>	<b>8,555,000</b>	<b>9,366,624</b>	<b>5,463,550</b>	<b>9,700,000</b>	<b>9,300,000</b>	<b>9,000,000</b>	<b>9,000,000</b>	<b>9,044,705</b>	<b>85,809,879</b>
<b>Revenues</b>											
028 Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
028CF Committed Funding	0	0	0	0	0	0	0	0	0	0	0
153 Sewer Surcharge	1,942,000	6,037,000	6,220,000	7,636,624	5,463,550	8,500,000	8,500,000	8,500,000	8,500,000	9,044,705	70,343,879
153CF Committed Funding	8,401,000	0	2,335,000	1,230,000	0	0	0	0	0	0	11,966,000
221 Service Sustainability Investm	0	0	0	500,000	0	1,200,000	800,000	500,000	500,000	0	3,500,000
<b>Total</b>	<b>10,343,000</b>	<b>6,037,000</b>	<b>8,555,000</b>	<b>9,366,624</b>	<b>5,463,550</b>	<b>9,700,000</b>	<b>9,300,000</b>	<b>9,000,000</b>	<b>9,000,000</b>	<b>9,044,705</b>	<b>85,809,879</b>

<b>Related Projects</b>		<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>			
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>	<b>Effective Date</b>	<b>Unknown</b>	<b>Exp/(Rev)</b>	<b>FTE Impact</b>	<b>Description</b>
		<b>Year</b>	<b>Total Expense</b>	<b>Revenue</b>	<b>Net City Cost</b>	<b>Subsidies</b>			
		2007	8,078,000	8,078,000	0	0			0
		2008	9,069,000	9,069,000	0	0			0
		2009	10,797,000	10,797,000	0	0			0
		2010	11,611,000	11,611,000	0	0			0
		2011	8,700,000	8,700,000	0	0			0
		2012	7,250,000	7,250,000	0	0			0
		2013	10,425,000	9,350,000	1,075,000	0			0
		2014	15,055,000	15,055,000	0	0			0
		2015	10,700,000	10,700,000	0	0			0
		2016	12,500,000	12,500,000	0	0			0
		2017	18,116,000	14,160,000	3,956,000	0			0
		2018	14,116,673	14,116,673	0	0			0
		2019	12,280,000	12,280,000	0	0			0
		2020	8,208,750	8,208,750	0	0			0
		2021	9,348,500	9,348,500	0	0			0
		2022	10,245,000	10,245,000	0	0			0
2007	January 1, 2007	Growth: 0.0 % Maintenance: 100.0 %	Fahd Mikhael	Ongoing					Depending on the final design, there may be decreased sewer maintenance costs.

**Project Attachments  
For: 2023**

*Project # ECP-035-07*

*Project Name: City Wide Sewer Rehabilitation Program*

Project#	STREET	FROM	TO	Sewer Type	Ward	Allocation of 2023 Costs			
						2023	Construction	Engineering	Land Acquisition
<b>Construction</b>									
	Aubin Rd	Alice St	Guy St	Over / Under	5	\$3,080	\$ 2,429	\$ 231	-
	Albert Rd	Seminole St	Metcalf St	Separated	5	\$1,920	\$ 1,512	\$ 148	
	Laing / McEwan Ph 2	Campbell / Laing	Curry / Grove	Combined	2	\$1,150	\$ 665	\$ 65	-
	Elsmere Ave	Elliott St	Giles Blvd E	Combined	4	\$3,800	\$ 3,053	\$ 298	-
<b>Engineering ONLY - For 2025 Projects</b>						\$ 393		\$ 393	
<b>Grand Total</b>						<b>\$ 10,343</b>	<b>\$ 7,659</b>	<b>\$ 1,135</b>	<b>\$ -</b>

Revised July 14, 2022

**Project Attachments**  
For: 2023

**Project # ECP-035-07**

**Recommended Sewer Rehabilitation Program (2024 - 2032) \***

STREET	FROM	TO	Sewer Type	Ward	2024	2025	2026	2027	2028	2029	2030	2031	2032	
<b>Construction</b>														
Barrymore Ln	Prince Rd	Brock St	Over / Under	2	\$4,400									
St. Luke Rd Ph 1	Alice St	Tecumseh Rd	Over / Under	5	\$1,307									
<b>Engineering ONLY - For 2026 Projects</b>						\$330								
<b>Construction</b>														
St. Luke Rd Ph 2	Alice St	Tecumseh Rd	Over / Under	5		\$3,120								
Sunset Ave	Wyandotte St W	Cul-De-Sac	Combined	2		\$2,335								
McEwan Ave	Riverside Dr W	University Ave W	Combined	2		\$2,600								
<b>Engineering ONLY - For 2027 Projects</b>						\$500								
<b>Construction</b>														
Ford Blvd	Reginald St	Coronation Ave	Combined	8			\$4,500							
Patricia Rd Ph 1	University Ave	Riverside Dr	Combined	2			\$667							
Central Ave	Via Tracks	Franklin St	Over / Under	5			\$3,600							
<b>Engineering ONLY - For 2028 Projects</b>							\$600							
<b>Construction</b>														
Patricia Rd Ph 2	University Ave	Riverside Dr	Combined	2				\$1,000						
Marentette	Elliott	Erie	Combined	4				\$4,100						
<b>Engineering ONLY - For 2029 Projects</b>								\$364						
List for various projects for 2029 construction not yet developed.														
<b>Construction</b>														
Girardot St	Prince Rd	Brock St	Over / Under	2					\$3,500					
Chandler Rd	Seminole St	Reginald St	Separated	5					\$2,400					
Westminster Blvd	Joinville Ave	Rose St	Combined	8					\$2,100					
McEwan Ph 1	Pelletier	Cul-de-sac	Over / Under	2					\$1,200					
<b>Engineering ONLY - For 2030 Projects</b>									\$500					
List for various projects for 2030 construction not yet developed.														
<b>Construction</b>														
McEwan Ph 2	Pelletier	Cul-de-sac	Over / Under	2						\$1,800				
Louis Ave	Lens Ave	Memorial Dr	Combined	4						\$3,000				
Remaining list of projects for 2029 construction being compiled										\$4,000				
<b>Engineering ONLY - For 2031 Projects</b>										\$500				
List for various projects for 2031 construction not yet developed.														
<b>Construction</b>														
List of projects for 2030 construction being compiled											\$8,500			
<b>Engineering ONLY - For 2032 Projects</b>											\$500			
List for various projects for 2032 construction not yet developed.														
<b>Construction</b>														
List of projects for 2031 construction being compiled												\$8,500		
<b>Engineering ONLY - For 2033 Projects</b>												\$500		
List for various projects for 2033 construction not yet developed.														
<b>Construction</b>														
List of projects for 2032 construction being compiled													\$8,545	
<b>Engineering ONLY - For 2033 Projects</b>													\$500	
List for various projects for 2034 construction not yet developed.														
<b>Grand Total</b>						<b>\$6,037</b>	<b>\$8,555</b>	<b>\$9,367</b>	<b>\$5,464</b>	<b>\$9,700</b>	<b>\$9,300</b>	<b>\$9,000</b>	<b>\$9,000</b>	<b>\$9,045</b>

\* Project list for 2024 - 2032 is preliminary only and must be coordinated with the Windsor Utilities Commission and Operation



# Project Version Summary

<b>Project #</b>	ECP-036-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	Ojibway Sanitary Sewer Rehabilitation		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	Ward 1, Ward 2		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>
<p>These funds are required to rehabilitate the century old deteriorated sanitary sewer on Ojibway Parkway between the former Windsor Raceway and the Lou Romano Water Reclamation Plant. This sewer serves many of the industries located within the Ojibway Industrial Park. A 1992 study by LaFontaine, Cowie, Buratto &amp; Associates Limited (now Stantec Consulting Ltd.) identified serious deterioration of the Ojibway Sanitary Sewer and recommended complete rehabilitation.</p> <p>Past phases of work included Phase 1 (1993), Phase 2 (Linsell to Chappus - 2001), Phase 3 (Chappus to Broadway - 2001), Phase 4 (2011), Phase 5 (2017), and the more recent emergency relining work in 2020.</p>

<b>Version Description</b>
<p>2023: Rehabilitation - \$3,000,000 The project is complete pending funding allocation.</p>

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7203006	COMMITMENT: CR496/2020 - C 186/2020: 2023 F153 \$3,000,000

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	3,000,000	0	0	0	0	0	0	0	0	0	3,000,000
Total	3,000,000	0	0	0	0	0	0	0	0	0	3,000,000
<b>Revenues</b>											
028 Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
028CF Committed Funding	0	0	0	0	0	0	0	0	0	0	0
153CF Committed Funding	3,000,000	0	0	0	0	0	0	0	0	0	3,000,000
Total	3,000,000	0	0	0	0	0	0	0	0	0	3,000,000



Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2014	1,900,000	1,900,000	0				
					Depending on the final design, there may be decreased sewer maintenance costs.				
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2007	January 1, 2022	Growth: 0.0 % Maintenance: 100.0 %		Fahd Mikhael	2022				



# Project Version Summary

<b>Project #</b>	ENG-001-16	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	Sixth Concession Rd./North Talbot Rd. Infrastructure Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 1, Ward 9		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>
The project is the implementation of the Sixth Concession/North Talbot EA. Limits are - Sixth Concession Road from Division to North Talbot and on North Talbot from Howard to City limits.
Phase 1 on North Talbot from Howard to the west leg of Southwood Lakes boulevard is under construction.

<b>Version Description</b>
2023-2028: Construction - North Talbot Phase 2 - Southwood Lakes Boulevard (West leg) to Goldenwood
2028-2032: Engineering for phased works
The balance of the phased improvements are estimated in the range of \$38 million.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7171063	COMMITMENT: B30/2019 - C 53/2019: 2023 F169 \$750 - 2023 F221 \$250

<b>Project Detailed Forecast</b>												
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>	
<b>Expenses</b>												
5210 Land Acquisition	630	0	0	0	0	0	0	0	0	0	630	
5410 Construction Contracts - TCA	370	0	0	700,000	969,813	1,425,187	1,750,000	1,400,000	1,000,000	1,500,000	8,745,370	
Total	1,000	0	0	700,000	969,813	1,425,187	1,750,000	1,400,000	1,000,000	1,500,000	8,746,000	
<b>Revenues</b>												
115 Dev Chg - Roads & Related	0	0	0	0	0	0	0	498,000	1,000,000	750,000	2,248,000	
169 Pay As You Go - Capital Reserve	0	0	0	525,000	219,813	675,187	1,000,000	202,000	0	0	2,622,000	
169CF Committed Funding	750	0	0	0	0	0	0	0	0	0	750	
221 Service Sustainability Investm	0	0	0	175,000	750,000	750,000	750,000	700,000	0	750,000	3,875,000	
221CF Committed Funding	250	0	0	0	0	0	0	0	0	0	250	
Total	1,000	0	0	700,000	969,813	1,425,187	1,750,000	1,400,000	1,000,000	1,500,000	8,746,000	

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2020	2,850,000	2,850,000	0				
		2021	932,000	932,000	0				
		2022	967,000	967,000	0				
					Depending on the final design, there may be increased road and sewer maintenance costs.				
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2016	January 1, 2021	Growth: 75.0 % Maintenance: 25.0 %	Paul Mourad		2033 & Beyond				



# Project Version Summary

<b>Project #</b>	ENG-001-22	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	Cameron Ave Storm Trunk Sewer (SMP)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	Ward 2		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 Construction of new trunk storm sewer with outlet at Detroit River, consisting of 3.0km of storm sewer improvements, separation of existing combined sewers and road reconstruction.

**Version Description**  
 2031: Engineering fees for the Outlet at Detroit River - Schedule C Municipal Class Environmental Assessment Report  
 The balance of funding required for detailed design of the Outlet at Detroit River and Utility Relocation is estimated at \$2.8 million. Phase 1 – Martindale to Detroit River (outlet at Cameron Ave) is estimated at \$18 million. There are no funds identified for this work within the 10-year plan.

<b>Project Comments/Reference</b>	<b>Version Comments</b>

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	0	0	0	0	0	0	800,000	0	800,000
Total	0	0	0	0	0	0	0	0	800,000	0	800,000
<b>Revenues</b>											
028 Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
153 Sewer Surcharge	0	0	0	0	0	0	0	0	800,000	0	800,000
Total	0	0	0	0	0	0	0	0	800,000	0	800,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>	<b>Operating Budget Impact</b>

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2022		Growth: 0.0 % Maintenance: 0.0 %	Ian Wilson	2033 & Beyond`



# Project Version Summary

<b>Project #</b>	ENG-002-17	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	Bus Bay Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	These funds are used to cost-share in the construction of school bus bays as per a formula approved through CR383/2009. Bus bay needs are prioritized by a committee of the four school boards as well as Transportation Services.
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<b>Version Description</b>	The school boards have prioritized the following schools:  -Forest Glade Primary Learning Centre
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
7119001	

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	100,000	100,000	0	0	100,000	100,000	100,000	100,000	50,000	0	650,000
Total	100,000	100,000	0	0	100,000	100,000	100,000	100,000	50,000	0	650,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	100,000	100,000	0	0	100,000	100,000	100,000	100,000	50,000	0	650,000
Total	100,000	100,000	0	0	100,000	100,000	100,000	100,000	50,000	0	650,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>		
			<b>Revenue</b>		<b>Effective Date</b> Unknown		<b>Exp/(Rev) FTE Impact</b>
	<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<b>Description</b>		0
	2022	100,000	100,000	0	Depending on the final design, there may be increase road maintenance costs.		0

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2017	January 1, 2022	Growth: 100.0 % Maintenance: 0.0 %	Paul Mourad	Ongoing`
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## Project Version Summary

<b>Project #</b>	ENG-002-19	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	Sewer Master Plan Implementation (SMP)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

The Sewer and Coastal Flood Protection Master Plan is now complete and will serve as a guiding document to reduce the risk and impact of flooding in the City. An implementation strategy is being developed to align recommendations contained in the SMP with various other City priorities/improvements with overlapping goals.

### Version Description

Work / Action identified by Sewer Master Plan  
 Lauzon Parkway  
 2023 - Construction Placeholders \$3,970,000  
 2024 - Construction Placeholders \$6,500,000  
 2025 - Construction Placeholders \$890,000

Riverside Drive Ph2A – Hawthorn to Cantelon  
 2024 - \$5,000,000  
 2026 – \$5,000,000  
 2028 - \$5,000,000  
 2030 - \$100,000

St. Rose Stormwater Pumping Station  
 2023 - \$5,000,000  
 2025 - \$5,000,000  
 2027 – \$5,000,000  
 2029 - \$5,000,000  
 2030 - \$4,900,000

Trunk Sewer Flow Monitoring  
 2025 - \$252,650

Locate & Mitigate Inflow & Infiltration in Existing Neighbourhoods  
 2025 - \$301,571

Unallocated  
 2025-2032 -remaining from above will be outlined through the Sewer Implementation Prioritization  
 2033+ \$5.0 Billion



Project Comments/Reference	Version Comments
7199004, 7201032, 7201034, 7201035, 7201036, 7196000, 7219002, 7211017, 7219003, 7211018	<p>COMMITMENTS:            B13/2021, C 5/2021: \$5,000,000 F153 2023-2025            B13/2021, C 5/2021: \$5,000,000 F153 2026-2030 to be approved and that once funding for each year is within 5 years is pre-committed and available for immediate use.            B32/2021 - C 161/2021: 1. Trunk Sewer flow Monitoring (7224003) - 2025 F153 \$81,400 - 2025 F221 \$171,250 2. Locate and Mitigate Inflow &amp; Infiltration of Existing Neighborhoods (7224004) - 2025 - F153 \$94,071 - 2025 F221 \$207,500.</p> <p>PLACEHOLDER:            CR379/2020 - C 127/2020: 2023 F153 \$3,970,000 2024 F153 \$6,500,000 - 2025 F153 \$714,529 (\$890,000 Less per-commitment of \$81,400 &amp; \$94,071) - To be leveraged as the City's matching portion of a grant, should any grant opportunities become available for this project.</p> <p>Note:            As part of this Capital Budget submission, Administration is requesting Council's approval to transfer funding between each of SMP - funded project ids within PeopleSoft.</p>

Project Detailed Forecast											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
2915 Consulting Services - External	3,970,000	6,500,000	2,793,221	2,500,000	6,627,801	1,100,000	3,012,820	226,580	732,799	0	27,463,221
5410 Construction Contracts - TCA	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	0	0	40,000,000
Total	8,970,000	11,500,000	7,793,221	7,500,000	11,627,801	6,100,000	8,012,820	5,226,580	732,799	0	67,463,221
<b>Revenues</b>											
028 Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
028CF Committed Funding	0	0	0	0	0	0	0	0	0	0	0
153 Sewer Surcharge	0	0	610,000	2,500,000	6,458,121	1,100,000	2,282,500	226,580	732,799	0	13,910,000
153CF Committed Funding	8,970,000	11,500,000	5,890,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	0	0	51,360,000
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
221 Service Sustainability Investm	0	0	914,471	0	169,680	0	730,320	0	0	0	1,814,471
221CF Committed Funding	0	0	378,750	0	0	0	0	0	0	0	378,750
Total	8,970,000	11,500,000	7,793,221	7,500,000	11,627,801	6,100,000	8,012,820	5,226,580	732,799	0	67,463,221

Related Projects		Historical Approved Budget			Operating Budget Impact	
			<b>Revenue</b>			
	<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>		
	2019	4,812,249	4,812,249	0		
	2020	10,250,000	10,250,000	0		
	2021	8,970,000	8,970,000	0		
	2022	10,760,779	10,760,779	0		
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date		
2019	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %	Stacey McGuire	Ongoing`		



# Project Version Summary

<b>Project #</b>	ENG-002-22	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	Jefferson Drainage Area (SMP)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

**Project Description**  
 Construction of separated storm and sanitary sewers including trunk and storage systems to reduce surface and basement flooding risks in the Edgar St sanitary trunk sewer service area, includes Jefferson Pumping Station Drainage Area. Recommendations were refined in the SMP. Phasing plan was is being developed with a recommended phase 1 construction planned in 2023. Additional funding for subsequent phases is required.

**Version Description**  
 2024-2026: Phase 2 Construction of improvements per the recommended phasing plan.  
 2032: Engineering for future phases of the implementation plan.  
 Remaining phases as identified in the Sewer Master Plan are estimated in the range of – \$161 million.

<b>Project Comments/Reference</b>	<b>Version Comments</b>

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	324,498	751	0	0	1,637,751	0	0	0	750,000	2,713,000
Total	0	324,498	751	0	0	1,637,751	0	0	0	750,000	2,713,000
<b>Revenues</b>											
028 Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
153 Sewer Surcharge	0	324,498	751	0	0	1,500,000	0	0	0	750,000	2,575,249
169 Pay As You Go - Capital Reserve	0	0	0	0	0	137,751	0	0	0	0	137,751
221 Service Sustainability Investm	0	0	0	0	0	0	0	0	0	0	0
Total	0	324,498	751	0	0	1,637,751	0	0	0	750,000	2,713,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2022		Growth: 0.0 % Maintenance: 0.0 %	Ian Wilson	2033 & Beyond



# Project Version Summary

<b>Project #</b>	ENG-003-23	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>		<b>Division</b>	Design
<b>Title</b>	E.C Row/Banwell Interchange		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 7		
<b>Version Name</b>	Main (Active)		

**Project Description**

A Traffic Impact Study was completed as a result of the Nextstar Energy Development. Results indicated the urgent need for an interchange at this location. The addition of the development further contributes to an already poor service level. The interchange must be built as soon as possible. Interim solutions will have to be developed and implemented prior to the new development operations.

**Version Description**

2029-2032: Engineering and site prep.

The construction of the interchange is estimated in the range of \$50 million. There are no funds identified within the 10-year plan.

Project Comments/Reference	Version Comments
7233000	COMMITMENTS C 226/2022; CR19/2023 - 2025 F169 \$1,346,000, 2024 F176 \$1,000,000, 2025 F176 \$2,654,000

Project Detailed Forecast											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	1,000,000	4,000,000	0	0	0	0	0	0	0	5,000,000
Total	0	1,000,000	4,000,000	0	0	0	0	0	0	0	5,000,000
<b>Revenues</b>											
028 Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
169CF Committed Funding	0	0	1,346,000	0	0	0	0	0	0	0	1,346,000
176 Canada Community-Building Fund	0	0	0	0	0	0	0	0	0	0	0
176CF Committed Funding	0	1,000,000	2,654,000	0	0	0	0	0	0	0	3,654,000
221 Service Sustainability Investm	0	0	0	0	0	0	0	0	0	0	0
Total	0	1,000,000	4,000,000	0	0	0	0	0	0	0	5,000,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2023		Growth: 0.0 % Maintenance: 0.0 %	France Isabelle-Tunks	TBD`



# Project Version Summary

<b>Project #</b>	ENG-004-23	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>		<b>Division</b>	Design
<b>Title</b>	Dominion - Ojibway to Totten/ Ojibway Storm Outlet		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 10		
<b>Version Name</b>	Main (Active)		

**Project Description**

The new storm sewer design will be based on South Cameron Planning Area Functional Design Report as prepared by Haddad Morgan and Associates Ltd.

South Cameron Storm Outlet through Ojibway trunk sewer will require to be constructed prior to Dominion (Ojibway to Totten), based on Haddad Morgan's recommendation to provide an outlet for the storm sewer system.

**Version Description**

2027-2031: Engineering & Construction - Ojibway (Storm Outlet) phase 1 - St. Clair Avenue to Roxborough Boulevard (530 m) - estimated at \$6.8 million  
 2032: Engineering & Construction - Ojibway (Storm outlet) phase 2 (Roxborough Blvd to Dominion)- \$2 million

The balance of the work for phase 2 is estimated at \$6.6 million which is not currently funded within the 10 year plan.

Dominion - Ojibway to Totten - \$9 million - not currently funded within the 10 year plan.

Project Comments/Reference	Version Comments

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5410	Construction Contracts - TCA	0	0	0	0	298,520	1,778,051	1,250,000	500,000	2,973,429	2,000,000	8,800,000
	Total	0	0	0	0	298,520	1,778,051	1,250,000	500,000	2,973,429	2,000,000	8,800,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	0	0	0	276,520	300,051	500,000	500,000	2,973,429	1,000,000	5,550,000
176	Canada Community-Building Fund	0	0	0	0	0	0	0	0	0	0	0
221	Service Sustainability Investm	0	0	0	0	22,000	1,478,000	750,000	0	0	1,000,000	3,250,000
	Total	0	0	0	0	298,520	1,778,051	1,250,000	500,000	2,973,429	2,000,000	8,800,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2023		Growth: 0.0 % Maintenance: 0.0 %	Aojeen Issac	TBD`





## Project Version Summary

<b>Project #</b>	ENG-005-17	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	Central Box EA Road and Infrastructure Improvements (SMP)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 9, Ward 10		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	
<p>The Central Box EA (2017) proposes road and infrastructure improvements to an area bounded by Eugenie St. to the north, Howard Ave. to the east, West Grand / South Cameron to the south, and Dominion Blvd. to the west.</p> <p>The Dominion work is anticipated to start construction in 2023 from Northwood to Ojibway.</p>	
<b>Version Description</b>	
<p>2023: Construction - Dougall Rd CN Underpass - \$3,560,000 These works are complete pending funding allocation.</p> <p>2024-2026: Engineering Construction - Dominion - Northwood to Ojibway - \$4 million These funds are pre-committed to facilitate construction planned for 2023.</p> <p>Subsequent phases required to complete the work in Central Box EA are estimated in the range of \$66 million.</p>	
<b>Project Comments/Reference</b>	<b>Version Comments</b>
<p>As part of the Central Box EA, works related to both the Dougall Avenue-Ouellette Place intersection, along with a new East-West Connection, be made a priority. The works related to the Dougall Avenue-Ouellette Place intersection have been identified as part of the 2019, 7-year Capital Plan. Other works identified in the EA were not prioritized and remain in the 2026+ timeframe at this time.</p> <p>7161061, 7171084, 7203004</p>	<p>COMMITMENT: CR172/2019 - C 38/2019 - (7161061): 2023 F169 \$2,370,000 - 2023 F176 \$400,000 - 2023 F221 \$790,000 CR69/2022 - C13/2022 - (7171084): 2024 F169 \$1,925,000 - F221 \$1,275,000 - 2025 F169 \$225,000 - F221 \$75,000 - 2026 F169 \$375,000 - \$F221 \$125,000</p>

Project Detailed Forecast													
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total	
<b>Expenses</b>													
5410	Construction Contracts - TCA	3,560,000	3,200,000	300,000	500,000	0	0	0	0	0	0	7,560,000	
Total		3,560,000	3,200,000	300,000	500,000	0	0	0	0	0	0	7,560,000	
<b>Revenues</b>													
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0	
169CF	Committed Funding	2,370,000	1,925,000	225,000	375,000	0	0	0	0	0	0	4,895,000	
176CF	Committed Funding	400,000	0	0	0	0	0	0	0	0	0	400,000	
221	Service Sustainability Investm	0	0	0	0	0	0	0	0	0	0	0	
221CF	Committed Funding	790,000	1,275,000	75,000	125,000	0	0	0	0	0	0	2,265,000	
Total		3,560,000	3,200,000	300,000	500,000	0	0	0	0	0	0	7,560,000	
<b>Related Projects</b>		<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
				<b>Revenue</b>				<b>Effective Date</b> Unknown		<b>Exp/(Rev) FTE Impact</b>			
		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Description</b>				0 0			
		2019	1,722,000	1,722,000	0	Depending on the final design, there may be increased road and bicycle facility maintenance costs.							
		2020	500,000	500,000	0								
		2021	2,743,891	2,650,000	93,891								
		2022	2,100,000	2,100,000	0								
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>		<b>Est. Completion Date</b>							
2017	January 1, 2019	Growth: 75.0 % Maintenance: 25.0 %		Aojeen Issac		2033 & Beyond'							



# Project Version Summary

<b>Project #</b>	ENG-005-19	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	Enhanced Flooding Mitigation Program - DMAF 1		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	Ward 6		
<b>Version Name</b>	Main (Active)		

**Project Description**

A series of major sewer-related projects, estimated to cost \$89,784,560, has been identified through work related to the ongoing Sewer Master Plan which can help reduce the likelihood of flooding. The Federal government, through the Disaster Mitigation and Adaptation Fund, is anticipated to fund \$32,090,691 of the work, or 40% of the eligible costs, WUC Recoveries are anticipated to be \$2,412,869, City funding is for the remaining \$55,281,000.

**Version Description**

Individual Project budgets are subject to change per executive committee. Below are listing of projects.

- Matthew Brady - Edgar / Tranby (Phase 2)
- Belle Isle View - Wyandotte / St. Rose (Phase 1)
- Belle Isle View - St. Rose / Edgar (Phase 2)
- Eastlawn - Wyandotte E / Edgar
- Matthew Brady - Wyandotte E / St. Rose (Phase 3)
- East Marsh Road Drainage Redirection
- Tranby Road & Park:
- Riverside Vista, Phase 2A
- Cedarview Relief Sewer
- Bellperche Trunk Sewer
- Brumpton Park Underground Storage:
- St. Paul Pump Station Expansion
- East Marsh Pump Station Improvements:
- LRPCP Overflow Improvement:
- Flow Monitoring
- General City Sewer Rehabilitation Projects

Project Comments/Reference	Version Comments
7171005, 7171009, 7181007, 7191025, 7191035, 7191034, 7196000, 7191038, 7205000, 7205001, 7215001, 7215000, 7215002, 7225000	<p>COMMITMENT:</p> <p>CR380/2018 - C 119/2018: 2023 F153 \$2,000,000 - 2024 - F153 \$6,550,000 - 2025 F153 \$6,550,000 - 2026 F153 \$6,550,000</p> <p>CR695/2017 - C 190/2017: 2023 F169 \$837,500 - 2023 F221 \$2,512,500 - 2024 F169 \$928,750 - 2024 F221 \$2,786,250</p> <p>PLACEHOLDER:</p> <p>CR380/2018 - C 119/2018: 2027 and 2028 F153 \$6,550,000 approved for immediate use, once the funding year falls within 5 years funds are committed.</p> <p>Note:</p> <p>B57/2020 - C 198/2019: Administration is requesting Council approval to transfer funding between each of DMAF-funded project ids within Peoplesoft, subject to approval of the DMAF Executive Committee.</p>

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	9,055,038	15,557,094	13,174,958	9,824,443	6,660,923	7,065,046	0	0	0	0	61,337,502
Total		9,055,038	15,557,094	13,174,958	9,824,443	6,660,923	7,065,046	0	0	0	0	61,337,502
<b>Revenues</b>												
028CF	Committed Funding	0	0	0	0	0	0	0	0	0	0	0
153CF	Committed Funding	2,000,000	6,550,000	6,550,000	6,550,000	6,550,000	6,550,000	0	0	0	0	34,750,000
169CF	Committed Funding	837,500	928,750	0	0	0	0	0	0	0	0	1,766,250
221CF	Committed Funding	2,512,500	2,786,250	0	0	0	0	0	0	0	0	5,298,750
6320	Canada Specific Grants	3,570,523	5,071,323	6,490,443	3,274,443	110,923	515,046	0	0	0	0	19,032,701
6735	Recovery Of Expenses EXTERNAL	134,515	220,771	134,515	0	0	0	0	0	0	0	489,801
Total		9,055,038	15,557,094	13,174,958	9,824,443	6,660,923	7,065,046	0	0	0	0	61,337,502
<b>Related Projects</b>		<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>						
				<b>Revenue</b>								
		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>							
		2019	4,566,886	4,230,000	336,886							
		2020	6,956,181	3,276,000	3,680,181							
		2021	8,048,551	3,005,000	5,043,551							
		2022	8,670,440	2,750,000	5,920,440							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>			<b>Est. Completion Date</b>					
2019	January 1, 2017	Growth: 15.6 % Maintenance: 84.4 %		Various			2028`					



# Project Version Summary

<b>Project #</b>	ENG-005-22	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	DMAF 4 Large-Scale Stream Retention Treatment Basin LRWRP		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	Ward 2		
<b>Version Name</b>	Main (Active)		

**Project Description**

The West Windsor Retention Treatment Basin (RTB) will reduce the risk of basement flooding across the Lou Romano Water Reclamation Plant (LRWRP) drainage area during extreme precipitation events and meet the Ministry’s Procedure F-5-5 for combined sewer overflows (CSO) requirements. A series of RTB-related projects have been identified through the Windsor Riverfront West CSO Control “Schedule C” Class EA Environmental Study Report, and confirmed by the approved Sewer Master Plan. Project was submitted as part of Disaster Mitigation and Adaptation Fund (DMAF) Intake 4. If approved, the Federal government, through the Disaster Mitigation and Adaptation Fund, is anticipated to fund \$32,740,800 of the work, or 40% of the eligible costs, City funding is for the remaining \$55,800,000.

**Version Description**

Individual Project budgets are subject to change per executive committee. Below are listing of projects.

- CSO Collector Sewer and upgrades Interceptor Chambers
- Pumping Station to raise flow from CSO Collector Sewer to RTB
- Retention Treatment Basin at LRWRP
- Outfall Sewer from RTB to Detroit River

Project Comments/Reference	Version Comments
7225001	PLACEHOLDER: CR454/2021 C138/2021: F153 2027 \$3,751,701 - 2028 \$5,887,751 - 2029 \$6,987,751 and \$1,600,000 - 2030 \$6,987,751 & \$5,000,000 - 2031 \$12,000,000 - 2032 \$13,585,046

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
2951	INTERNAL Service Salary Allocn	0	0	0	0	3,751,701	5,887,751	8,587,751	11,987,751	12,000,000	13,585,046	55,800,000
	Total	0	0	0	0	3,751,701	5,887,751	8,587,751	11,987,751	12,000,000	13,585,046	55,800,000
<b>Revenues</b>												
028CF	Committed Funding	0	0	0	0	0	0	0	0	0	0	0
153CF	Committed Funding	0	0	0	0	3,751,701	5,887,751	8,587,751	11,987,751	12,000,000	13,585,046	55,800,000
	Total	0	0	0	0	3,751,701	5,887,751	8,587,751	11,987,751	12,000,000	13,585,046	55,800,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2022		Growth: 0.0 % Maintenance: 0.0 %	Ian Wilson	2032



## Project Version Summary

<b>Project #</b>	ENG-006-20	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	Local Improvement Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

This project funds Local Improvements related to roads, alleys, sidewalks, street-lighting and sewers.

### Version Description

Projects are selected in a priority basis and as per report C 131/2019 approved by council. They are selected based on condition ratings and prioritized installation of new sanitary sewers in un-serviced areas.

2023: Clemenceau Local Improvement – North Service Road to Railway Tracks  
Baseline Road Sanitary Sewer Improvements - 7th to 8th Concession Road

2024 - 2032: - Project list in progress

### Project Comments/Reference

7171002, 7111012, 7159000, 7191008, 7161015, 7221039

### Version Comments

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total																		
<b>GL Account</b>																														
<b>Expenses</b>																														
5410	Construction Contracts - TCA	28,000	2,991,282	726,282	1,637,000	1,250,000	1,550,000	1,295,000	1,897,436	1,250,000	1,500,000	14,125,000																		
	Total	28,000	2,991,282	726,282	1,637,000	1,250,000	1,550,000	1,295,000	1,897,436	1,250,000	1,500,000	14,125,000																		
<b>Revenues</b>																														
028	Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0																		
153	Sewer Surcharge	0	1,895,562	545,562	500,000	500,000	750,000	750,000	750,000	500,000	840,000	7,031,124																		
160	Capital Expenditure Reserve	0	0	50,000	0	0	0	0	0	0	0	50,000																		
169	Pay As You Go - Capital Reserve	0	0	0	0	0	200,000	95,000	997,436	300,000	225,000	1,817,436																		
221	Service Sustainability Investm	28,000	815,000	0	887,000	500,000	300,000	300,000	0	300,000	435,000	3,565,000																		
6735	Recovery Of Expenses EXTERNAL	0	280,720	130,720	250,000	250,000	300,000	150,000	150,000	150,000	0	1,661,440																		
	Total	28,000	2,991,282	726,282	1,637,000	1,250,000	1,550,000	1,295,000	1,897,436	1,250,000	1,500,000	14,125,000																		
<b>Related Projects</b>		<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>																								
		<table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">Total Expense</th> <th colspan="2">Revenue</th> </tr> <tr> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr> <td>2020</td> <td>1,944,800</td> <td>1,594,800</td> <td>350,000</td> </tr> <tr> <td>2021</td> <td>3,850,000</td> <td>3,569,280</td> <td>280,720</td> </tr> <tr> <td>2022</td> <td>1,670,000</td> <td>1,520,000</td> <td>150,000</td> </tr> </tbody> </table>				Year	Total Expense	Revenue		Net City Cost	Subsidies	2020	1,944,800	1,594,800	350,000	2021	3,850,000	3,569,280	280,720	2022	1,670,000	1,520,000	150,000							
Year	Total Expense	Revenue																												
		Net City Cost	Subsidies																											
2020	1,944,800	1,594,800	350,000																											
2021	3,850,000	3,569,280	280,720																											
2022	1,670,000	1,520,000	150,000																											
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>			<b>Est. Completion Date</b>																							
2020	January 1, 2020	Growth: 0.0 % Maintenance: 100.0 %		Adam Mourad			Ongoing`																							





# Project Version Summary

<b>Project #</b>	ENG-026-17	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	Sandwich Street - Roundabout and Archeological Study		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 2		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	This project is the construction of a roundabout at University Ave and Riverside Dr.										
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<b>Version Description</b>	This project is complete pending funding allocation.										
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<b>Project Comments/Reference</b>	7171001			<b>Version Comments</b>							
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<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	375,000	0	0	0	0	0	0	0	0	0	375,000
Total	375,000	0	0	0	0	0	0	0	0	0	375,000
<b>Revenues</b>											
221CF Committed Funding	375,000	0	0	0	0	0	0	0	0	0	375,000
Total	375,000	0	0	0	0	0	0	0	0	0	375,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>			
			<b>Revenue</b>					
	<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>		<b>Subsidies</b>			
	2019	500,000	500,000		0			
	2021	1,150,000	1,150,000		0			

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2017	January 23, 2017	Growth: 0.0 % Maintenance: 100.0 %	Fahd Mikhael	2021`
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# Project Version Summary

<b>Project #</b>	ENG-027-17	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Design
<b>Title</b>	Walkerville Theming Implementation		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>	Ward 3, Ward 4		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	Placeholder as per the approved 2017 enhanced Capital Budget 5-year plan.
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<b>Version Description</b>	Project is the future implementation of the Walkerville Theming on Districting Plan
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
	PLACEHOLDER: B8/2019 - C 226/2021: 2024 F169 \$1,000,000.

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	1,000,000	0	0	0	0	0	0	0	0	1,000,000
Total	0	1,000,000	0	0	0	0	0	0	0	0	1,000,000
<b>Revenues</b>											
169CF Committed Funding	0	1,000,000	0	0	0	0	0	0	0	0	1,000,000
Total	0	1,000,000	0	0	0	0	0	0	0	0	1,000,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>	<b>Operating Budget Impact</b>

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2017	January 23, 2017	Growth: 0.0 % Maintenance: 0.0 %	France Isabelle-Tunks	2024`
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## Project Version Summary

<b>Project #</b>	ECP-001-10	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Development
<b>Title</b>	Upper Little River Stormwater Management Plan and Implementation		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	Ward 9		
<b>Version Name</b>	Main (Active)		

### Project Description

To provide storm water drainage outlet and regional storm water management facilities for the Sandwich South Lands. Upper Little River Storm Water Study was initiated to develop a plan for the provision, protection, enhancement and restoration of the drainage system. Substantial stormwater facilities are required and are to be constructed in phases.

Based on current development pressures, the first priority will be the construction of stormwater management (SWM) facilities at the NW corner of Lauzon Parkway and County Road 42 which will service the Lauzon Parkway/County Rd 42 intersection and properties fronting on County Road 42. This may be constructed in phases with the first phase being the size of pond required to service the intersection and hospital site. Future phases would expand the pond to service the remaining properties along County Road 42.

The next priority will likely be SWM facilities to service the East Pelton Secondary Plan area.

### Version Description

2023 - 2032: Phased design, land acquisition and construction of SWM ponds at Lauzon / CR 42 - \$25,635,973

Phased construction of the remainder of the SWM ponds at Lauzon/CR42.  
SWM ponds to service the East Pelton Secondary Plan Area

### Project Comments/Reference

7076102/7155000 (closed)

### Version Comments

COMMITMENTS  
C 226/2022; CR19/2023-2023 F117 \$2,000,000

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	2,000,000	3,300,000	4,151,200	3,496,687	1,688,086	1,500,000	1,725,000	2,275,000	2,500,000	3,000,000	25,635,973
Total		2,000,000	3,300,000	4,151,200	3,496,687	1,688,086	1,500,000	1,725,000	2,275,000	2,500,000	3,000,000	25,635,973
<b>Revenues</b>												
028	Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
117	Dev Chg - Storm & Drains	0	3,300,000	2,584,000	0	0	0	0	0	0	0	5,884,000
117CF	Committed Funding	2,000,000	0	0	0	0	0	0	0	0	0	2,000,000
153	Sewer Surcharge	0	0	1,567,200	2,672,188	1,345,836	0	157,800	2,275,000	2,016,952	3,000,000	13,034,976
169	Pay As You Go - Capital Reserve	0	0	0	824,499	342,250	1,500,000	1,567,200	0	483,048	0	4,716,997
176	Canada Community-Building Fund	0	0	0	0	0	0	0	0	0	0	0
Total		2,000,000	3,300,000	4,151,200	3,496,687	1,688,086	1,500,000	1,725,000	2,275,000	2,500,000	3,000,000	25,635,973
<b>Related Projects</b>		<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>						
				<b>Revenue</b>		<b>Effective Date</b> Unknown		<b>Exp/(Rev)</b>		<b>FTE Impact</b>		
		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Description</b>						
		2015	250,000	250,000	0	Depending on the final design of the drainage system, there may be additional drain maintenance costs.						0
		2018	500,000	500,000	0			0				
		2020	500,000	500,000	0			0				
		2021	500,000	500,000	0			0				
		2022	1,000,000	1,000,000	0			0				
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>		<b>Est. Completion Date</b>						
2010	January 1, 2018	Growth: 100.0 % Maintenance: 0.0 %		Ryan Langlois		2033 & Beyond						



# Project Version Summary

<b>Project #</b>	ECP-004-08	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Development
<b>Title</b>	Municipal Drains Capital Rehabilitation Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	
<p>The ongoing maintenance of Municipal Drains is required by the Drainage Act. Any person affected by the condition of a drain has the power to compel repairs and places potential liability on the responsible municipality.</p> <p>As directed by City Council and approved by the City of Windsor Act, 1968, and CR388/2007, municipal drain maintenance is charged to the general levy and/or to the sewer surcharge levy rather than through special assessment to benefiting property owners as permitted by the Drainage Act. The majority of current funding is raised through the sewer surcharge levy. In order to maintain existing municipal drains and to update Drainage Engineer reports on a 70 year cycle, sustained investments in this project are required.</p>	
<b>Version Description</b>	
<p>Municipal Drains: 2023-2032: Drainage Engineer Reports and maintenance as required</p> <p>Priority Projects identified in the 5-year horizon include, but are not limited to:</p> <ul style="list-style-type: none"> <li>• Russette Drain</li> <li>• Talsma Drain</li> <li>• Wolfe Drain</li> <li>• McKee Drain</li> <li>• Basin Drain</li> <li>• Dawson Drain</li> <li>• O'Neil Drain</li> <li>• Turkey Creek</li> </ul>	
<b>Project Comments/Reference</b>	<b>Version Comments</b>
7086004	

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
2950	Other Prof Services-External	419,000	250,000	336,000	500,000	500,000	0	600,000	600,000	800,000	500,000	4,505,000
Total		419,000	250,000	336,000	500,000	500,000	0	600,000	600,000	800,000	500,000	4,505,000
<b>Revenues</b>												
028	Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
153	Sewer Surcharge	250,000	250,000	250,000	500,000	500,000	0	600,000	600,000	800,000	500,000	4,250,000
221	Service Sustainability Investm	169,000	0	86,000	0	0	0	0	0	0	0	255,000
Total		419,000	250,000	336,000	500,000	500,000	0	600,000	600,000	800,000	500,000	4,505,000
Related Projects		Historical Approved Budget				Operating Budget Impact						
				Revenue				Effective Date Unknown		Exp/(Rev) FTE Impact		
		Year	Total Expense	Net City Cost	Subsidies	Description		0		0		
		2008	400,000	400,000	0	No Operating Budget Impact						
		2009	200,000	200,000	0							
		2010	200,000	200,000	0							
		2011	200,000	200,000	0							
		2012	200,000	200,000	0							
		2013	200,000	200,000	0							
		2014	200,000	200,000	0							
		2015	200,000	200,000	0							
		2016	100,000	100,000	0							
		2017	100,000	100,000	0							
		2018	200,000	200,000	0							
		2019	500,000	500,000	0							
		2020	200,000	200,000	0							
		2021	545,000	545,000	0							
		2022	250,000	250,000	0							
Year Identified	Start Date	Project Type for 2023		Project Lead		Est. Completion Date						
2008	January 1, 2008	Growth: 0.0 % Maintenance: 100.0 %		Tom Graziano		Ongoing`						





# Project Version Summary

<b>Project #</b>	ECP-004-09	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Development
<b>Title</b>	Stormwater and Sanitary Master Plan Development (SMP)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

The need for these Master plans was recognized as a result of several factors, including the acquisition of the Sandwich South Lands and the completion of many of the Priority 1 Storm Sewer projects. Over the past 50 years, many studies have been undertaken for Storm and Sanitary Drainage areas. In addition, the current CCTV sewer program will identify areas of concern for sewer replacement. The resulting Stormwater and Sanitary master plans will provide consolidation of the various Storm and Sanitary studies and identify Storm and Sanitary priority lists for future Capital Works Budgets. Depending on legislation, there may be a requirement to accelerate completion of the Master Plan. Source Water Protection Policies may require monitoring of combined sewer overflow outfalls within the areas of concern.

**Version Description**

This project is complete pending funding allocation

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7124000	COMMITMENT: CR660/2017 - C 193/2017: 2023 F153 \$250,000

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
2951 INTERNAL Service Salary Allocn	250,000	0	0	0	0	0	0	0	0	0	250,000
Total	250,000	0	0	0	0	0	0	0	0	0	250,000
<b>Revenues</b>											
028CF Committed Funding	0	0	0	0	0	0	0	0	0	0	0
153CF Committed Funding	250,000	0	0	0	0	0	0	0	0	0	250,000
Total	250,000	0	0	0	0	0	0	0	0	0	250,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2012	250,000	250,000	0				
		2013	200,000	200,000	0				
		2014	500,000	500,000	0				
		2015	700,000	700,000	0				
		2018	750,000	750,000	0				
		2022	250,000	250,000	0				
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2009	January 1, 2013	Growth: 25.0 % Maintenance: 75.0 %		Stacey McGuire	2023`				



# Project Version Summary

<b>Project #</b>	ECP-005-08	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Development
<b>Title</b>	Grand Marais Drain Improvements (Concrete Channel)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	Ward 10		
<b>Version Name</b>	Main (Active)		

## Project Description

The Grand Marais Drain Channel Improvements Environmental Assessment was completed in 2012. The Environmental Assessment recommended a reconstruction that would involve a variety of formats that support additional enclosure, naturalization, and expansion of recreational opportunities. The existing concrete channel between Dougall Avenue and Huron Church Road requires total replacement by 2066.

Immediate repairs to the existing concrete channel in the sections from Dominion Boulevard downstream to Huron Church Road and Dougall Avenue downstream to Bruce Avenue have been completed on an as needed basis. Further repairs beginning at Dougall Avenue were identified to be required by 2026.

The entire length of the drain is planned to be improved through this program. Implementation of the improvements identified in the EA have not begun as of 2022 and an update will be required to the EA prior to starting any works.

## Version Description

Grand Marais Drain Improvements (Concrete Channel):  
 2029: Update to Environmental Assessment - \$100,000  
     Engineering and construction - repairs from Dougall Avenue downstream to Bruce Avenue - \$920,500  
     Engineering – Repairs from Dominion Boulevard downstream to Huron Church Road - \$149,000  
 2030: Construction - Repairs from Dominion Boulevard downstream to Huron Church Road - \$1,098,420  
 2031: Engineering for Repairs from Bruce Avenue to Dominion Boulevard - \$350,000  
 2032: Phased Construction - Repairs from Bruce Avenue to Dominion Boulevard - \$800,000  
 2033+: Phased Construction - \$45,000,000

## Project Comments/Reference

7086005

## Version Comments

## Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	0	0	0	0	1,169,500	1,098,420	350,000	800,000	3,417,920
Total	0	0	0	0	0	0	1,169,500	1,098,420	350,000	800,000	3,417,920
<b>Revenues</b>											
028 Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
153 Sewer Surcharge	0	0	0	0	0	0	1,169,500	1,098,420	350,000	800,000	3,417,920
Total	0	0	0	0	0	0	1,169,500	1,098,420	350,000	800,000	3,417,920

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2008	250,000	250,000	0				
		2009	250,000	250,000	0				
		2010	500,000	500,000	0				
		2011	500,000	500,000	0				
		2016	250,000	250,000	0				
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>		<b>Est. Completion Date</b>			
2008	January 1, 2010	Growth: 0.0 % Maintenance: 0.0 %		Tom Graziano		2033 & Beyond			



# Project Version Summary

<b>Project #</b>	ECP-028-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Development
<b>Title</b>	Grand Marais Drain Rehabilitation Program (Existing Naturalized Channel)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	Ward 5, Ward 10		
<b>Version Name</b>	Main (Active)		

## Project Description

The naturalized channel of the Grand Marais Drain east of South Cameron Boulevard was the subject of an Environmental Assessment in 2012 and revision in 2015. Segments between South Cameron Boulevard and Howard Avenue and between Turner Road and Byng Road, as well the Lafarge Canada Bridge, have been implemented to date.

The remaining work to be completed between Howard Avenue and Turner Road will address conveyance capacity improvements that had been identified which will allow for the decommissioning of various temporary stormwater ponds near the drain and release of lands back to owners. Regular and ongoing maintenance of the drain and of culverts is also funded through this account, requiring sustained investment.

## Version Description

2023: Construction – E C Row to North Service Road - \$1,200,000  
 2026-2032: Phased construction for repairs and maintenance from Howard to Turner

## Project Comments/Reference

7082003

## Version Comments

## Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	0	200,250	999,750	1,300,000	650,000	150,000	300,000	0	3,600,000
Total	0	0	0	200,250	999,750	1,300,000	650,000	150,000	300,000	0	3,600,000
<b>Revenues</b>											
028 Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
153 Sewer Surcharge	0	0	0	200,250	999,750	1,300,000	650,000	150,000	300,000	0	3,600,000
Total	0	0	0	200,250	999,750	1,300,000	650,000	150,000	300,000	0	3,600,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2007	140,000	140,000	0				
		2008	735,000	735,000	0				
		2009	1,330,000	1,330,000	0				
		2014	2,000,000	2,000,000	0				
		2018	470,000	470,000	0				
		2019	1,600,000	1,600,000	0				
		2021	732,000	732,000	0				
		2022	500,000	500,000	0				
Year Identified	Start Date	Project Type for 2023		Project Lead		Est. Completion Date			
2007	January 1, 2008	Growth: 0.0 % Maintenance: 0.0 %		Tom Graziano		Ongoing`			



# Project Version Summary

<b>Project #</b>	ECP-041-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Development
<b>Title</b>	New Infrastructure Development - Cost Sharing for Infrastructure (Developer-related)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	This ongoing allotment is used to repay developers to oversize, extend or construct sewers and roads so other lands can be serviced. Any cost sharing required by developers will require the developer's patience for payment to future years as other priorities require funding. Financing charges will be incurred for any payments made to developers outside the funding available in the current year.
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<b>Version Description</b>	Funding source for City's share of oversizing and servicing for anticipated developments.
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
7035119	

<b>Project Detailed Forecast</b>												
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>	
<b>Expenses</b>												
5410 Construction Contracts - TCA	450,000	300,000	200,000	0	0	200,000	500,000	500,000	500,000	500,000	3,150,000	
Total	450,000	300,000	200,000	0	0	200,000	500,000	500,000	500,000	500,000	3,150,000	
<b>Revenues</b>												
028 Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0	
115 Dev Chg - Roads & Related	0	0	0	0	0	0	300,000	300,000	0	0	600,000	
153 Sewer Surcharge	150,000	300,000	200,000	0	0	200,000	200,000	200,000	150,000	500,000	1,900,000	
169 Pay As You Go - Capital Reserve	300,000	0	0	0	0	0	0	0	350,000	0	650,000	
Total	450,000	300,000	200,000	0	0	200,000	500,000	500,000	500,000	500,000	3,150,000	

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2007	150,000	150,000	0				
		2008	486,000	486,000	0				
		2009	250,000	250,000	0				
		2010	250,000	250,000	0				
		2011	250,000	250,000	0				
		2014	100,000	100,000	0				
		2015	250,000	250,000	0				
		2016	100,000	100,000	0				
		2017	100,000	100,000	0				
		2018	22,500	22,500	0				
		2019	755,000	755,000	0				
		2021	272,500	272,500	0				
		2022	800,000	800,000	0				
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>		<b>Est. Completion Date</b>			
2007	January 1, 2015	Growth: 100.0 % Maintenance: 0.0 %		Stacey McGuire		Ongoing`			





## Project Version Summary

<b>Project #</b>	EDG-001-11	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Development
<b>Title</b>	Lauzon Parkway & County Rd. 42 Infrastructure Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 9		
<b>Version Name</b>	Main (Active)		

### Project Description

This Project is to implement the Lauzon Parkway Environmental Assessment (EA).

The limits are Lauzon Parkway (E C Row to 401), County Road 42 (Walker to City limits) and E-W Arterial (Walker Road to County Road 17).

The construction of the Lauzon Parkway/Country Rd 42 intersection is the first phase.

Note: Improvements to the Upper Little River Stormwater Facilities (ECP-001-10) identified within this corridor are required to be completed in conjunction with this improvements noted in this project.

### Version Description

2023-2029: Design and Construction – County Rd 42 and Lauzon Parkway Intersection Realignment (total estimate = \$26.2 million)

2030-2032: Engineering – County Rd 42 from Walker Road to Lauzon Parkway

The balance of the funds required are estimated (2023 Pricing) to be;

- County Road 42 – Walker Rd to City Limits - \$70 million. This is in addition to Lauzon Pkwy & CR42 Intersection Realignment which is fully funded.
- Lauzon Pkwy - County Road 42 to Highway 401 Interchange - \$115 million

### Project Comments/Reference

7109005 (closed)  
7197000

### Version Comments

Note:  
Approval of the new hospital may require acceleration of these funds.

COMMITMENTS  
C 226/2022; CR19/2023-2023 F115 \$1,000,000

Project Detailed Forecast											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
2915 Consulting Services - External	1,000,000	0	0	0	0	0	0	0	0	0	1,000,000
5410 Construction Contracts - TCA	0	0	3,000,000	6,103,313	5,845,714	0	6,000,000	8,050,000	500,000	500,000	29,999,027
Total	1,000,000	0	3,000,000	6,103,313	5,845,714	0	6,000,000	8,050,000	500,000	500,000	30,999,027
<b>Revenues</b>											
115 Dev Chg - Roads & Related	0	0	3,000,000	5,703,313	5,247,832	0	6,000,000	8,050,000	0	0	28,001,145
115CF Committed Funding	1,000,000	0	0	0	0	0	0	0	0	0	1,000,000
117 Dev Chg - Storm & Drains	0	0	0	0	0	0	0	0	0	0	0
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
176 Canada Community-Building Fund	0	0	0	0	0	0	0	0	0	0	0
221 Service Sustainability Investm	0	0	0	400,000	597,882	0	0	0	500,000	500,000	1,997,882
Total	1,000,000	0	3,000,000	6,103,313	5,845,714	0	6,000,000	8,050,000	500,000	500,000	30,999,027

Related Projects		Historical Approved Budget				Operating Budget Impact		
Precedes		Revenue				Effective Date	Unknown	Exp/(Rev) FTE Impact
Project Title		Year	Total Expense	Net City Cost	Subsidies	Description	0	0
ECP-009-07		2011	50,000	0	50,000	Upon completion of this project, road maintenance costs due to patching and maintaining gravel shoulders will decrease. These savings, however, will be offset by other road maintenance and snow removal costs resulting from the increased surface area of Lauzon Parkway and County Rd. 42, as well as the addition of the East/West Arterial. Operating cost figures cannot be determined at this time as the project is still in its' preliminary stages, however, it is assumed that costs will be lower immediately following completion of the project and will escalate as the road ages.		
Intersection Improvements Program		2012	50,000	0	50,000			
		2013	50,000	0	50,000			
		2019	1,500,000	1,500,000	0			
		2020	1,500,000	1,500,000	0			
		2021	550,000	550,000	0			
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date			
2011	January 1, 2021	Growth: 100.0 % Maintenance: 0.0 %		Ryan Langlois	2033 & Beyond'			



## Project Version Summary

<b>Project #</b>	ENG-001-13	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Development
<b>Title</b>	Capital Rehabilitation Program for Little River Steel Retaining Walls		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	Ward 6, Ward 7		
<b>Version Name</b>	Main - Little River Steel Retaining Walls (Active)		

### Project Description

Steel retaining walls and earth dykes have been constructed along the Little River between Riverside Drive and the VIA Rail tracks beginning in 1983 to provide flood protection to the immediate neighbourhoods of the area which have high risk of overland flooding. This offers vital flood protection for over 2000 homes and the Little River Pollution Control Plant.

A condition survey and structural evaluation of the 2.5km system of Little River Steel Retaining Walls was completed in 2012. It was determined that the existing shorewall is stable and generally in good condition, however the system requires rehabilitation in order to extend service life beyond 10 years. Repairs to the retaining walls may be phased over a number of years and funding for future replacement must be considered. The consultant is currently preparing a report to recommend rehabilitation options.

In addition, it has been observed that the dykes have been breached at several residences along the Little River. Reinstatement of those breaches and restoration of the original dyke elevations is required to return to intended levels of protection. After consultation with area residents, this project is now ready to proceed.

### Version Description

2023-2032: Phased repairs to retaining wall  
 2033+: Phased replacement of retaining wall - \$20,500,000

Grant funding programs will be leveraged where possible to assist in offsetting construction costs

### Project Comments/Reference

7141019

### Version Comments

Project Detailed Forecast													
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total	
<b>Expenses</b>													
5410	Construction Contracts - TCA	600,000	500,000	400,000	0	0	1,500,000	500,000	500,000	700,000	1,300,000	6,000,000	
Total		600,000	500,000	400,000	0	0	1,500,000	500,000	500,000	700,000	1,300,000	6,000,000	
<b>Revenues</b>													
028	Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0	
153	Sewer Surcharge	600,000	500,000	400,000	0	0	500,000	500,000	500,000	500,000	750,000	4,250,000	
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	200,000	550,000	750,000	
221	Service Sustainability Investm	0	0	0	0	0	1,000,000	0	0	0	0	1,000,000	
Total		600,000	500,000	400,000	0	0	1,500,000	500,000	500,000	700,000	1,300,000	6,000,000	
<b>Related Projects</b>													
		<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
				<b>Revenue</b>				<b>Effective Date</b> Unknown		<b>Exp/(Rev) FTE Impact</b>			
		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>					<b>Description</b>		0	0
		2014	1,000,000	500,000	500,000					No Operating Budget Impact			
		2016	500,000	500,000	0								
		2017	1,000,000	1,000,000	0								
		2018	500,000	500,000	0								
		2020	1,000,000	1,000,000	0								
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>			<b>Est. Completion Date</b>						
2013	January 1, 2014	Growth: 0.0 % Maintenance: 100.0 %		Tom Graziano			2033 & Beyond'						



# Project Version Summary

<b>Project #</b>	ENG-002-16	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Development
<b>Title</b>	Improvements to Little River Municipal Drain (Lauzon Rd. to VIA Tracks)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	Ward 6, Ward 7, Ward 8		
<b>Version Name</b>	Main (Active)		

## Project Description

The Little River municipal drain is the stormwater outlet for 33% of the City’s surface area. The section from Lauzon Road to the VIA Rail right-of-way was improved to the current cross-section in 1975. A report exploring options for this section of the river using natural channel design techniques to create a sustainable river corridor was completed in 2012.

The intended design features and plantings would create a more sustainable river corridor and control sediment with an off-line pool.

A consultant has been retained to consider design options through a formal Environmental Assessment process including public consultation. On completion of the EA, implementation is required and is proposed as part of this program.

## Version Description

2024-2025: Design & Construction of the preferred solution

Grant funding programs will be leveraged where possible to assist in offsetting construction costs.

## Project Comments/Reference

7201023

## Version Comments

## Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	265,000	500,000	0	0	0	0	0	0	0	765,000
Total	0	265,000	500,000	0	0	0	0	0	0	0	765,000
<b>Revenues</b>											
028 Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
117 Dev Chg - Storm & Drains	0	255,000	425,000	0	0	0	0	0	0	0	680,000
153 Sewer Surcharge	0	10,000	75,000	0	0	0	0	0	0	0	85,000
Total	0	265,000	500,000	0	0	0	0	0	0	0	765,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2020	100,000	100,000	0			0	0
					No Operating Budget Impact				
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2016	January 1, 2020	Growth: 0.0 % Maintenance: 0.0 %		Tom Graziano	2026				



## Project Version Summary

<b>Project #</b>	ENG-002-23	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>		<b>Division</b>	Development
<b>Title</b>	LGES (NextStar Energy Inc) Electric Vehicle Battery Plant – Site Servicing		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	Ward 9		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	
<p>This project will support the successful construction of the EV Battery Plant Facility to help create good paying jobs for residents of the City of Windsor. Specifically, this project will complete the work necessary to ready the site for development, including but not limited to:</p> <ul style="list-style-type: none"> <li>Traffic Impact Study</li> <li>Archeological Assessment</li> <li>Species at Risk assessment</li> <li>Relocation of the Lachance Drain</li> <li>Roadway improvements at Twin Oaks and EC Row Ave</li> </ul> <p>The work described above must be completed between 2022 and 2024 when the plant is scheduled</p>	
<b>Version Description</b>	
Studies, ministry approvals, engineering and construction of site servicing requirements for the EV Battery Plant	
<b>Project Comments/Reference</b>	<b>Version Comments</b>
7221006	

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	7,574,810	425,190	0	0	0	0	0	0	0	0	8,000,000
Total		7,574,810	425,190	0	0	0	0	0	0	0	0	8,000,000
<b>Revenues</b>												
028	Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
140	Industrial Site Development	1,250,000	0	0	0	0	0	0	0	0	0	1,250,000
153	Sewer Surcharge	934,810	425,190	0	0	0	0	0	0	0	0	1,360,000
169	Pay As You Go - Capital Reserve	3,890,000	0	0	0	0	0	0	0	0	0	3,890,000
6310	Ontario Specific Grants	1,500,000	0	0	0	0	0	0	0	0	0	1,500,000
Total		7,574,810	425,190	0	0	0	0	0	0	0	0	8,000,000
<b>Related Projects</b>		<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>			<b>Est. Completion Date</b>					
2023		Growth: 100.0 % Maintenance: 0.0 %		Patrick Winters			2024`					





## Project Version Summary

<b>Project #</b>	ENG-003-13	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Development
<b>Title</b>	Sixth Concession Municipal Drain - Land Acquisition & Capital Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	Ward 9		
<b>Version Name</b>	Main (Active)		

### Project Description

Sixth Concession Drain provides the storm water outlet to over 900 hectares of land within the City of Windsor via approx. 4.5 km of open channel plus 1.4 km of piped drain/sewer. The condition of Baseline Road and the municipal drain along Baseline Road required emergency repairs that were completed. Additional maintenance and remediation is required to maintain service.

As part of the Upper Little River Stormwater Master Plan EA and Sandwich South Master Servicing Plan, the 6th Concession Drain is planned to be relocated and improved to provide more stable side slopes from 7th Concession Road to its outlet at the Little River. These works will be phased depending on development pressures in the Sandwich South area. The first priority is the section between 7th Concession Road and 8th Concession Road to service the East Pelton Secondary Plan area.

Due to the current condition of the 6th Concession Drain, urgent repairs to the existing drain alignment from 8th Concession Drain to the Little River are expected to proceed as the first phase of construction. Detailed design is underway with construction anticipated in 2023.

- Phase 1: Repairs from 8th Concession Road to Little River
- Phase 2: Improvements from 7th Concession to 8th Concession
- Phase 3: Phased improvements from 8th Concession to Little River

### Version Description

- 2023-2024: Phase 2 Drain improvements- 7th Concession Road to 8th Concession Road
- 2025: Engineering for Phase 3 drain improvements – 8th Concession to Little River
- 2033+: Phase 3 drain improvements (construction and land acquisition) – 8th Concession to Little River - \$6,000,000

### Project Comments/Reference

7131002

### Version Comments

Project Detailed Forecast													
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total	
<b>Expenses</b>													
5410	Construction Contracts - TCA	485,000	1,145,000	100,000	0	0	0	0	0	0	0	1,730,000	
Total		485,000	1,145,000	100,000	0	0	0	0	0	0	0	1,730,000	
<b>Revenues</b>													
028	Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0	
117	Dev Chg - Storm & Drains	0	784,000	0	0	0	0	0	0	0	0	784,000	
153	Sewer Surcharge	485,000	361,000	100,000	0	0	0	0	0	0	0	946,000	
Total		485,000	1,145,000	100,000	0	0	0	0	0	0	0	1,730,000	
<b>Related Projects</b>		<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
				<b>Revenue</b>		<b>Effective Date</b>		<b>Unknown</b>		<b>Exp/(Rev)</b>		<b>FTE Impact</b>	
		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Description</b>				<b>0</b>		<b>0</b>	
		2013	375,000	375,000	0	Depending on the final design, there may be decreased drain maintenance costs.							
		2015	400,000	400,000	0								
		2018	150,000	150,000	0								
		2019	200,000	200,000	0								
		2020	500,000	500,000	0								
		2021	200,000	200,000	0								
		2022	535,000	535,000	0								
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>		<b>Est. Completion Date</b>							
2013	January 1, 2013	Growth: 50.0 % Maintenance: 50.0 %		Shannon Mills		2033 & Beyond							



# Project Version Summary

<b>Project #</b>	ENG-003-19	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Development
<b>Title</b>	New Development- Engineering Studies and EAs		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	Ward 9		
<b>Version Name</b>	Main (Active)		

## Project Description

The Sandwich South Master Servicing Plan (SSMSP) is ongoing and has identified several additional Municipal Class EA's required for the area as development starts to proceed. Additional projects will be added following the completion of the SSMSP which is anticipated by the end of 2022.

Improvements are anticipated to be required on 9th Concession Road from County Rd 42 to Baseline to support the new hospital. An EA will be required to address growth related improvements to 9th Concession from CR42 to the City Limit. The 8th Concession Road will be considered in connection with the East Pelton development.

Remaining projects will be prioritized based on development pressures combined with needs analysis from the SSMSP.

## Version Description

2023: 9th Concession Road Environmental Assessment - \$250,000  
 2028: 8th Concession Road Environmental Assessment and additional studies as required - \$540,000

## Project Comments/Reference

7192000

## Version Comments

## Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
2915 Consulting Services - External	250,000	0	0	0	0	540,000	0	0	0	0	790,000
Total	250,000	0	0	0	0	540,000	0	0	0	0	790,000
<b>Revenues</b>											
028 Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
115 Dev Chg - Roads & Related	0	0	0	0	0	240,000	0	0	0	0	240,000
116 Dev Chg - Sanitary/Pollution	0	0	0	0	0	150,000	0	0	0	0	150,000
117 Dev Chg - Storm & Drains	0	0	0	0	0	150,000	0	0	0	0	150,000
153 Sewer Surcharge	250,000	0	0	0	0	0	0	0	0	0	250,000
Total	250,000	0	0	0	0	540,000	0	0	0	0	790,000

Related Projects		Historical Approved Budget			Operating Budget Impact														
			<table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">Total Expense</th> <th colspan="2">Revenue</th> </tr> <tr> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr> <td>2019</td> <td>1,000,000</td> <td>1,000,000</td> <td>0</td> </tr> <tr> <td>2020</td> <td>1,300,000</td> <td>1,300,000</td> <td>0</td> </tr> </tbody> </table>		Year	Total Expense	Revenue		Net City Cost	Subsidies	2019	1,000,000	1,000,000	0	2020	1,300,000	1,300,000	0	
Year	Total Expense	Revenue																	
		Net City Cost	Subsidies																
2019	1,000,000	1,000,000	0																
2020	1,300,000	1,300,000	0																
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date															
2019	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %	Stacey McGuire	2033 & Beyond															



# Project Version Summary

<b>Project #</b>	ENG-004-21	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Development
<b>Title</b>	Airport Employment Lands		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>	Ward 9		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>
<p>Servicing the Airport Employment Lands provides lease opportunities.</p> <p>The Cargo development has been complete for a few years and has seen additional land leases as a result. The existing private road is to be extended to connect to St Etienne Boulevard to the west. This will provide additional serviced land ready for lease and will relieve the traffic congestion currently experienced at Wheelton and Rhodes Drive.</p> <p>There is also opportunity for leasable land north/east of County Road 42 at 8th Concession Road. The extension of servicing and roadway north and east provides various opportunities for leasable land. The location and scope of this work will be determined in conjunction with the Sandwich South Master Servicing Plan.</p>

<b>Version Description</b>
<p>2024-2026: Cargo Rd Extension to St. Etienne - Engineering, land acquisition and construction</p> <p>2027: Engineering for new road and services north and east of the County Road 42/8th Concession intersection</p> <p>Additional funding will be required for the construction of a new road and services north and east of the County Road 42/8th Concession intersection (scope TBD)</p>

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7211060	<p>COMMITMENT:</p> <p>CR412/2021 - IN-CAMERA: 2024 F169 \$800,000</p> <p>CR444/2022 C 169/2022 2024 F169 \$1,167,000 2026 F169 \$2,298,329</p>

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	1,967,000	0	2,298,329	0	0	0	0	934,671	0	5,200,000
Total	0	1,967,000	0	2,298,329	0	0	0	0	934,671	0	5,200,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	934,671	0	934,671
169CF Committed Funding	0	1,967,000	0	2,298,329	0	0	0	0	0	0	4,265,329
Total	0	1,967,000	0	2,298,329	0	0	0	0	934,671	0	5,200,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2021		Growth: 0.0 % Maintenance: 0.0 %	Sergio Colucci	2033 & Beyond



# Project Version Summary

<b>Project #</b>	ENG-005-21	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Development
<b>Title</b>	East West Arterial Drain Diversion		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	Ward 9		
<b>Version Name</b>	Main (Active)		

**Project Description**

This project deals with the re-alignment of several existing municipal drains by creating a new municipal drain approximately 3km's in length within the corridor established adjacent to the proposed East/West Arterial Road under the Lauzon Parkway EA, the Upper Little River Stormwater Management Master Plan, and most recently under the Sandwich South Master Servicing Plan. The project limits are 7th Concession to Little River. This project needs to proceed in advance of significant development occurring within the East Pelton Secondary Plan area.

Engineering is underway. Construction is planned to be phased over multiple years while prioritizing to facilitate development opportunities.

**Version Description**

2023-2031: Construction of drain diversion and required road crossings, including land acquisitions - \$7,035,000

Project Comments/Reference	Version Comments
7215004	

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	2,000,000	2,000,000	2,000,000	0	0	0	690,000	0	345,000	0	7,035,000
	Total	2,000,000	2,000,000	2,000,000	0	0	0	690,000	0	345,000	0	7,035,000
<b>Revenues</b>												
028	Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
117	Dev Chg - Storm & Drains	0	0	0	0	0	0	567,000	0	0	0	567,000
153	Sewer Surcharge	2,000,000	2,000,000	2,000,000	0	0	0	123,000	0	345,000	0	6,468,000
	Total	2,000,000	2,000,000	2,000,000	0	0	0	690,000	0	345,000	0	7,035,000

Related Projects		Historical Approved Budget			Operating Budget Impact
			Revenue		
		Year	Total Expense	Net City Cost	Subsidies
		2021	4,000,000	4,000,000	0
		2022	2,000,000	2,000,000	0
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date	
2021		Growth: 100.0 % Maintenance: 0.0 %	Patrick Winters	2031	





# Project Version Summary

<b>Project #</b>	ENG-006-21	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Development
<b>Title</b>	Sandwich South Road Network Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 9		
<b>Version Name</b>	Main (Active)		

## Project Description

This project deals with upgrades needed to the existing Concession Roads within the Sandwich South Lands in order to support new growth anticipated to occur within the area. Required improvements have been identified within the Sandwich South Master Servicing Plan, as well as in the Sandwich South Development Charges Study.

First priorities are 9th Concession Road from County Road 42 to Baseline to support the new hospital and 7th Concession Road from County Rd 42 to the new East/West Arterial to support the East Pelton Secondary Plan area. It is anticipated that construction for these priorities will occur around 2024 which will require pre-commitment of funds.

Improvements may be required on 8th Concession Road in support of the East Pelton Secondary Plan, however the roadway is not anticipated to need to be widened until substantial buildout of the Sandwich South lands.

Future projects will be determined based on development pressures and as analyzed through needs analysis in the SSMSP

## Version Description

2028: Design of 9th Concession Rd from CR42 to City limit - \$1,500,000  
 Construction of 9th Concession Rd from CR42 to Baseline Rd - \$3,400,000  
 Design and construction of 7th Concession Rd from CR42 to E/W Arterial - \$3,100,000  
 2029-2030: Construction of 7th Concession Rd from CR42 to E/W Arterial - \$1,700,000  
 Design for 8th Concession Road from CR42 to City Limits - \$650,000

## Project Comments/Reference

7221037

## Version Comments

## Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	0	0	0	8,000,000	2,200,000	150,000	0	0	10,350,000
Total	0	0	0	0	0	8,000,000	2,200,000	150,000	0	0	10,350,000
<b>Revenues</b>											
115 Dev Chg - Roads & Related	0	0	0	0	0	8,000,000	2,200,000	150,000	0	0	10,350,000
Total	0	0	0	0	0	8,000,000	2,200,000	150,000	0	0	10,350,000

Related Projects		Historical Approved Budget			Operating Budget Impact											
		<table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">Total Expense</th> <th colspan="2">Revenue</th> </tr> <tr> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr> <td>2022</td> <td>500,000</td> <td>500,000</td> <td>0</td> </tr> </tbody> </table>			Year	Total Expense	Revenue		Net City Cost	Subsidies	2022	500,000	500,000	0		
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2022	500,000	500,000	0													
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date												
2021		Growth: 0.0 % Maintenance: 0.0 %	Stacey McGuire	2033 & Beyond												



# Project Version Summary

<b>Project #</b>	ENG-007-21	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Development
<b>Title</b>	9th Concession- Trunks Sanitary Sewer		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	Ward 9		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>
A trunk sanitary sewer servicing the overall Sandwich South Lands was installed in 2011 under ISF funding. This project relates to the installation of sub-trunk sanitary sewers needed to service the entire area as identified under the Sandwich South Master Servicing Plan.
Phase 1 – 9th Concession – CR 42 to Baseline Road Phase 2 – 9th Concession – Baseline Road to City Limits

<b>Version Description</b>
2025: Detailed design and construction costs – Phase 1 - \$2,000,000 2030: Detailed design - Phase 2 - \$1,000,000
Construction - Phase 2 - \$4,100,000 (no funding identified within the 10-year plan)

<b>Project Comments/Reference</b>	<b>Version Comments</b>

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	432,800	0	0	0	1,567,200	1,000,000	0	0	3,000,000
Total	0	0	432,800	0	0	0	1,567,200	1,000,000	0	0	3,000,000
<b>Revenues</b>											
028 Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
153 Sewer Surcharge	0	0	432,800	0	0	0	1,567,200	1,000,000	0	0	3,000,000
Total	0	0	432,800	0	0	0	1,567,200	1,000,000	0	0	3,000,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2021		Growth: 0.0 % Maintenance: 0.0 %	Stacey McGuire	2033 & Beyond



# Project Version Summary

<b>Project #</b>	ENG-009-21	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Development
<b>Title</b>	Inflow & Infiltration Program (SMP)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

This project will support the implementation of new measures relevant to inflow and infiltration reduction activities including, but not limited to, manhole sealing, proactive smoke and dye testing, and new project/technology trials. Funds may also be used to support Private Drain Connection rebates in Downspout Disconnection Areas where required. This annual funding will support smaller I/I initiatives to reduce stormwater, while larger initiatives will be part of dedicated budgets.

**Version Description**

Annual funding will support ongoing smaller I/I initiatives

Project Comments/Reference	Version Comments
7219011	

Project Detailed Forecast												
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total	
<b>Expenses</b>												
5410 Construction Contracts - TCA	175,000	175,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,925,000	
Total	175,000	175,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,925,000	
<b>Revenues</b>												
028 Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0	
153 Sewer Surcharge	175,000	175,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,925,000	
Total	175,000	175,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,925,000	

Related Projects	Historical Approved Budget				Operating Budget Impact	
	Year	Total Expense	Revenue			
			Net City Cost	Subsidies		
			2021	125,000		
2022	125,000	125,000	0			

Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
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2021		Growth: 0.0 % Maintenance: 100.0 %	Ian Wilson	Ongoing`
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# Project Version Summary

<b>Project #</b>	ENG-012-20	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Development
<b>Title</b>	Capital Improvements to East Riverside Flood Protection Dikes (SMP)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	Ward 6, Ward 7		
<b>Version Name</b>	Main (Active)		

**Project Description**

East Riverside Flood Protection Dikes were constructed along Riverside Drive from St. Rose Beach to the City boundary with the Town of Tecumseh in the 1980's. The dike system was intended to provide vital flood protection for areas potentially affected inland as far as the Via Rail corridor. The issue of flooding has increasingly become a major concern with the recent return of record high water levels on Lake St Clair. Through an FCM MCIP grant, an inventory of the existing 6km dike system and review of the existing storm sewer system identified deficiencies where the system is vulnerable to overtopping and bypassing. The East Riverside Flood Risk Assessment was completed in 2019. The infrastructure requires improvements in order to address the vulnerabilities to mitigate the risk of overland flooding.

**Version Description**

2029: Priority 1 - Backflow prevention measures at various locations where the storm sewer system crosses under the diking system \$1,750,000  
 2029-2032: Priority 2 - Phased dike improvements for area west of Little River \$4,850,000

These additional improvements are recommended with no funding identified within the 10-year plan:  
 Priority 2 – Phased dike improvements for area west of Little River - \$5,500,000  
 Priority 3 – Phased dike improvements for area east of Little River - \$11,000,000

<b>Project Comments/Reference</b>	<b>Version Comments</b>

<b>Project Detailed Forecast</b>		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5410	Construction Contracts - TCA	0	0	0	0	0	0	2,399,680	1,880,000	1,000,000	1,000,000	6,279,680
	Total	0	0	0	0	0	0	2,399,680	1,880,000	1,000,000	1,000,000	6,279,680
<b>Revenues</b>												
028	Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
153	Sewer Surcharge	0	0	0	0	0	0	500,000	500,000	1,000,000	1,000,000	3,000,000
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
221	Service Sustainability Investm	0	0	0	0	0	0	1,899,680	1,380,000	0	0	3,279,680
	Total	0	0	0	0	0	0	2,399,680	1,880,000	1,000,000	1,000,000	6,279,680

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2020	January 1, 2020	Growth: 0.0 % Maintenance: 0.0 %	Stacey McGuire	2033 & Beyond





# Project Version Summary

<b>Project #</b>	ENG-001-19	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Pollution Control
<b>Asset Type</b>	Unassigned	<b>Division</b>	Admin. - Pollution Control
<b>Title</b>	Bio-Solids / Source Organics Disposal Study		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>											
A study to review and determine the long term strategies for corporate and possible regional handling and beneficial reuse of biosolids and source separated organics.											
<b>Version Description</b>											
<b>Project Comments/Reference</b>						<b>Version Comments</b>					
<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
2915 Consulting Services - External	0	0	0	0	0	0	500,000	0	0	0	500,000
Total	0	0	0	0	0	0	500,000	0	0	0	500,000
<b>Revenues</b>											
028 Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
153 Sewer Surcharge	0	0	0	0	0	0	250,000	0	0	0	250,000
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	250,000	0	0	0	250,000
Total	0	0	0	0	0	0	500,000	0	0	0	500,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2019	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %	Chris Nepszy	TBD`



# Project Version Summary

<b>Project #</b>	ENV-001-23	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Pollution Control
<b>Asset Type</b>		<b>Division</b>	Environmental Quality Services
<b>Title</b>	Little River Landfill		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	Ward 6		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>												
Little River Landfill will require the installation of new biomonitoring wells this year.												
<b>Version Description</b>												
<b>Project Comments/Reference</b>						<b>Version Comments</b>						
Costs are estimated for 2023. Financials to be reported to Ministry.												
7231015												
<b>Project Detailed Forecast</b>												
<b>GL Account</b>		<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>												
5410	Construction Contracts - TCA	100,000	0	0	0	0	0	0	0	0	0	100,000
	Total	100,000	0	0	0	0	0	0	0	0	0	100,000
<b>Revenues</b>												
208	Pollution Control Reserve	100,000	0	0	0	0	0	0	0	0	0	100,000
	Total	100,000	0	0	0	0	0	0	0	0	0	100,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2023		Growth: 0.0 % Maintenance: 100.0 %	Jake Renaud	2023



# Project Version Summary

<b>Project #</b>	ENV-002-23	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Pollution Control
<b>Asset Type</b>		<b>Division</b>	Environmental Quality Services
<b>Title</b>	East Riverside Landfill		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	Ward 6		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>												
East Riverside Landfill will require the installation of new biomonitoring wells this year.												
<b>Version Description</b>												
<b>Project Comments/Reference</b>						<b>Version Comments</b>						
Costs are estimated for 2023. Financials to be reported to Ministry.												
7231018												
<b>Project Detailed Forecast</b>												
<b>GL Account</b>		<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>												
5410	Construction Contracts - TCA	100,000	0	0	0	0	0	0	0	0	0	100,000
	Total	100,000	0	0	0	0	0	0	0	0	0	100,000
<b>Revenues</b>												
208	Pollution Control Reserve	100,000	0	0	0	0	0	0	0	0	0	100,000
	Total	100,000	0	0	0	0	0	0	0	0	0	100,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2023		Growth: 0.0 % Maintenance: 100.0 %	Jake Renaud	2023



## Project Version Summary

<b>Project #</b>	ENV-002-08	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Pollution Control
<b>Asset Type</b>	Unassigned	<b>Division</b>	LRPCP Operations
<b>Title</b>	Little River Pollution Control Plant		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

Established for the repairs of the particular facility and other LRPCP capital related costs. Funded from the dedicated Pollution Control Reserve, Fund 208.

The account represents funding for various works including placeholders for planned and unplanned repairs on a year-by-year basis. The work anticipated and completed varies annually dependent on manpower, project scope and can span several years.

Due to the large amount of mechanical, electrical and structural infrastructure in the facility, annual funding from the Sewer Surcharge was put in place in order to address the depreciation of this infrastructure and provide for ongoing replacement, rehabilitation and repair. This ensures the reliability and integrity of the infrastructure in order to properly maintain the operation due to its critical nature.

The facility has redundancy designed and built-in so that when equipment requires repair it can be taken out of service and still maintain the overall facility capacity. However, the repair must be completed in a timely manner in order for it to be brought back into service to ensure the reliability and integrity of the overall operation. Significant portions of the equipment are at what is considered to be its normal life span (15 to 40 years), dependent on the type of equipment. As a result, it is scheduled to be replaced as preventative maintenance prior to failure.

### Version Description

2023 Capital Works: \$8,647,423

- 3- Schwing Pumps \$500,000
- UV System upgrade/replacement \$2,500,000
- Plant 1 Chemical and pipe chase \$700,000
- Misc. concrete tank and channel refurbish \$100,000
- Aeration cell refurbish / piping \$400,000
- Sluice Gate Refurbish \$240,000
- Locker Room / Lunch Room \$2,300,000
- Sludge Pumphouse Valve Replacement \$400,000
- Grit Removal Rebuild \$500,000
- Miscellaneous \$300,000
- Plant Profinet cabling for process connection \$50,000
- Odour control upgrades \$150,000
- Aeration Blower Replcment \$157,423
- EA expansion \$350,000

Project Comments/Reference	Version Comments
See Document Attached. Open: 7151016, 7169004, 7172007, 7172011, 7189008, 7189009, 7192004, 7203001, 7219005, 7219006, 7211025, 7216000, 7211026, 7211027, 7211028, 7221043, 7222004, 7232001, 7231016, 7232002, 7232003, 7231017  Closed: 7091011, 7141040, 7141039, 7161019, 7161021, 7164009, 7161019-7161022, 7172008-7172010, 7161023	

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	8,647,423	4,950,000	570,000	800,000	920,000	800,000	570,000	350,000	570,000	750,000	18,927,423
	Total	8,647,423	4,950,000	570,000	800,000	920,000	800,000	570,000	350,000	570,000	750,000	18,927,423
<b>Revenues</b>												
208	Pollution Control Reserve	8,647,423	4,950,000	570,000	800,000	920,000	800,000	570,000	350,000	570,000	750,000	18,927,423
	Total	8,647,423	4,950,000	570,000	800,000	920,000	800,000	570,000	350,000	570,000	750,000	18,927,423

Related Projects	Historical Approved Budget				Operating Budget Impact			
	Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
			Net City Cost	Subsidies				
	2008	213,000	213,000	0				
	2009	500,000	500,000	0				
	2010	350,000	350,000	0				
	2011	100,000	100,000	0				
	2012	1,396,000	1,396,000	0				
	2013	2,075,000	2,075,000	0				
	2014	1,245,000	1,245,000	0				
	2015	900,000	900,000	0				
	2016	2,030,000	2,030,000	0				
	2017	1,920,000	1,920,000	0				
	2018	1,545,000	1,545,000	0				
	2019	1,245,000	1,245,000	0				
	2020	2,200,000	2,200,000	0				
	2021	3,000,000	3,000,000	0				
	2022	1,920,000	1,920,000	0				

Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2008	January 1, 2008	Growth: 0.0 % Maintenance: 100.0 %	Various	Ongoing`



**Project Attachments  
For: 2023**

Project # ENV-002-08

Project Name: Little River Pollution Control Plant

	Project ID	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
3- Schwing Pumps	new project	\$500,000	\$200,000									\$700,000
UV System upgrade/replacement	7203001	\$2,500,000	\$2,500,000									\$5,000,000
Plant 1 Chemical and pipe chase	new project	\$700,000										\$700,000
RS Pump Rebuilds	7189009				\$50,000		\$50,000					\$100,000
PST refurbish	new project				\$200,000	\$200,000	\$200,000					\$600,000
FST refurbish	new project				\$200,000	\$200,000	\$200,000					\$600,000
Misc. concrete tank and channel refurbish	7219005	\$100,000		\$100,000		\$100,000		\$100,000		\$100,000		\$500,000
Aeration cell refurbish / piping	new project	\$400,000	\$400,000								\$400,000	\$1,200,000
Sluice Gate Refurbish	7219006	\$240,000	\$0	\$120,000		\$120,000		\$120,000		\$120,000		\$720,000
Locker Room / Lunch Room	7151016	\$2,300,000										\$2,300,000
Sludge Pumphouse Valve Replacement	7192004	\$400,000										\$400,000
Grit Removal Rebuild	new project	\$500,000	\$1,500,000									\$2,000,000
Bar Screen	7221043											\$0
Miscellaneous	7169004	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$3,250,000
Plant Profinet cabling for process connection	7216000	\$50,000	\$50,000	\$50,000	\$50,000							\$200,000
Odour control upgrades	7211027	\$150,000										\$150,000
Aeration Blower Replcement	7172011	\$157,423	\$0									
EA expansion	new project	\$350,000										
<b>Total</b>		<b>\$8,647,423</b>	<b>\$4,950,000</b>	<b>\$570,000</b>	<b>\$800,000</b>	<b>\$920,000</b>	<b>\$800,000</b>	<b>\$570,000</b>	<b>\$350,000</b>	<b>\$570,000</b>	<b>\$750,000</b>	<b>\$18,420,000</b>

**2023 Anticipated Capital Works:**

3- Schwing Pumps	to purchase replacement progressive cavity sludge pumps in the pumphouses.
UV System upgrade/replacement	Replace entire UV system including infrastructure. To build one UV system to combine flows into one building and utilize the same UV operating system for both point. To replace existing obsolete system.
Plant 1 Chemical and pipe chase	new pump chase to allow for access to underground chemical piping. Addresses hazardous spill containment and maintenance of chemical pipes.
Aeration cell refurbish / piping	As stated
Sluice Gate Refurbish	Transferred \$120K from Project 7219006 to Project 7189007. Need to replenish.
Locker Room / Lunch Room	Transferred \$120K from Project 7219006 to Project 7189007. Need to replenish.
Sludge Pumphouse Valve Replacement	contribution for funding Sludge Pumphouse No 2 valve replacement. Should get a separate Project Number as 7192004 belongs to Pumphouse No 1.
Grit Removal Rebuild	Facility upgrade to increase efficiencies and make Ministry compliance.
Miscellaneous	Miscellaneous: To address the equipment repair and replacement which occurs due to unanticipated equipment failure. This is a placeholder due to the varying nature of this work.
Plant Profinet cabling for process connection	Plant Profinet cabling for process connection: Required to allow Plant communications to process to be upgraded and allow monitoring and back-up from LRWRP.
Odour control upgrades	Improvements and upgrades to H2S odour control system
Aeration Blower Replcement	transferred to 7192004 LRPCP Sludge Pumphouse Valve for tender 57-22. Need to replenish.
EA expansion	As stated



## Project Version Summary

<b>Project #</b>	ENV-001-08	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Pollution Control
<b>Asset Type</b>	Unassigned	<b>Division</b>	LRWRP Operations
<b>Title</b>	Lou Romano Water Reclamation Plant		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

The project was established for repairs to the particular facility and other LRWRP capital related costs. It is funded from the dedicated Pollution Control Reserve, Fund 208.

The account represents funding for various works including placeholders for planned and unplanned repairs on a year-by-year basis. The work anticipated and completed varies annually dependent on manpower, project scope and can span several years.

Due to the large amount of mechanical, electrical and structural infrastructure in the facility, annual funding from the Sewer Surcharge was put in place in order to address the depreciation of this infrastructure and provide for ongoing replacement, rehabilitation and repair. This ensures the reliability and integrity of the infrastructure in order to properly maintain the operation due to its critical nature.

The facility has redundancy designed and built-in so that when equipment requires repair it can be taken out of service and still maintain the overall facility capacity. However, the repair must be completed in a timely manner in order for it to be brought back into service to ensure the reliability and integrity of the overall operation. Significant portions of the equipment are at what is considered to be its normal life span (15 to 40 years), dependent on the type of equipment. As a result, it is scheduled to be replaced as preventative maintenance prior to failure.

Version Description		
2023 Capital Works: \$5,388,000 HVAC units \$100,000 BAF Process Turbo Air Blowers \$100,000 BAF Cell Concrete Repairs \$300,000 RS Pump Rebuilds (For RS3 &RS 4) \$60,000 SCADA Equipment \$20,000 Bar Screens Rakes and Conveyors \$75,000 Fine Screens \$100,000 MPH Install new motors and VFDs for RS3 & RS4 \$350,000 Channel Refurbishment \$250,000 BAF Cell Refurbishment \$400,000 BAF Valve replacement \$233,000 BAF - BWT1 & BWT2 VFD replacement \$150,000 UV Module Replacement \$50,000 Sluice Gate Refurbishment \$100,000 Inlet Refurbishment \$200,000 Grit Building Cyclone Neoprene Liners \$20,000 Centrifuge 2 and 3 Gearbox Replacement \$130,000 Centrifuge Rebuilds (1, 2 and 3) \$100,000 Dewatering Hopper Unload \$150,000 Dewatering Makeup Air Unit \$350,000 Miscellaneous \$300,000 New Centrifuges \$250,000 Main Pumphouse - Elimination Confined Space \$1,500,000 Fire Safety Upgrades \$100,000		
Project Comments/Reference	Version Comments	
See Document Attached. Open: 7161007, 7169002, 7172001, 7172002, 7172003, 7172006, 7189007, 7189008, 7191027, 7191028, 7191029, 7202000, 7202001, 7203000, 7161069, 7181037, 7189005, 7211022, 7211024, 7211043, 7212001, 7212003, 7212004, 7212005, 7213000, 7213001, 7219004, 7222002, 7221040, 7223002, 7222003, 7221041, 7221042, 7231011, 7232000, 7231012, 7231013, 7231014, 7235002, 7233001  Closed: 7091009, 7141036, 7141037, 7141038, 7161006, 7152002, 7141035, 7172004, 7172005, 7189004, 7189006, 7212002, 7211021, 7211023		

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	5,388,000	3,215,000	2,120,000	2,503,000	1,420,000	2,395,000	1,028,000	2,020,000	3,570,000	1,703,000	25,362,000
Total		5,388,000	3,215,000	2,120,000	2,503,000	1,420,000	2,395,000	1,028,000	2,020,000	3,570,000	1,703,000	25,362,000
<b>Revenues</b>												
208	Pollution Control Reserve	5,388,000	3,215,000	2,120,000	2,503,000	1,420,000	2,395,000	1,028,000	2,020,000	3,570,000	1,703,000	25,362,000
Total		5,388,000	3,215,000	2,120,000	2,503,000	1,420,000	2,395,000	1,028,000	2,020,000	3,570,000	1,703,000	25,362,000

Related Projects		Historical Approved Budget				Operating Budget Impact						
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact		
					Total Expense	Net City Cost					Subsidies	
					2008	250,000	250,000	0				
					2009	100,000	100,000	0				
					2010	100,000	100,000	0				
					2011	1,600,000	1,600,000	0				
					2012	1,000,000	1,000,000	0				
					2013	1,550,000	1,550,000	0				
					2014	2,200,000	2,200,000	0				
					2015	650,000	650,000	0				
					2016	2,250,000	2,250,000	0				
					2017	2,105,000	2,105,000	0				
					2018	2,605,000	2,605,000	0				
					2019	4,840,000	4,840,000	0				
					2020	2,350,000	2,350,000	0				
					2021	4,455,000	4,455,000	0				
					2022	4,065,000	4,065,000	0				
					Description						0	0
					These works are all related to replacement and refurbishment of existing equipment and are expected to result in decreased maintenance costs.							

**Project Attachments  
For: 2023**

Project # ENV-001-08

Project Name: Lou Romano Water Reclamation Plant

	Project ID	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
Lab equipment	7172001								\$200,000			\$200,000
HVAC units	7212001	\$100,000										\$100,000
BAF Process Turbo Air Blowers	Future proje	\$100,000				\$100,000				\$100,000		\$300,000
BAF Cell Concrete Repairs	7213000	\$300,000	\$300,000									\$600,000
RS Pump Rebuilds (For RS3 &RS 4)	7211043	\$60,000								\$500,000		\$560,000
Variable Speed Drives	Future project						\$200,000					\$200,000
SCADA Equipment	7191027	\$20,000	\$20,000				\$225,000				\$225,000	\$490,000
Bar Screens Rakes and Conveyors	Future proje	\$75,000	\$75,000						\$100,000	\$100,000		\$350,000
Fine Screens	Future proje	\$100,000			\$100,000			\$75,000			\$75,000	\$350,000
BAF FCS spare screen or alternate	Future project			\$200,000								\$200,000
PST refurbish (No 3 rake arm 2022)	7222002		\$600,000		\$800,000		\$800,000			\$800,000		\$3,000,000
Main Pumphouse Valves and Actuators	7141035		\$200,000									\$200,000
MPH Install new motors and VFDs for RS3 & RS4	7189005	\$350,000										\$350,000
Channel Refurbishment	Future proje	\$250,000			\$350,000							\$600,000
BAF Cell Refurbishment	Future proje	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$500,000	\$500,000	\$500,000	\$4,300,000
BAF Valve replacement	7191028	\$233,000	\$100,000	\$100,000	\$233,000	\$100,000	\$100,000	\$133,000			\$133,000	\$1,132,000
BAF - BWT1 & BWT2 VFD replacement	7212003	\$150,000								\$150,000	\$150,000	\$450,000
UV Module Replacement	7189007	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$500,000
Sluice Gate Refurbishment	Future proje	\$100,000										\$100,000
Inlet Refurbishment	Future proje	\$200,000				\$200,000					\$200,000	\$600,000
Main Pumphouse Piping	Future project			\$500,000						\$1,000,000		\$1,500,000
Grit Building Cyclone Neoprene Liners	7219004	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$200,000
Centrifuge 2 and 3 Gearbox Replacement	7172006	\$130,000										\$130,000
Centrifuge Rebuilds (1, 2 and 3)	7221040	\$100,000	\$100,000									\$200,000
PEP Refurbishment	Future project								\$800,000			\$800,000
Metering Chamber - Side 2	Future project		\$250,000									\$250,000
Parking Lot Rehabilitation	7202001		\$200,000									\$200,000
Dewatering Hopper Unload	7203000	\$150,000	\$150,000	\$150,000								\$450,000
Dewatering Makeup Air Unit	7221041	\$350,000	\$100,000									\$450,000
Miscellaneous	7169002	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$3,250,000
New Centrifuges	Future proje	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000					\$1,500,000
Main Pumphouse - Elimination Confined Space		\$1,500,000										
Fire Safety Upgrades		\$100,000	\$100,000	\$150,000								
Grit Equipment Rebuilds / Replacements												
<b>Total</b>		<b>\$5,388,000</b>	<b>\$3,215,000</b>	<b>\$2,120,000</b>	<b>\$2,503,000</b>	<b>\$1,420,000</b>	<b>\$2,395,000</b>	<b>\$1,028,000</b>	<b>\$2,020,000</b>	<b>\$3,570,000</b>	<b>\$1,703,000</b>	<b>\$23,512,000</b>

**2023 Anticipated Capital Works:**

HVAC units	HVAC Units: Heating and ventilating units in dewatering and Lab are past end of life.
BAF Process Turbo Air Blowers	Maintenance – Regular Overhaul
BAF Cell Concrete Repairs	BAF Cell Concrete Repairs: wiers of the 16 BAF Cells require repair of the concrete due to biological attack of surfaces. tender came in higher.
RS Pump Rebuilds (For RS3 &RS 4)	RS Pump Rebuilds: Raw Sewage Pumps are over 50 years old and require full refurbishment. This is ongoiq funding for a large task.
SCADA Equipment	Upgrading instruments and sensors for communications with upgraded SCADA system
Bar Screens Rakes and Conveyors	Need to purchase emergency replacement parts. Vital equipment that department needs to have handy. Replacement would take 6-8 weeks if lucky and need to have on hand.
Fine Screens	Replacement in kind
PST refurbish (No 3 rake arm 2022)	Primary Settling Tank No. 3 rake arm is corrodaed and requires maintenance and partial replacement
Main Pumphouse Valves and Actuators	Main Pumphouse Valves and Actuators: Valves are over 50 years old ad are leaking and not holding back flows. Reliability in question.
MPH Install new motors and VFDs for RS3 & RS4	Refurbishment and upgrade to existing 60 yr old motors. Upgrading controls with variable frequency drives to operate more efficiently.
Channel Refurbishment	maintenance and recoating of portion of channels
BAF Cell Refurbishment	Every year, 2 need to be replaced minimum. \$400k for a pair.
BAF Valve replacement	Existing mild steel valves have all corroded and are leaking. Require replacement with stainless steel.
BAF - BWT1 & BWT2 VFD replacement	BAF - BWT1 & BWT2 VFD replacement : Variable frequency drive installation to mainatin uniform flow during process and will reduce energy costs. (Typical for VFDs). backwash waste tank 1 and 2. not enough r
UV Module Replacement	annual contribution to maintenance of the UV Modules
Sluice Gate Refurbishment	annual maintenance contribution to sluice gate refurbishment (flow share)
Inlet Refurbishment	scope to be defined. May be able to combine with MPH Confined Space project
Grit Building Cyclone Neoprene Liners	Grit Building Cyclone Neoprene Liners : liners in grit cyclone separators require replacement due to abbrasion in the process.
Centrifuge 2 and 3 Gearbox Replacement	Centrifuge gearboxes are failing regularly and require upgrade to more robust drive capable of handling higher operating torque
Centrifuge Rebuilds (1, 2 and 3)	Rebuilding is part of equipment maintenance due to the nature of the operation
Dewatering Hopper Unload	Sludge cake unloading hoppers require regular refurbishing due the nature of the process and the environment (wet and H2S attack)
Dewatering Makeup Air Unit	Unit is at end of life and requires replacement. 2023 Top floor dewatering (operating centrifuge level). 2024 ground level *pumproom level) replacement.
Miscellaneous	Miscellaneous: To address the equipment repair and replacement which occurs due to unanticipated equipment failure. This is a placeholder due to the varying nature of this work.
New Centrifuges	placeholder contribution to fund replacement centrifuges
Main Pumphouse - Elimination Confined Space	to eliminate confined space requirements for working in the course bar screen area of the MPH – critical H & S issue
Fire Safety Upgrades	Contribution for addressing the Hot Work area in the mechanic's shop and well as security of Plant Server



## Project Version Summary

<b>Project #</b>	ENV-003-08	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Pollution Control
<b>Asset Type</b>	Unassigned	<b>Division</b>	Pumping Station Operations
<b>Title</b>	Pumping Stations Maintenance		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

Established for repairs to various pumping station facilities and other capital related costs. Funded from the dedicated Pollution Control Reserve, Fund 208.

The account represents funding for various works including placeholders for planned and unplanned repairs on a year-by-year basis. The work anticipated and completed varies annually dependent on manpower, project scope and can span several years.

Due to the large amount of mechanical, electrical and structural infrastructure in the facilities, annual funding from the Sewer Surcharge was put in place in order to address the depreciation of this infrastructure and provide for ongoing replacement, rehabilitation and repair. This ensures the reliability and integrity of the infrastructure in order to properly maintain operations due to their critical nature.

The facilities have redundancy designed and built-in so that when equipment requires repair, they can be taken out of service and still maintain the overall facility capacity. However, repairs must be completed in a timely manner in order for it to be brought back into service to ensure the reliability and integrity of the overall operation. Significant portions of the equipment are at what is considered to be its normal life span (15 to 40 years), dependent on the type of equipment. As a result, it is scheduled to be replaced as preventative maintenance prior to failure.

### Version Description

2023 Capital Works: \$1,625,000  
 Woods (Caron): Bypass Gates / Inlet Valve \$200,000  
 Woods (Caron): Building maintenance \$50,000  
 Woods (Caron): Underground diesel tank \$100,000  
 Clairview: Pump Rebuild \$50,000  
 Clairview: Pump Duty \$50,000  
 Janette/Charl: Pumps/Diesel/MCC \$100,000  
 Lakeview/Blue Heron Pond: Dredging \$400,000  
 Provincial (Legacy): pumps \$30,000  
 Walker: pumps \$100,000  
 Walker: dredging \$200,000  
 General: PLC upgrades \$100,000  
 General: Pump/Pipe thickness testing \$25,000  
 General: Miscellaneous \$200,000  
 General: Southwood Lakes Algae Harvesting \$20,000

Project Comments/Reference	Version Comments
See Document Attached. Open: 7141042, 7169003, 7169004, 7189010, 7214000, 7219007, 7216001, 7212006, 7211029, 7212009, 7221044, 7222005, 7221045, 7222006, 7221046, 7224000, 7221047, 7223003, 7231019, 7231020, 7231021, 7235003  Closed: 7091010/7162003/7162004/7172012/7172013/7192005/7192006/7219008	

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	1,625,000	1,500,000	1,630,000	780,000	220,000	320,000	320,000	820,000	520,000	345,000	8,080,000
	Total	1,625,000	1,500,000	1,630,000	780,000	220,000	320,000	320,000	820,000	520,000	345,000	8,080,000
<b>Revenues</b>												
208	Pollution Control Reserve	1,625,000	1,500,000	1,630,000	780,000	220,000	320,000	320,000	820,000	520,000	345,000	8,080,000
	Total	1,625,000	1,500,000	1,630,000	780,000	220,000	320,000	320,000	820,000	520,000	345,000	8,080,000

Related Projects	Historical Approved Budget				Operating Budget Impact		
	Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev) FTE Impact
			Net City Cost	Subsidies			
	2008	150,000	150,000	0			0
	2009	225,000	225,000	0			0
	2010	410,000	410,000	0			0
	2011	100,000	100,000	0			0
	2012	595,000	595,000	0			0
	2013	1,005,000	1,005,000	0			0
	2014	970,000	970,000	0			0
	2015	525,000	525,000	0			0
	2016	400,000	400,000	0			0
	2017	1,400,000	1,400,000	0			0
	2018	800,000	800,000	0			0
	2019	750,000	750,000	0			0
	2020	250,000	250,000	0			0
	2021	710,000	710,000	0			0
	2022	1,560,000	1,560,000	0			0

Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2008	January 1, 2008	Growth: 0.0 % Maintenance: 100.0 %	Various	Ongoing`

**Project Attachments  
For: 2023**

Project # ENV-003-08

Project Name: Pumping Stations

Capital Project	Project IDs	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Ambassador/Ojibway</b>												
Pumps/Diesel				\$130,000								\$130,000
MCC/Controls				\$100,000								\$100,000
<b>Aspen Lake</b>												
Dredging				\$250,000								\$250,000
<b>Woods (Caron)</b>												
Pump Rebuild/Replacement	7189010		\$200,000		\$200,000							\$400,000
Replace Actuators / Valves/Inspection				\$100,000								\$100,000
Bypass Gates / Inlet Valve		\$200,000										\$200,000
Building maintenance		\$50,000	\$50,000	\$200,000								\$300,000
Underground diesel tank	7221044	\$100,000										\$100,000
<b>Clairview</b>												
Pump Rebuild - low priority	7214000	\$50,000	\$50,000									\$100,000
Pump Duty		\$50,000	\$50,000									\$100,000
<b>Drouillard</b>												
MCC upgrade/replacement	7222005											\$0
<b>East Banwell</b>												
dredging/cleaning				\$50,000								\$50,000
<b>Grand Marais</b>												
diesel driven pump	7221045											\$0
<b>Howard Grade</b>												
pumps	7219007				\$160,000							\$160,000
dredging								\$200,000				\$200,000
<b>Huron Estates</b>												
Pumps/Diesel			\$100,000									\$100,000
<b>Janette/Charl</b>												
Pumps/Diesel/MCC	7216001	\$100,000			\$200,000							\$300,000
<b>Jefferson</b>												
Pumps/Diesel			\$200,000									\$200,000
<b>Lakeview/Blue Heron Pond</b>												
Dredging		\$400,000										\$400,000
<b>Maplewood</b>												
Grating, Hatches, and Painting	7212006											\$0
<b>Pontiac</b>												
Diesel / MCC	7222006	\$0										\$0
Screw pump refurbishment		\$0										\$0
<b>Primord</b>												
Duty selection	7221046											\$0
<b>Provincial (Legacy)</b>												
pumps	7224000	\$30,000	\$30,000									\$60,000
clean underground storage					\$80,000							



**Project Attachments  
For: 2023**

**Project # ENV-003-08**

**Project Name: Pumping Stations**

Capital Project	Project IDs	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Peter St</b>												
<b>St. Paul</b>												
<b>Walker</b>												
pumps	New project	\$100,000										\$100,000
dredging	New project	\$200,000										\$200,000
<b>Wellington</b>												
diesel / mcc upgrade / replacement	7221047		\$500,000									\$500,000
spare pump #2												\$0
<b>Ypres</b>												
pumps									\$100,000			\$100,000
diesel / mcc				\$500,000								\$500,000

**Project Attachments  
For: 2023**

**Project # ENV-003-08**

**Project Name: Pumping Stations**

Capital Project	Project IDs	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>General</b>												
PLC upgrades	7169003	\$100,000	\$100,000						\$200,000	\$200,000		\$600,000
SCADAPak Upgrades	7169003										\$25,000	
Pump/Pipe thickness testing	7169003	\$25,000										\$25,000
Miscellaneous	7169003	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$2,500,000
Southwood Lakes Algea Harvesting	7169003	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	
		<b>\$1,625,000</b>	<b>\$1,500,000</b>	<b>\$1,630,000</b>	<b>\$780,000</b>	<b>\$220,000</b>	<b>\$320,000</b>	<b>\$320,000</b>	<b>\$820,000</b>	<b>\$520,000</b>	<b>\$345,000</b>	<b>\$7,855,000</b>

**2023 Anticipated Capital Works:**

Woods (Caron)	contribution towards gate refurbishment. Will require more funding. contribution to U/G tank replacement project currently in design
Clairview	contribution towards pump rebuilding and for installing duty selection on pumps
Janette/Charl	ATS replacement.
Lakeview/Blue Heron Pond	Dredging
Provincial (Legacy)	placeholder for future work
Walker	study to address rehabilitation works and pump replacements
PLC upgrades	displays, scada and communication (telemetry) upgrades
Pump/Pipe thickness testing	as stated
Miscellaneous	general repairs
Southwood Lakes Algea Harvesting	External contractor to rake and collect and harvest the algea for disposal. Public has complained about the smell, this work would help reduce the smell.



# Project Version Summary

<b>Project #</b>	ECB-030-18	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Wyandotte St. - St. Rose to Janisse - Repair WB, Reconstruct EB		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 6		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 On Tues. Jan. 16th, 2018, City Council approved the 2018 Enhanced Capital Budget Plan for a number of specific projects in the form of placeholder allocations subject to detailed reports to be prepared for Council's consideration.

**Version Description**  
 Repair and reconstruction work completed in 2019.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7183019	COMMITMENT: CR4/2019 - C 217/2018: 2023 F221 \$440,000

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	440,000	0	0	0	0	0	0	0	0	0	440,000
Total	440,000	0	0	0	0	0	0	0	0	0	440,000
<b>Revenues</b>											
221CF Committed Funding	440,000	0	0	0	0	0	0	0	0	0	440,000
Total	440,000	0	0	0	0	0	0	0	0	0	440,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>	<b>Operating Budget Impact</b>

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2018	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %	Phong Nguy	2019`
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# Project Version Summary

<b>Project #</b>	ECB-031-18	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Courtland Cres. - South National to South National - Mill and Pave		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 7		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 On Tues. Jan. 16th, 2018, City Council approved the 2018 Enhanced Capital Budget Plan for a number of specific projects in the form of placeholder allocations subject to detailed reports to be prepared for Council's consideration.

**Version Description**  
 Mill and pave work completed in 2020.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7183020	COMMITMENT: CR4/2019 - C 217/2018: 2023 F221 \$120,000

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	120,000	0	0	0	0	0	0	0	0	0	120,000
Total	120,000	0	0	0	0	0	0	0	0	0	120,000
<b>Revenues</b>											
221CF Committed Funding	120,000	0	0	0	0	0	0	0	0	0	120,000
Total	120,000	0	0	0	0	0	0	0	0	0	120,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>	<b>Operating Budget Impact</b>

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2018	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %	Phong Nguy	2020`
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# Project Version Summary

<b>Project #</b>	ECB-032-18	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Annie St. - Tecumseh to Cul-de-sac - Mill and Pave		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 8		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 On Tues. Jan. 16th, 2018, City Council approved the 2018 Enhanced Capital Budget Plan for a number of specific projects in the form of placeholder allocations subject to detailed reports to be prepared for Council's consideration.

**Version Description**  
 Mill and pave work completed in 2020.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7183021	COMMITMENT: CR4/2019 - C 217/2018: 2023 F221 \$90,000

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	90,000	0	0	0	0	0	0	0	0	0	90,000
Total	90,000	0	0	0	0	0	0	0	0	0	90,000
<b>Revenues</b>											
221CF Committed Funding	90,000	0	0	0	0	0	0	0	0	0	90,000
Total	90,000	0	0	0	0	0	0	0	0	0	90,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>	<b>Operating Budget Impact</b>

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2018	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %	Phong Nguy	2020`
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# Project Version Summary

<b>Project #</b>	ENG-006-23	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Local Residential Road Rehabilitation		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	Per B2/2023, Council approved the implementation of an annual Asset Management Plan (AMP) levy increase of 0.25% to enhance service levels related to Local Residential Roads. Administration will prepare a future report for the Environment, Transportation & Public Safety Committee outlining specific strategies and rationale for local rehabilitation selection and prioritization.											
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<b>Version Description</b>												
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<b>Project Comments/Reference</b>				<b>Version Comments</b>								
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<b>Project Detailed Forecast</b>												
<b>GL Account</b>		<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>												
5410	Construction Contracts - TCA	1,095,241	2,190,481	3,285,722	4,380,962	4,380,962	4,380,962	4,380,962	4,380,962	4,380,962	4,380,962	37,238,178
	Total	1,095,241	2,190,481	3,285,722	4,380,962	4,380,962	4,380,962	4,380,962	4,380,962	4,380,962	4,380,962	37,238,178
<b>Revenues</b>												
221	Service Sustainability Investm	1,095,241	2,190,481	3,285,722	4,380,962	4,380,962	4,380,962	4,380,962	4,380,962	4,380,962	4,380,962	37,238,178
	Total	1,095,241	2,190,481	3,285,722	4,380,962	4,380,962	4,380,962	4,380,962	4,380,962	4,380,962	4,380,962	37,238,178

<b>Related Projects</b>	<b>Historical Approved Budget</b>			<b>Operating Budget Impact</b>							

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2023	January 1, 2023	Growth: 0.0 % Maintenance: 100.0 %	Shawna Boakes	TBD`
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# Project Version Summary

<b>Project #</b>	ENG-007-16	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Basement Flooding Abatement Measures		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

## Project Description

This project will merge the following five programs, which used to be separate projects in the Capital Budget, into one project:

- Closed Circuit Television (CCTV) Program – to evaluate sewer conditions and assist in capital planning
- Smoke & Dye Testing Program – to identify infiltration and cross connection issues for identification of repairs required to reduce basement flooding
- Small Sewer Repairs Program – to address numerous small deficiencies identified in the sewer system which, if left unchecked, can manifest into sinkholes and larger repairs
- Basement Flooding Mitigation Measures Program – for the implementation of a downspout disconnection program and investing in live flow monitoring equipment
- Basement Flooding Prevention Subsidy Program – to install backwater valves and/or sump pumps in areas subject to, or are susceptible to, basement flooding and help subsidize homeowners for part of the associated costs.

Beginning in 2020, Administration established a trunk sewer inspection program and an annual zoom cyclical program in addition to the existing programs outlined above.

## Version Description

Work continues for the various programs within this project with planning for the coordination of road rehabilitation work with sewer relining work ongoing.

Beginning in 2022, Administration established a culvert relining program on E.C. Row. This is a 10-year program.  
Beginning in 2023, Administration is planning to start a long-term storm sewer outfall relining program. This will be an ongoing program.

## Project Comments/Reference

7169001

## Version Comments

This project consolidates the following previously approved projects into one program:

- 1) OPS-008-07 Closed Circuit Television (CCTV)
- 2) OPS-003-10 Small Sewer Repairs
- 3) ECP-001-12 Basement Flooding Mitigation Measures
- 4) EIT-002-11 Basement Flooding Prevention Subsidy Program

## Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,514,750	4,658,000	45,172,750
Total	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,514,750	4,658,000	45,172,750
<b>Revenues</b>											
028 Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
153 Sewer Surcharge	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,514,750	4,658,000	45,172,750
Total	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,514,750	4,658,000	45,172,750

Related Projects		Historical Approved Budget			Operating Budget Impact					
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE	Impact
				Net City Cost	Subsidies					
		2016	2,630,000	2,630,000	0					
		2017	2,500,000	2,500,000	0					
		2018	2,700,000	2,700,000	0					
		2019	3,227,751	3,227,751	0					
		2020	4,687,751	4,687,751	0					
		2021	4,450,000	4,450,000	0					
		2022	4,500,000	4,500,000	0					
		<p>This capital program budget allows for trenchless repairs of sewer deficiencies identified during CCTV and Zoom inspections of our sewer infrastructure. If deficiencies require extensive remedial work due to collapses or unmoveable obstructions, then the remedial action will be undertaken through the operational budget. Rehabilitation or remedial action undertaken under this capital program will allow work to be undertaken utilizing trenchless technology methods to expedite the required work with minimal surface disruptions. It will increase the life cycle of the infrastructure and can lead to decreased operation budget expenses as the remedial action could be undertaken using this projects funding before total failure of the infrastructure leading to collapse or total blockage which can only then be repaired or rehabilitated using methods other then trenchless methods.</p>								
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date					
2016	January 1, 2016	Growth: 0.0 % Maintenance: 100.0 %	Phong Nguy / Andrew Lewis		Ongoing`					



## Project Version Summary

<b>Project #</b>	OPS-001-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Road Rehabilitation - Various Locations Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

Citywide rehabilitation and reconstruction of existing paved roads comprises of 1,071 km (2380 lane km) including the E.C. Row Expressway. As of June 2022, 19.9% of the road system is rated 'Now' Deficient. The estimated replacement value of roads is approximately \$2.11 billion. Industry standard life cycle is 35 years. Based on a 35-year replacement cycle, the perpetual annual cost for the replacement of this infrastructure is approximately \$50-\$60 million. It should be noted that years 2023 and beyond are based on current assessed condition and applied asset management. A listing of planned projects is included in the appendices. Depending on tender pricing, additional roads may be able to be added or some may need to be pushed to future years. Given the limited options with minor surplus funding, it may create an opportunity for smaller sections of local roads to be addressed sooner than planned.

### Version Description

2023: Citywide Rehab (excl EC Row Rehab) = \$10,092,341 / EC Row Rehab = \$2,000,000  
 2024: Citywide Rehab (excl EC Row Rehab) = \$14,623,967 / EC Row Rehab = \$2,000,000  
 2025: Citywide Rehab (excl EC Row Rehab) = \$16,255,201 / EC Row Rehab = \$2,000,000  
 2026: Citywide Rehab (excl EC Row Rehab) = \$ 7,671,462 / EC Row Rehab = \$1,500,000  
 2027: Citywide Rehab (excl EC Row Rehab) = \$11,750,396 / EC Row Rehab = \$ 500,000  
 2028: Citywide Rehab (excl EC Row Rehab) = \$18,645,000 / EC Row Rehab = tbd  
 2029: Citywide Rehab (excl EC Row Rehab) = \$18,645,000 / EC Row Rehab = tbd  
 2030: Citywide Rehab (excl EC Row Rehab) = \$18,645,000 / EC Row Rehab = tbd  
 2031: Citywide Rehab (excl EC Row Rehab) = \$22,880,060 / EC Row Rehab = tbd  
 2032: Citywide Rehab (excl EC Row Rehab) = \$21,780,000 / EC Row Rehab = tbd

Note: Sewer and watermain information need to be taken into consideration prior to commencing any project. This includes consideration of any construction plans by utility companies as well as any change in dictated priorities that may ensue as time goes by.

### Project Comments/Reference

See Document Attached  
 (Closed: 7081001, 7091002, 7101001, 7111001, 7121001, 7131110, 7141025, 7151003, 7161027, 7171016, 7181024, 7181040)  
 Active: 7185001, 7201002, 7192010, 7201029, 7211000, 7221001, 7231000

### Version Comments

COMMITMENT:  
 CR218/2021 C 57/2021: 2024 F221 \$2 870,399  
 CR331/2022 C 119/2022: 2023 F176 \$2,401,536

NOTE:  
 Per CR16/2021, C 251/2020-Federal Gas Tax (Fund 176) funding identified and committed for the Connecting Links – Intake 5 (OPS-009-20) project has been exchanged for an equivalent amount of Service Sustainability (Fund 221) funding in the City-wide Road Rehabilitation (OPS-001-07) for the following amounts: 2021-\$915,000, 2022-\$915,000, 2023-\$919,930

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	12,092,341	16,623,967	18,255,201	9,171,462	12,250,396	18,645,000	18,645,000	18,645,000	22,880,060	21,780,000	168,988,427
Total		12,092,341	16,623,967	18,255,201	9,171,462	12,250,396	18,645,000	18,645,000	18,645,000	22,880,060	21,780,000	168,988,427
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	101,961	101,961
176	Canada Community-Building Fund	8,766,984	10,671,734	7,912,800	8,422,000	11,746,110	11,263,312	12,926,250	10,032,442	9,897,000	13,776,301	105,414,933
176CF	Committed Funding	2,401,536	0	0	0	0	0	0	0	0	0	2,401,536
221	Service Sustainability Investm	923,821	3,081,834	10,342,401	749,462	504,286	7,381,688	5,718,750	8,612,558	12,983,060	7,901,738	58,199,598
221CF	Committed Funding	0	2,870,399	0	0	0	0	0	0	0	0	2,870,399
Total		12,092,341	16,623,967	18,255,201	9,171,462	12,250,396	18,645,000	18,645,000	18,645,000	22,880,060	21,780,000	168,988,427
<b>Related Projects</b>		<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>						
				<b>Revenue</b>				<b>Effective Date</b>	Unknown	<b>Exp/(Rev)</b>		<b>FTE Impact</b>
		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Description</b>				0	0	
		2007	4,450,000	4,450,000	0	Any budget deferral in approved funding will result in an increase in the operating budget for temporary repairs and maintenance.						
		2008	10,658,000	10,658,000	0							
		2009	16,200,000	16,200,000	0							
		2010	16,200,000	16,200,000	0							
		2011	8,217,000	8,217,000	0							
		2012	2,404,300	904,300	1,500,000							
		2013	4,000,000	4,000,000	0							
		2014	7,637,000	7,637,000	0							
		2015	6,364,810	6,364,810	0							
		2016	7,787,000	7,787,000	0							
		2017	7,787,000	7,787,000	0							
		2018	8,887,000	8,887,000	0							
		2019	9,152,263	9,152,263	0							
		2020	10,302,074	10,302,074	0							
		2021	13,086,805	12,831,560	255,245							
		2022	15,763,424	15,763,424	0							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>			<b>Est. Completion Date</b>					
2007	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %		Phong Nguy / Charles Hartford			Ongoing`					

<b>PROPOSED 2023 ROAD REHABILITATION PROGRAM</b>				
<b>ITEM NO.</b>	<b>STREET</b>	<b>FROM</b>	<b>TO</b>	<b>REHAB. TYPE</b>
1	WINDSOR AVE	ERIE ST	GILES BLVD	M
2	MCEWAN AVE	RIVERSIDE DR W	UNIVERSITY AVE	M
3	GOYEAU BLVD	ERIE ST	ELLIOTT ST	M
4	GOYEAU BLVD	GILES BLVD	ELLIS ST	M
5	MATCHETTE RD	MELBOURNE	PRINCE	R
6	MELBOURNE RD	MATCHETTE RD	FELIX AVE	R
7	LILLIAN AVE	GILES BLVD	ALLENDALE ST	R
8	ALLENDALE ST	LILLIAN AVE	HOWARD AVE	R
9	OTTAWA ST	KILDARE RD	ARGYLE RD	M
10	BELLE ISLE VIEW	WYANDOTTE ST E	NORTH LIMITS	M
<b>TOTAL CITY WIDE REHABILITATION</b>			<b>\$ 10,092,341</b>	
<b>E.C. ROW REHABILITATION</b>			<b>\$ 2,000,000</b>	
<b>TOTAL PROGRAM BUDGET</b>			<b>\$ 12,092,341</b>	

<b>M</b>	<b>Mill and Pave</b>
<b>R</b>	<b>Full Road Reconstruction</b>
<b>M/R</b>	<b>Mill &amp; Pave AND Road Reconstruction</b>
<b>PN</b>	<b>Panel / Joint repairs</b>
<b>LIP**</b>	<b>Rehabilitation after completion of Local Improvement</b>

**NOTE: Road Segments may be reprioritized in coordination with WUC watermain projects and budgets**

**\*\*LIP = SUBJECT TO EXHAUSTION OF LOCAL IMPROVEMENT PROCESS AS PER M39-2014**

<b>PROPOSED 2024 ROAD REHABILITATION PROGRAM</b>				
<b>ITEM NO.</b>	<b>STREET</b>	<b>FROM</b>	<b>TO</b>	<b>REHAB. TYPE</b>
1	MERCER ST	SHEPHERD ST	HANNA ST	R
2	MOY AVE	TECUMSEH RD	YPRES AVE	M
3	ROSSINI BLVD	TECUMSEH RD	GRAND MARAIS RD E	R/LIP
4	TECUMSEH RD E	CENTRAL AVE	DROUILLARD RD	R/M
5	OAK AVE	RIVERSIDE DR	UNIVERSITY AVE	M
6	ELLIS ST	GLADSTONE AVE	PARENT AVE	R
7	LAUZON PKY	CANTELON DR	FOREST GLADE DR	R
<b>TOTAL CITY WIDE REHABILITATION</b>			<b>\$ 14,623,967</b>	
<b>E.C. ROW REHABILITATION</b>			<b>\$ 2,000,000</b>	
<b>TOTAL PROGRAM BUDGET</b>			<b>\$ 16,623,967</b>	

<b>M</b>	<b>Mill and Pave</b>
<b>R</b>	<b>Full Road Reconstruction</b>
<b>M/R</b>	<b>Mill &amp; Pave AND Road Reconstruction</b>
<b>PN</b>	<b>Panel / Joint repairs</b>
<b>LIP**</b>	<b>Rehabilitation after completion of Local Improvement</b>

**NOTE: Road Segments may be reprioritized in coordination with WUC watermain projects and budgets  
\*\*LIP = SUBJECT TO EXHAUSTION OF LOCAL IMPROVEMENT PROCESS AS PER M39-2014**



<b>PROPOSED 2025 ROAD REHABILITATION PROGRAM</b>				
<b>ITEM NO.</b>	<b>STREET</b>	<b>FROM</b>	<b>TO</b>	<b>REHAB. TYPE</b>
1	LABADIE RD	ONTARIO ST	SEMINOLE ST	M
2	ERIE ST	PELISSIER ST	JANETTE AVE	M
3	GILES BLVD	VICTORIA AVE	JANETTE AVE	R
4	CHILVER RD	ASSUMPTION ST	CUL-DE-SAC	M
5	OJIBWAY PKY	WEAVER RD	MORTON DR	R
<b>TOTAL CITY WIDE REHABILITATION</b>			<b>\$ 16,255,201</b>	
<b>E.C. ROW REHABILITATION</b>			<b>\$ 2,000,000</b>	
<b>TOTAL PROGRAM BUDGET</b>			<b>\$ 18,255,201</b>	

<b>M</b>	<b>Mill and Pave</b>
<b>R</b>	<b>Full Road Reconstruction</b>
<b>M/R</b>	<b>Mill &amp; Pave AND Road Reconstruction</b>
<b>PN</b>	<b>Panel / Joint repairs</b>
<b>LIP**</b>	<b>Rehabilitation after completion of Local Improvement</b>

**NOTE: Road Segments may be reprioritized in coordination with WUC watermain projects and budgets**

**\*\*LIP = SUBJECT TO EXHAUSTION OF LOCAL IMPROVEMENT PROCESS AS PER M39-2014**

<b>PROPOSED 2026 ROAD REHABILITATION PROGRAM</b>				
<b>ITEM NO.</b>	<b>STREET</b>	<b>FROM</b>	<b>TO</b>	<b>REHAB. TYPE</b>
1	CARON AVE	WYANDOTTE ST	ELLIOTT ST	R
2	PETER ST	MILL ST	BROCK ST	R
3	GILES BLVD	MCDUGALL ST	PARENT AVE	M
4	SOUTH ST	PETER ST	BLOOMFIELD RD	R / M
5	COLLEGE AVE	LENA AVE	BROCK ST	R
6	WINDSOR AVE	GILES BLVD	SHEPHERD ST	R / M
<b>TOTAL CITY WIDE REHABILITATION</b>			<b>\$</b>	<b>7,671,462</b>
<b>E.C. ROW REHABILITATION</b>			<b>\$</b>	<b>1,500,000</b>
<b>TOTAL PROGRAM BUDGET</b>			<b>\$</b>	<b>9,171,462</b>

<b>M</b>	<b>Mill and Pave</b>
<b>R</b>	<b>Full Road Reconstruction</b>
<b>M/R</b>	<b>Mill &amp; Pave AND Road Reconstruction</b>
<b>PN</b>	<b>Panel / Joint repairs</b>
<b>LIP**</b>	<b>Rehabilitation after completion of Local Improvement</b>

**NOTE: Road Segments may be reprioritized in coordination with WUC watermain projects and budgets**  
**\*\*LIP = SUBJECT TO EXHAUSTION OF LOCAL IMPROVEMENT PROCESS AS PER M39-2014**

<b>PROPOSED 2027 ROAD REHABILITATION PROGRAM</b>				
<b>ITEM NO.</b>	<b>STREET</b>	<b>FROM</b>	<b>TO</b>	<b>REHAB. TYPE</b>
1	MATCHETTE RD	EC ROW	CHAPPELL AVE	R
2	MELVILLE DR	ESPLANADE DR	CUL-DE-SAC	M
3	LYNNGROVE CRES	ESPLANADE DR	MELVILLE DR	M
4	SHENANDOAH CRES	PULBROOK RD	STILLMEADOW RD	M
5	PULBROOK RD	FOREST GLADE DR	STILLMEADOW RD	M
6	CALEDON CRT	EASTCOURT DR	STILLMEADOW RD	M
7	STILLMEADOW RD	SHENANDOAH CRES	MULBERRY RD	M
<b>TOTAL CITY WIDE REHABILITATION</b>			<b>\$ 11,750,396</b>	
<b>E.C. ROW REHABILITATION</b>			<b>\$ 500,000</b>	
<b>TOTAL PROGRAM BUDGET</b>			<b>\$ 12,250,396</b>	

<b>M</b>	<b>Mill and Pave</b>
<b>R</b>	<b>Full Road Reconstruction</b>
<b>M/R</b>	<b>Mill &amp; Pave AND Road Reconstruction</b>
<b>PN</b>	<b>Panel / Joint repairs</b>
<b>LIP**</b>	<b>Rehabilitation after completion of Local Improvement</b>

**NOTE: Road Segments may be reprioritized in coordination with WUC watermain projects and budgets**  
**\*\*LIP = SUBJECT TO EXHAUSTION OF LOCAL IMPROVEMENT PROCESS AS PER M39-2014**



# Project Version Summary

<b>Project #</b>	OPS-001-11	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Minor Alley Maintenance Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	The City has 79 kms of paved alleyways, primarily in the older sections of the City, which serve as part of the public right of way. This pavement degrades over time and requires periodic replacement and repairs. As of June 2022, 42 kms of paved alley are "now" deficient, 20 kms will be "now" deficient in 1 - 5 years, 10 kms will be "now" deficient in 6 - 10 years, and 7 kms are considered "adequate".
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<b>Version Description</b>	
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
7121000	

<b>Project Detailed Forecast</b>												
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>	
<b>Expenses</b>												
5410 Construction Contracts - TCA	200,000	200,000	200,000	200,000	200,000	250,000	250,000	250,000	250,000	250,000	2,250,000	
Total	200,000	200,000	200,000	200,000	200,000	250,000	250,000	250,000	250,000	250,000	2,250,000	
<b>Revenues</b>												
221 Service Sustainability Investm	200,000	200,000	200,000	200,000	200,000	250,000	250,000	250,000	250,000	250,000	2,250,000	
Total	200,000	200,000	200,000	200,000	200,000	250,000	250,000	250,000	250,000	250,000	2,250,000	

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2014	100,000	100,000	0				
		2016	100,000	100,000	0				
		2017	100,000	100,000	0				
		2018	100,000	100,000	0				
		2019	1,050,000	1,050,000	0				
		2020	100,000	100,000	0				
		2021	100,000	100,000	0				
		2022	200,000	200,000	0				
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2011	January 1, 2016	Growth: 0.0 % Maintenance: 100.0 %	Phong Nguy / Roberta Harrison		Ongoing`				



# Project Version Summary

<b>Project #</b>	OPS-002-11	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Minor Road Deficiencies Rehabilitation Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>												
The rehabilitation of the city's roadways is performed on a life cycle basis and subject to available funding in Project OPS-001-07 (Citywide Road Rehabilitation). This work tends to be done on entire sections of a roadway (i.e. Ouellette Avenue from Erie Street to Giles Blvd.) In some instances, however, significant repairs to roadways are required that are too small to be assigned to the annual OPS-001-07 rehab. cycle but large enough to put the ROW Maintenance operating budget under strain. The Minor Road Rehab. project addresses these types of pavement repairs and allow the ROW Maintenance operating budget to focus on potholes and other small right of way repairs. Also included in this program is the routing and sealing of cracks in asphalt, spray patching, and pavement repairs to extend the life cycle where possible.												
<b>Version Description</b>												
<b>Project Comments/Reference</b>						<b>Version Comments</b>						
7111023												
<b>Project Detailed Forecast</b>												
<b>GL Account</b>		<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>												
5410	Construction Contracts - TCA	2,967,386	4,075,660	4,133,934	3,800,000	3,800,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	33,776,980
	Total	2,967,386	4,075,660	4,133,934	3,800,000	3,800,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	33,776,980
<b>Revenues</b>												
221	Service Sustainability Investm	2,967,386	4,075,660	4,133,934	3,800,000	3,800,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	33,776,980
	Total	2,967,386	4,075,660	4,133,934	3,800,000	3,800,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	33,776,980

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2011	500,000	500,000	0				
		2012	500,000	500,000	0				
		2013	250,000	250,000	0				
		2014	550,000	550,000	0				
		2015	539,000	539,000	0				
		2016	250,000	250,000	0				
		2017	250,000	250,000	0				
		2018	140,000	140,000	0				
		2019	400,000	400,000	0				
		2020	292,563	292,563	0				
		2021	350,837	350,837	0				
		2022	3,259,111	3,259,111	0				
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2011	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %	Phong Nguy / Roberta Harrison		Ongoing`				



## Project Version Summary

<b>Project #</b>	OPS-003-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Bridge Rehabilitation Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

Ongoing maintenance and rehabilitation of existing bridges throughout the City, including bridges for roadways, railways, streams and drains and pedestrian bridges. The program funds rehabilitation of 59 bridges, 12 culverts with spans greater than 3m, 5 pedestrian bridges, and 1 subway. An annual expenditure of \$5-\$8 million is required to replace these bridges on a 50 to 75 year cycle.

Note: List may change subject to ongoing OSIM investigations as well as the results of Structural Condition Surveys. In addition, unexpected failures of structures may occur which would require reprioritization of rehabilitation.

### Version Description

- 2023: \$3.160 million - Repairs and maintenance as required (all structures) - Wyandotte at CPR (#206)
- 2024: \$0.500 million - Repairs and maintenance as required (all structures) - Wyandotte at CPR (#206)
- 2025: \$0.500 million - Repairs and maintenance as required (all structures) - Engineering evaluation / design for Wyandotte at CPR (#206)
- 2026: \$2.500 million - Repairs and maintenance as required (all structures) - Wyandotte at CPR (#206)
- 2027: \$5.000 million - Repairs and maintenance as required (all structures) - Wyandotte at CPR (#206)
- 2028: \$1.000 million - Repairs and maintenance as required (all structures)
- 2029: \$1.000 million - Repairs and maintenance as required (all structures)
- 2030: \$1.000 million - Repairs and maintenance as required (all structures)
- 2031: \$1.000 million - Repairs and maintenance as required (all structures)
- 2032: \$2.000 million - Repairs and maintenance as required (all structures)

Note: the Wyandotte at CPR (#206) structure was originally slotted in for full rehabilitation in 2022 at a cost of approximately \$15.0 million. A minor rehabilitation was completed in 2017 that allowed the full rehabilitation to be deferred 10-years for completion in 2027. Funds will be accumulated annually for this work in 2027.

Various repairs and maintenance possible on all structures as required include joint replacement, barrier wall replacement, bridge washing, patch repairs, crack injection, and concrete sealing. There will also be culvert replacements pending for areas in the annexed lands to complete in the coming 10-years.

### Project Comments/Reference

Active: 7181022/ 7191021/ 7192010 /7201012/  
7211030/7221009, 7231009

E.C. ROW PROJECTS:  
(Closed:  
7081025/7091023/7091024/7111003/7101004/7101011/711  
1021/7141026/7141027/7141047/7151009/7151002)

BRIDGE PROJECTS:  
(Closed: 7081025 / 7091024 / 7101004 / 7111003/  
7141047 / 7151009/ 7161028/ 7171018)

### Version Comments

COMMITMENT:  
CR247/2019 C 81/2019 - Connecting Links 4 Grant: 2022 F221 \$1,000,000 - 2023 F221 \$1,816,058

Note:  
Funds released as ICIP Public Transit Grant was successful and funding switched to OPS-001-07 and ECP-003-09.



Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	3,160,770	500,000	500,000	2,500,000	5,000,000	1,000,000	1,000,000	1,000,000	1,000,000	2,000,000	17,660,770
Total		3,160,770	500,000	500,000	2,500,000	5,000,000	1,000,000	1,000,000	1,000,000	1,000,000	2,000,000	17,660,770
<b>Revenues</b>												
176	Canada Community- Building Fund	0	0	0	900,000	800,000	0	0	0	0	0	1,700,000
221	Service Sustainability Investm	3,160,770	500,000	500,000	1,600,000	4,200,000	1,000,000	1,000,000	1,000,000	1,000,000	2,000,000	15,960,770
Total		3,160,770	500,000	500,000	2,500,000	5,000,000	1,000,000	1,000,000	1,000,000	1,000,000	2,000,000	17,660,770
Related Projects		Historical Approved Budget				Operating Budget Impact						
				Revenue				Effective Date	Unknown	Exp/(Rev)		FTE Impact
		Year	Total Expense	Net City Cost	Subsidies			Description		0	0	0
		2007	1,550,000	1,550,000	0			Any budget deferral in approved funding will result in increased operating costs for temporary repairs, patching and unscheduled maintenance as required.				
		2008	1,450,000	1,450,000	0							
		2009	2,500,000	2,500,000	0							
		2010	2,379,000	2,379,000	0							
		2011	800,000	800,000	0							
		2015	500,000	500,000	0							
		2016	4,000,000	4,000,000	0							
		2017	4,000,000	4,000,000	0							
		2018	2,500,000	2,500,000	0							
		2019	3,200,000	3,200,000	0							
		2020	3,399,000	3,399,000	0							
		2021	1,204,000	1,204,000	0							
		2022	2,170,000	2,170,000	0							
Year Identified	Start Date	Project Type for 2023		Project Lead		Est. Completion Date						
2007	January 1, 2016	Growth: 0.0 % Maintenance: 100.0 %		Phong Nguy / Charles Hartford		Ongoing`						



# Project Version Summary

<b>Project #</b>	OPS-004-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Sidewalk Rehabilitation Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

## Project Description

This program covers the rehabilitation of existing sidewalks citywide. There are 970 kms of sidewalks in the City, of which 6 kms are in "Poor" condition and 79 kms are in "Fair" condition. Based on a 40-year replacement cycle, the perpetual annual cost for the replacement of this infrastructure is approximately \$3 million. This would be in addition to the approximately \$10.5 million required to address all "Poor" and "Fair" sidewalks and to widen the sidewalks to AODA standards at the time of replacement. From a risk management point of view, funding should be increased to reduce trip and fall claims.

Effective January 1, 2016, the Accessibility for Ontarians with Disabilities Act (AODA) required width of sidewalks to increase from 1.2 meters to 1.5 meters. This increases the cost of sidewalk replacements. As the change is implemented, Administration is including the increased costs in budget projections.

## Version Description

Because the 10-Year Capital Budget does not fully address immediate needs, the annual sidewalk inspection and condition assessment program as well as additional liability claims will influence replacements in 2023 and beyond.

## Project Comments/Reference

See Document Attached  
  
(Closed:  
7091025/7101003/7111022/7121007/7131115/7141028/715  
1011/7161029/7171019/7201013/7211031)  
Active: 7181023/7191006/ 7191030/7221011/7231023

## Version Comments

COMMITMENT:  
CR234/2022 C 90/2022: 2023 F221 \$305,000

## Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	756,190	1,207,696	1,207,696	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	13,671,582
Total	756,190	1,207,696	1,207,696	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	13,671,582
<b>Revenues</b>											
221 Service Sustainability Investm	451,190	1,207,696	1,207,696	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	13,366,582
221CF Committed Funding	305,000	0	0	0	0	0	0	0	0	0	305,000
Total	756,190	1,207,696	1,207,696	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	13,671,582

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2007	950,000	950,000	0				
		2008	850,000	850,000	0				
		2009	2,000,000	2,000,000	0				
		2010	2,000,000	2,000,000	0				
		2011	1,250,000	0	1,250,000				
		2012	1,200,000	1,200,000	0				
		2013	250,000	250,000	0				
		2014	400,000	400,000	0				
		2015	1,350,000	1,350,000	0				
		2016	500,000	500,000	0				
		2017	500,000	500,000	0				
		2018	317,500	317,500	0				
		2019	700,000	700,000	0				
		2020	489,297	489,297	0				
		2021	559,197	559,197	0				
		2022	861,190	861,190	0				
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2007	January 2, 2015	Growth: 0.0 % Maintenance: 100.0 %	Phong Nguy / Roberta Harrison		Ongoing`				

<b>PROPOSED SIDEWALK REHABILITATION 10 YEAR PROGRAM - 2023 to 2032 (Alphabetical Listing)</b>				
<b>STREET</b>	<b>FROM</b>	<b>TO</b>	<b>SIDE OF STREET</b>	<b>POLITICAL WARD</b>
CORAGREENWOOD	RIVERSIDE	LITTLE RIVER	E/W	PW7
ALSACE	KILDARE	BYNG	N	PW4
BALFOUR	EMPRESS	SOUTHNATIONAL	W	PW8
CALIFORNIA	BALMORAL	NORFOLK	E/W	PW1
CALIFORNIA	GRAND MARAIS	BALMORAL	E/W	PW1
CARON	PARK	WYANDOTTE	E	PW3
CARON	WYANDOTTE	ELLIOTT	E	PW3
CENTRAL	ALICE	REGINALD	E/W	PW5
CENTRAL	GUY	TECUMSEH	W	PW5
CENTRAL	GUY	MILLOY	E	PW5
CENTRAL	MILLOY	ALICE	E/W	PW5
CENTRAL	REGINALD	SEMINOLE	E	PW5
CHATHAM	OUELLETTE	GOYEAU	N	PW3
CHATHAM	PELISSIER	FERRY	N	PW3
CHILVER	ASSUMPTION	RIVERSIDE	W/E	PW4
CHILVER	TECUMSEH	LENS	E	PW4
CRAWFORD	ERIE	GROVE	W	PW3
DOMINION	NORFOLK	ROSELAWN	W	PW1
DOT	GIRARDOT	MANCHESTER	W	PW3
DOUGALL	ELLIS	WAHKETA	E/W	PW3

STREET	FROM	TO	SIDE OF STREET	POLITICAL WARD
DOUGALL	ERIE	PINE	E	PW3
DOUGALL	WEST GRAND	LIBERTY	W	PW1
EDWARD	EDGAR	MONTROSE	E	PW6
ELSMERE	ELLIOT	NIAGARA	E/W	PW3
ELSMERE	NIAGARA	ERIE	E/W	PW3
FERNDALE	EMPRESS	CORONATION	E/W	PW8
FERNDALE	SOUTH NATIONAL	CORONATION	E/W	PW8
FORD	CORONATION	LASSALINE	E/W	PW8
FORD	SOUTH NATIONAL	LASSALINE	E/W	PW8
FOSTER	WALKER	CN TRACKS	N	PW9
FRANCOIS	ALICE	MILLOY	E/W	PW5
FRANCOIS	REGINALD	ALICE	W	PW5
GRAND MARAIS	ALLYSON	GEORGE	N	PW5
GREENPARK	WYANDOTTE	LITTLERIVER	E	PW7
HICKORY	ONTARIO	HICKORY	E	PW5
HIGHLAND	TECUMSEH	LENS ALLEY	E/W	PW3
HOWARD	LAKE TRAIL	HAVENS	W	PW1
HOWARD	NEAL	LAKE TRAIL	W	PW1
HURON CHURCH	DONELLY	WYANDOTTE	W	PW2
HURON CHURCH	PETER	DONELLY	W	PW2
HURON CHURCH	PETER	DONNELLY	W	PW2
HURON CHURCH	UNIVERSITY	PETER	W	PW2
HURON CHURCH	UNIVERSITY	PETER	W	PW2

STREET	FROM	TO	SIDE OF STREET	POLITICAL WARD
INDIAN	WYANDOTTE	MILL	E	PW2
JEROME	WATSON	WESCHESTER	N/S	PW6
KILDARE	VIMY	YPRES	W	PW4
KILDARE	WYANDOTTE	TUSCARORA	E/W	PW4
LAKEVIEW	DILLION	LITTLERIVER	W	PW7
LAURENDEAU	FAUST	ONTARIO	W	PW4
LAUZON	MCHUGH	TECUMSEH/EASTTOWN MALL	W	PW6
LAUZON	WYANDOTTE	RIVERSIDE	E/W	PW6
LINWOOD	TOURNIER	FELIX	N/S	PW2
LOCKE	LYNN	3850 LOCKE (@ SOUTH P/L)	E	PW9
LONGFELLOW	GRAND MARAIS	LONGFELLOW	W	PW1
MARENTETTE	SOUTH OF TECUMSEH	DEAD END	E/W	PW4
MATCHETTE	MELBOURNE	STRATHMORE	E/W	PW1
MATCHETTE	STRATHMORE	CUL DE SAC	E/W	PW1
MCKAY	RIVERSIDE	UNIVERSITY	W	PW2
MOUNTROYAL	COUSINEAU	CABANA	W	PW1
OUELLETTE	TECUMSEH	CPR	E	PW3
PILETTE	PLYMOUTH	END	E/W	PW5
PILLETTE	WYANDOTTE ST. E.	ONTARIO	E/W	PW5
PLYMOUTH	ROBERT	PILLETTE	N	PW5
PLYMOUTH	TOURNAGEAU	ROBERT	N	PW5
REGINALD	ST.LUKE	ALBERT	N/S	PW5
RIVARD	HAIG	GRAND	W	PW8

STREET	FROM	TO	SIDE OF STREET	POLITICAL WARD
RIVARD	JOINVILLE	HAIG	W	PW8
RIVARD	ROSE	JOINVILLE	W	PW8
RIVERSIDE	JANETTE	CARON	N	PW3
RIVERSIDE	PATRICE	ST. ROSE	S	PW6
SANDWICH	52M S/O JOHN B	PROSPECT	W	PW2
SANDWICH	DETROIT	ROSEDALE	S	PW2
SHERWAY	ASGARD	RIDGE	W	PW7
SHERWAY	ESPLANADE	ASGARD	W	PW7
ST. PAUL	WYANDOTTE	ST. ROSE	E/W	PW6
TECUMSEH	PENANG	FOREST GLADE	N	PW7
TECUMSEH	SOUTH PACIFIC	MUNICIPAL LANE	N	PW3
TOURNIER	LINWOOD	BABY	N/S	PW2
TRENTON	DROUILLARD	CADILLAC (HENRY FORD CENTRE)	N	PW5
TUSCARORA	WINDSOR	MCDOUGALL	N/S	PW3
UNIVERSITY	DOUGALL	CHURCH	N/S	PW3
UNIVERSITY	VISTA	HURON CHURCH	N	PW2
VICTORIA	CHATHAM	UNIVERSITY	E	PW3
WALKER	NIAGARA	RICHMOND	W	PW4
WALKER	SEMINOLE	MUNSEE	W	PW4
WALKWAY EC ROW	SIERRA	RADISSON	S	PW1
WEST GRAND	DOUGALL	DOMINION	S	PW1
WESTMINSTER	TECUMSEH	ADSTOLL	E/W	PW8
WHELPTON	DROUILLARD	HENRY FORD CENTRE	N	PW5

<b>STREET</b>	<b>FROM</b>	<b>TO</b>	<b>SIDE OF STREET</b>	<b>POLITICAL WARD</b>
WILDWOOD	DEERBROOK	HALPIN	S	PW7
WILDWOOD	FOREST GLADE	REGIS	E/W	PW7
WINDERMERE	TECUMSEH	LENS	W	PW4
WOODLAWN	LENS	VIMY	E/W	PW4
WYANDOTTE	MCKAY	CURRY	N	PW2
<b>N</b>	<b>NORTH SIDE</b>			
<b>S</b>	<b>SOUTH SIDE</b>			
<b>E</b>	<b>EAST SIDE</b>			
<b>W</b>	<b>WEST SIDE</b>			
<b>CURB</b>	<b>AND Reconstruction of Curb &amp; Gutter</b>			
<b>NOTE: Sidewalk Segments will be prioritized in coordination with other Capital Projects, Road Rehabs and WUC watermain projects and budgets</b>				





# Project Version Summary

<b>Project #</b>	OPS-005-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Railway Lands Fencing		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>												
Install and maintain fencing at key locations along railway lands to prevent trespassing (annual general allotment to be based on needs analysis).												
<b>Version Description</b>												
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
7045005												
<b>Project Detailed Forecast</b>												
<b>GL Account</b>		<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>												
5410	Construction Contracts - TCA	100,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	100,000	100,000	1,350,000
Total		100,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	100,000	100,000	1,350,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	50,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	50,000	50,000	675,000
6735	Recovery Of Expenses EXTERNAL	50,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	50,000	50,000	675,000
Total		100,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	100,000	100,000	1,350,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2008	100,000	50,000	50,000				
		2009	100,000	50,000	50,000				
		2010	100,000	50,000	50,000				
		2011	100,000	50,000	50,000				
		2014	100,000	50,000	50,000				
		2018	100,000	50,000	50,000				
		2019	100,000	50,000	50,000				
		2020	75,000	75,000	0				
		2022	100,000	50,000	50,000				
Year Identified	Start Date	Project Type for 2023		Project Lead		Est. Completion Date			
2007	January 1, 2018	Growth: 100.0 % Maintenance: 0.0 %		Phong Nguy		Ongoing`			



# Project Version Summary

<b>Project #</b>	OPS-005-19	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Gravel Alley Drainage Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

The City has approximately 148km of In Service Alleys. Of the 148km, approximately 69km are unpaved. Over the course of time, as a result of routine maintenance and various construction activities, drainage in many of the unpaved alleys has become an issue leading to improper drainage, standing water and flooding on private property. In order to address these concerns, it is often necessary to install additional drainage, lower the existing grades to promote drainage, or remove damaged areas in the alleys. Alley condition ratings and residential complaints are used to track problem alleys requiring remedial works. This fund would be used to address alley areas of concern.

**Version Description**

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7211032	

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	0	0	0	0	200,000	200,000	200,000	200,000	200,000	1,000,000
Total	0	0	0	0	0	200,000	200,000	200,000	200,000	200,000	1,000,000
<b>Revenues</b>											
028 Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
153 Sewer Surcharge	0	0	0	0	0	200,000	200,000	200,000	200,000	200,000	1,000,000
Total	0	0	0	0	0	200,000	200,000	200,000	200,000	200,000	1,000,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2021	50,000	50,000	0				
		2022	50,000	50,000	0				
		Any budget deferral in approved funding will result in increased operating costs for temporary repairs, patching, and unscheduled maintenance as required.							
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2019	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %	Phong Nguy / Roberta Harrison		Ongoing`				



# Project Version Summary

<b>Project #</b>	OPS-005-22	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Orphan Monuments, Gateways and Miscellaneous Installations and Maintenance		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

From time to time, monuments, gateways and other items, including decorative pieces have been constructed in the public right-of-way. These projects integrate beauty and history into the fabric of the City and enriches residents' lives as well as contributing to the physical attractiveness of our City. However, these items require maintenance to ensure they last as long as possible. In the past, responsibility for maintaining these items has not always been contemplated or clearly communicated at the time of their construction. Failure to maintain the monuments, gateways and decorative pieces will cause them to deteriorate and become unsightly to residents and visitors to the City. This project provides funding for maintenance on those items for which responsibility and maintenance funding has not been previously identified.

The corridors of Dougall Avenue, Howard Avenue, and Huron Church Road represent gateways to the community. Aesthetic improvements to the structures at westbound E.C. Row Expressway as well as at the Ouellette Avenue overpass of CPR/ETR will provide continuity and enhancement of appearance for those travelling these routes.

**Version Description**

<b>Project Comments/Reference</b>	<b>Version Comments</b>
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<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	200,000	25,000	0	0	25,000	25,000	25,000	0	0	300,000
Total	0	200,000	25,000	0	0	25,000	25,000	25,000	0	0	300,000
<b>Revenues</b>											
221 Service Sustainability Investm	0	200,000	25,000	0	0	25,000	25,000	25,000	0	0	300,000
Total	0	200,000	25,000	0	0	25,000	25,000	25,000	0	0	300,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2022	January 1, 2022	Growth: 0.0 % Maintenance: 0.0 %	Phong Nguy	Ongoing`



# Project Version Summary

<b>Project #</b>	OPS-006-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	"At-Grade" Railway Crossings		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

This program is used to provide improvements and rehabilitation for all 61 of the city's 'At Grade' railway crossings. The City of Windsor, by order of the Canadian Transportation Agency, is required to cost share with the maintenance with the railways. Placeholder amounts are to be used as needs arise. There are annual federal cost sharing opportunities available for at-grade rail crossing upgrades.

**Version Description**

Proposed Railway Crossings:

- Crossing #066 - Jefferson CNR (Near Queen Elizabeth)
- Crossing #076 - Cabana @ CNR
- Crossing #089 - County Road 42 @ CNR

<b>Project Comments/Reference</b>	<b>Version Comments</b>
Closed: 7085009/7163002/7163003 Open: 7179001/7111023	

<b>Project Detailed Forecast</b>												
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total	
<b>Expenses</b>												
5410 Construction Contracts - TCA	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	1,250,000	
Total	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	1,250,000	
<b>Revenues</b>												
221 Service Sustainability Investm	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000	
6735 Recovery Of Expenses EXTERNAL	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000	
Total	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	1,250,000	

Related Projects		Historical Approved Budget			Operating Budget Impact				
Follows OPS-004-16		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
Project Title				Net City Cost	Subsidies				
Rail Crossing Safety Assessments		2008	62,500	50,000	12,500			0	0
		2009	62,500	50,000	12,500				
		2010	62,500	50,000	12,500				
		2011	62,500	50,000	12,500				
		2014	50,000	25,000	25,000				
		2016	200,000	100,000	100,000				
		2017	100,000	100,000	0				
		2018	275,000	137,500	137,500				
		2019	343,125	325,000	18,125				
		2020	85,000	72,500	12,500				
		2021	200,000	100,000	100,000				
		2022	125,000	100,000	25,000				
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2007	January 1, 2018	Growth: 0.0 % Maintenance: 100.0 %		Phong Nguy / Roberta Harrison	Ongoing`				





# Project Version Summary

<b>Project #</b>	OPS-007-19	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Connecting Link 4 2019-2020 Grant - Huron Church Rd.		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 10		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>											
Connecting Links 4 - 2019-2020 application was submitted May 31, 2019. Municipalities with one connecting link road are allowed to submit one project per year. This section of road Huron Church Road - Malden Road - Pool Avenue is constantly impacted by the volume of heavy commercial truck traffic.											
<b>Version Description</b>											
<b>Project Comments/Reference</b>						<b>Version Comments</b>					
7192010						COMMITMENT: CR247/2019 C 81/2019: 2023 F169 \$1,280,407 - 2023 F221 \$1,280,407  Note: Grant Funding - \$3,000,000. \$1,500,000 rec'd balance by year-end 2020.					
<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	2,560,814	0	0	0	0	0	0	0	0	0	2,560,814
Total	2,560,814	0	0	0	0	0	0	0	0	0	2,560,814
<b>Revenues</b>											
169CF Committed Funding	1,280,407	0	0	0	0	0	0	0	0	0	1,280,407
221CF Committed Funding	1,280,407	0	0	0	0	0	0	0	0	0	1,280,407
Total	2,560,814	0	0	0	0	0	0	0	0	0	2,560,814

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2019	June 30, 2019	Growth: 50.0 % Maintenance: 50.0 %	Phong Nguy	2020



# Project Version Summary

<b>Project #</b>	OPS-007-20	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	ICIP - City Wide Sidewalks (Intake 1)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	C79/2019
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<b>Version Description</b>	City funding for this project has been transferred in from the Sidewalk Rehabilitation Project OPS-004-07.
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
7204003	COMMITMENT: CR248/2019 C79/2019 ICIP Public Transit (ICIP-WIN-04): 2023 F221 \$451,506

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	1,519,136	533,815	355,876	177,939	0	0	0	0	0	0	2,586,766
Total	1,519,136	533,815	355,876	177,939	0	0	0	0	0	0	2,586,766
<b>Revenues</b>											
221CF Committed Funding	451,506	0	0	0	0	0	0	0	0	0	451,506
6310 Ontario Specific Grants	485,260	242,630	161,753	80,877	0	0	0	0	0	0	970,520
6320 Canada Specific Grants	582,370	291,185	194,123	97,062	0	0	0	0	0	0	1,164,740
Total	1,519,136	533,815	355,876	177,939	0	0	0	0	0	0	2,586,766

Related Projects		Historical Approved Budget			Operating Budget Impact
			<b>Revenue</b>		
		<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>
		2020	790,037	210,703	579,334
		2021	1,094,907	240,803	854,104
		2022	1,020,908	451,506	569,402
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date
2020	July 1, 2019	Growth: 0.0 % Maintenance: 100.0 %	Charles Hartford / Roberta Harrison		2025



# Project Version Summary

<b>Project #</b>	OPS-009-20	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Connecting Link Intake 5 Project - Huron Church Rd.		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 2		
<b>Version Name</b>	Main (Active)		

## Project Description

Reconstruction of Huron Church Road from Girardot to the ETR railway racks north of College Avenue as well as road panel and median repairs from Girardot to Tecumseh. This work involves removing 14" of the current concrete and stone, and replacing with 16" granular A base, a 4" drainage layer topped by 12" of concrete. Administration is proposing to proceed with the conventional 12" heavy duty concrete road cross-section, the same design used to reconstruct the phase of Huron Church Road from Malden Road to Pool Avenue funded by Connecting Links Intake 4. The reconstruction of traffic signals at 2 intersections (Tecumseh and College), median concrete wall repairs, the installation of a new 75mm conduit with 48 SM fibre to replace the existing fibre and watermain replacements from College to Tecumseh will be coordinated with this road repair.

This section of road is constantly impacted by the volume of heavy commercial truck traffic which has adversely impacted the road and expedited the deterioration.

## Version Description

The total cost for this project is expected to be \$6.0M (including non-recoverable HST) excluding the Windsor Utilities Commission (WUC) watermain component as watermain work is ineligible for this grant funding. Should the City be successful in obtaining Connecting Link funding of \$3M for the Tecumseh Road to College Avenue section, the City would be required to commit approximately \$3M (50% of total costs) to complete the City's work. As is standard practice, the watermain component will be funded by WUC.

## Project Comments/Reference

7202007

## Version Comments

COMMITMENT:  
 CR530/2019 - C 186/2019: 2023 F176 \$919,930 - 2023 F221 \$100,000  
 CR16/2021 - C 251/2021: 2023 F221 \$1,019,930 (Funding swap on CR530/2019 from F176 to F221)

## Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	1,019,930	0	0	0	0	0	0	0	0	0	1,019,930
Total	1,019,930	0	0	0	0	0	0	0	0	0	1,019,930
<b>Revenues</b>											
221CF Committed Funding	1,019,930	0	0	0	0	0	0	0	0	0	1,019,930
Total	1,019,930	0	0	0	0	0	0	0	0	0	1,019,930

Related Projects		Historical Approved Budget			Operating Budget Impact	
			<b>Revenue</b>			
		<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	
		2021	3,995,000	995,000	3,000,000	
		2022	995,000	995,000	0	
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date		
2020	April 1, 2020	Growth: 0.0 % Maintenance: 100.0 %	Phong Nguy / Charles Hartford	2021		



# Project Version Summary

<b>Project #</b>	OPS-028-18	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Concrete Road Panel Repair Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>
This program was established for the repair of concrete road panels on arterial and collector roads throughout the City. These repairs are too large in scope to be considered a minor repair and are not full road rehabilitations, but significant funding is required to undertake these types of repairs. The City has 199 lane km's of concrete arterial and collector roadways (including Riverside Dr.). Many of the required panel repairs are needed to extend them through their life cycle and prevent them from requiring total reconstruction earlier than planned.

<b>Version Description</b>

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7221013	

<b>Project Detailed Forecast</b>												
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>	
<b>Expenses</b>												
5410 Construction Contracts - TCA	1,500,000	1,500,000	500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	14,000,000	
Total	1,500,000	1,500,000	500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	14,000,000	
<b>Revenues</b>												
221 Service Sustainability Investm	1,500,000	1,500,000	500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	14,000,000	
Total	1,500,000	1,500,000	500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	14,000,000	

<b>Related Projects</b>	<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>					
			<b>Revenue</b>				<b>Effective Date</b> Unknown		<b>Exp/(Rev) FTE Impact</b>	
	<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<b>Description</b>		0	0		
	2022	895,000	895,000	0	Any budget deferral in approved funding will result in an increase in the operating costs for temporary road repairs and patching.					

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2018	January 1, 2022	Growth: 0.0 % Maintenance: 100.0 %	Phong Nguy / Roberta Harrison	Ongoing`





# Project Version Summary

<b>Project #</b>	OPS-029-18	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Curb Replacement Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

The City has approximately 1687 km's of curb and gutter on roadways. Many sections have been damaged or have reached their service life and require replacement . This new program has been established to allocate funding toward curb and gutter rehabilitation throughout the City. These repairs are too large in scope to be considered a minor concrete repair and are not full road rehabilitations but do require significant funding to maintain.

**Version Description**

Project Comments/Reference	Version Comments
7219010	

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	2,700,000
Total	0	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	2,700,000
<b>Revenues</b>											
028 Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
153 Sewer Surcharge	0	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	2,700,000
Total	0	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	2,700,000

Related Projects	Historical Approved Budget				Operating Budget Impact		
	Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev) FTE Impact
			Net City Cost	Subsidies			
			Description				
2021	40,000	40,000	0			0	0
2022	600,000	600,000	0				Any budget deferral in approved funding will result in an increase in the operating costs for temporary repairs and maintenance.

Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
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2018	January 1, 2022	Growth: 0.0 % Maintenance: 0.0 %	Phong Nguy / Roberta Harrison	Ongoing`
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2022	January 1, 2021	Growth: 0.0 % Maintenance: 0.0 %	Anne Marie Albidone / Jim Leather	Ongoing`
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# Project Version Summary

<b>Project #</b>	FRS-001-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fleet
<b>Title</b>	Fire & Rescue First Response Vehicle Replacement Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	2017 (Active)		

**Project Description**

There is a need to maintain the replacement of fire apparatus consistent with the recommendation in the fire master plan. One of the difficulties in the acquisition of fire apparatus is the time between the decision to order and the actual delivery, which typically amounts to a minimum of 12 months. This delay makes it important to maintain an active fire truck replacement schedule to ensure that each vehicle is replaced within its normal service life.

**Version Description**

Please see document attached for detailed Fire & Rescue First Response Vehicle Replacement Schedule.

The COVID-19 pandemic and supply chain issues have affected the availability of cost of vehicles and equipment and have delayed delivery dates. Furthermore, incentives are being reduced or eliminated resulting in increased purchase costs. When reviewing the 10 year replacement plan during the 2023 budget development, Administration considered these factors as well as the deferral of replacements if condition assessments warranted doing so, It was determined that an increased contribution of \$135,000 annually for each of the three consecutive years 2023 through 2025 is required to ensure its sustainability. Should operating issue 2023-0097 not be approved, significant changes to the 10-year replacement plan will be required to ensure reserve sustainability to 2032.

Pricing for the new trucks included in this plan have been updated to reflect current 2022-2023 pricing, pricing may continue to fluctuate over the life of the plan. Any salvages received will be returned back to this reserve. Per CR363/2010, Report #14903 the funding source is the Fire Major Equipment Reserve (F163).

<b>Project Comments/Reference</b>	<b>Version Comments</b>
See Document Attached (Closed: 7051004/7074066/7101014/7131007/7111025/ 7121011 (2012 trucks)/7161031) Active: 7171013/ 7181025/ 7201006/ 7211045/7221000/7221014/7231001	CR331/2022 C 119/2022: 2023 F163 \$73,695

<b>Project Detailed Forecast</b>												
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>	
<b>Expenses</b>												
5110 Machinery & Equipment - TCA	89,000	3,434,000	53,000	0	2,399,000	7,117,000	5,174,000	184,000	163,000	2,666,000	21,279,000	
Total	89,000	3,434,000	53,000	0	2,399,000	7,117,000	5,174,000	184,000	163,000	2,666,000	21,279,000	
<b>Revenues</b>												
163 Fire Major Equipment	15,305	3,434,000	53,000	0	2,399,000	7,117,000	5,174,000	184,000	163,000	2,666,000	21,205,305	
163CF Committed Funding	73,695	0	0	0	0	0	0	0	0	0	73,695	
Total	89,000	3,434,000	53,000	0	2,399,000	7,117,000	5,174,000	184,000	163,000	2,666,000	21,279,000	

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2007	500,000	500,000	0				
		2008	500,000	500,000	0				
		2009	556,700	556,700	0				
		2010	3,297,545	3,297,545	0				
		2011	2,410,684	2,410,684	0				
		2012	2,010,316	2,010,316	0				
		2013	75,000	37,500	37,500				
		2016	149,000	149,000	0				
		2017	636,000	636,000	0				
		2018	47,000	47,000	0				
		2020	55,000	55,000	0				
		2021	74,000	74,000	0				
		2022	2,769,000	2,769,000	0				
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>		<b>Est. Completion Date</b>			
2007	January 1, 2013	Growth: 0.0 % Maintenance: 100.0 %		Angela Marazita/Fire Chief Steve Laforet		Ongoing`			

**FLEET REPLACEMENT SCHEDULE - FIRE FLEET**

(source: FleetFocus as of August 11, 2022)

Unit	Description	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
<b>Class 120 - CUBE VANS (Life Cycle 9 - 11 Years)</b>																
3024	2012 GMC SAVANA 3500 CUTAWAY CUBE VAN		41,149													51,163
<b>Class 140 - SPORT UTILITY (Life Cycle 10 Years)</b>																
3035	2015 CHEVROLET TAHOE LT SUV 4X4	72,420										88,280				
3047	2022 CHEVROLET TAHOE LT 4X4										82,157					
4040	2017 FORD EXPLORER SUV XLT 4X4					43,059										52,489
4046	2018 FORD EXPLORER SUV						60,813									
4050	2020 FORD EXPLORER SUV						56,308									
4051	2020 FORD EXPLORER SUV								78,501							
4052	2020 FORD EXPLORER SUV								72,643							
<b>Class 246 - CREW CABS UTILITY (Life Cycle 7 - 9 Years)</b>																
3026	2020 FORD F250 4X4 CREWCAB PICKUP							41,187								
3030	2015 FORD F250 CREWCAB 4X4 PICKUP									68,836						
3036	2015 FORD F250 CREWCAB 4X4 PICKUP		39,946									47,739				
3046	2022 FORD F250 XL CREWCAB 4X4 PICKUP									61,784						
4041	2016 FORD F250 CREWCAB PICKUP 4X4			37,142										44,388		
<b>Class 4000 - FIRE RESCUE (Life Cycle 15+ Years)</b>																
4043	2016 SPARTAN ROSENBAUER RESCUE PUMPER										1,182,425					
4047	2018 KENWORTH HACKNEY T370 ESU												1,078,006			
<b>Class 4100 - FIRE ENGINE (Life Cycle 15+ Years)</b>																
4022	2007 PIERCE VELOCITY ENGINE 1															1,305,492
4023	2007 SPARTAN ROSENBAUER ENGINE 6															1,305,492
4024	2007 SPARTAN ROSENBAUER ENGINE 4															1,305,492
4025	2009 SPARTAN ROSENBAUER ENGINE 2		1,009,188													
4026	2009 SPARTAN ROSENBAUER ENGINE 7		1,009,188													
4027	2009 SPARTAN ROSENBAUER TANKER 8		1,009,188													
4031	2012 SPARTAN ROSENBAUER ENGINE 5					1,070,958										
4032	2012 SPARTAN ROSENBAUER ENGINE 1					1,070,958										
4048	2019 ROSENBAUER COMMANDER ENG 6										1,182,425					
<b>Class 4300 - FIRE AERIAL (Life Cycle 15+ Years)</b>																
4033	2013 SUTPHEN SP70 AERIAL PLATFORM						1,936,999									
4034	2013 SUTPHEN SP70 AERIAL PLATFORM						1,936,999									
4035	2013 SUTPHEN SP95 AERIAL PLATFORM							2,435,214								
4036	2013 SUTPHEN SP95 AERIAL PLATFORM							2,435,214								
<b>Class 4400 - FIRE POLICE BUS (Life Cycle 20+ Years)</b>																
4037	2007 SPARTAN COMMAND POST BUS							2,815,406								
	<b>Subtotal:</b>	<b>72,420</b>	<b>3,108,659</b>	<b>37,142</b>	<b>0</b>	<b>2,184,976</b>	<b>6,806,526</b>	<b>4,911,615</b>	<b>151,144</b>	<b>130,620</b>	<b>2,447,006</b>	<b>136,019</b>	<b>1,122,394</b>	<b>51,163</b>	<b>0</b>	<b>3,968,966</b>

<b>Unrecoverable HST:</b>	<b>1,275</b>	<b>54,719</b>	<b>654</b>	<b>0</b>	<b>38,460</b>	<b>119,808</b>	<b>86,454</b>	<b>2,660</b>	<b>2,299</b>	<b>43,072</b>	<b>2,394</b>	<b>19,756</b>	<b>901</b>	<b>0</b>	<b>69,862</b>
<b>Total Estimated Cost:</b>	<b>73,695</b>	<b>3,163,378</b>	<b>37,796</b>	<b>0</b>	<b>2,223,436</b>	<b>6,926,334</b>	<b>4,998,069</b>	<b>153,804</b>	<b>132,920</b>	<b>2,490,078</b>	<b>138,413</b>	<b>1,142,150</b>	<b>52,064</b>	<b>0</b>	<b>4,038,827</b>
<b>Additional Capitalization:</b>	<b>15,000</b>	<b>270,000</b>	<b>15,000</b>	<b>0</b>	<b>175,000</b>	<b>190,000</b>	<b>175,000</b>	<b>30,000</b>	<b>30,000</b>	<b>175,000</b>	<b>30,000</b>	<b>15,000</b>	<b>15,000</b>	<b>0</b>	<b>255,000</b>
<b>Budget Submission:</b>	<b>89,000</b>	<b>3,434,000</b>	<b>53,000</b>	<b>0</b>	<b>2,399,000</b>	<b>7,117,000</b>	<b>5,174,000</b>	<b>184,000</b>	<b>163,000</b>	<b>2,666,000</b>	<b>169,000</b>	<b>1,158,000</b>	<b>68,000</b>	<b>0</b>	<b>4,294,000</b>

**Notes:**

1. Replacement costs include estimated purchase price and capitalization of \$80,000 per unit in classes 4000 to 4400 (excluding units 4037 and 4047) and \$15,000 per units in all other classes.
2. Replacement costs are adjusted for inflation. The inflation factor is currently set to 2.00%.
3. Fire and Rescue Services has a separate fleet replacement schedule. The replacement of Fire's small fleet is based on Public Works methodology.
4. Units are placed on the schedule based on an operational assessment. Units are evaluated annually based on a variety of factors to determine if replacements are required in the current year or can be extended.





# Project Version Summary

<b>Project #</b>	OPS-001-15	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fleet
<b>Title</b>	Parks Equipment Replacement Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	2017 (Active)		

**Project Description**

This project is for the replacement of Parks Off-Road equipment. The Parks off-road equipment is essential to the department and downtime due to equipment repairs results in lost productivity and man-hours, which results in the department's inability to meet expected service levels. Parks makes every effort to repair and in some cases rebuild equipment during the off-season.

**Version Description**

Annual budget requests are based on the Fleet and Parks Division's projections of required replacements.

The COVID-19 pandemic and supply chain issues have affected the availability of cost of vehicles and equipment and have delayed delivery dates. Furthermore, incentives are being reduced or eliminated resulting in increased purchase costs. When reviewing the 10 year replacement plan during the 2023 budget development, Administration considered these factors as well as the deferral of replacements if condition assessments warranted doing so, It was determined that an increased contribution of \$95,000 annually for each of the three consecutive years 2023 through 2025 is required to ensure its sustainability. Should operating issue 2023-0097 not be approved, significant changes to the 10-year replacement plan will be required to ensure reserve sustainability to 2032.

Pricing for the new equipment included in this plan have been updated to reflect current 2022-2023 pricing, pricing may continue to fluctuate over the life of the plan. Any salvages received for equipment sold are returned back to this reserve.

Project Comments/Reference	Version Comments
See Document Attached Closed: 7151005/ 7161001/ 7171017/ 7181015/7191000/7221002 Open: 7201007/ 7211001/ 7231002	COMMITMENT: CR331/2022 C 119/2022: 2023 F197 \$639,169

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5110	Machinery & Equipment - TCA	752,000	1,188,000	390,000	744,000	595,000	512,000	808,000	1,127,000	777,000	1,436,000	8,329,000
	Total	752,000	1,188,000	390,000	744,000	595,000	512,000	808,000	1,127,000	777,000	1,436,000	8,329,000
<b>Revenues</b>												
197	Off-Road Fleet Replacement	112,831	1,188,000	390,000	744,000	595,000	512,000	808,000	1,127,000	777,000	1,436,000	7,689,831
197CF	Committed Funding	639,169	0	0	0	0	0	0	0	0	0	639,169
	Total	752,000	1,188,000	390,000	744,000	595,000	512,000	808,000	1,127,000	777,000	1,436,000	8,329,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2015	345,060	345,060	0				
		2016	702,000	702,000	0				
		2017	459,000	459,000	0				
		2018	617,000	617,000	0				
		2019	451,000	451,000	0				
		2020	1,287,000	1,287,000	0				
		2021	831,000	831,000	0				
		2022	936,000	936,000	0				
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>		<b>Est. Completion Date</b>			
2015	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %		Angela Marazita		Ongoing`			

**FLEET REPLACEMENT SCHEDULE - PARKS OFF ROAD FLEET**

(source: FleetFocus as of August 10, 2022)

Unit	Description	Department	Total Cost	Adj. Cost	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>Class 5000 - ZAMBONI - (LIFE CYCLE 8-10 YEARS)</b>														
5004	2008 ZAMBONI ICE RESURFACING MACHIN	ORREC	78,905	105,000										127,994
5007	2009 ZAMBONI ICE RESURFACING MACHIN	ORREC	80,450	105,000	107,100									
5012	2005 ZAMBONI RESURFACING ICE MACHIN	ORREC	75,330	105,000										127,994
5013	2014 ZAMBONI RESURFACING ICE MACHIN	ORREC	89,463	105,000		109,242								
5014	2015 ZAMBONI RESURFACING ICE MACHIN	ORREC	89,027	105,000			111,427							
5015	2016 ZAMBONI RESURFACING ICE MACHIN	ORREC	89,118	105,000				113,655						
5016	2018 ZAMBONI RESURFACING ICE MACHIN	ORREC	100,645	105,000						120,612				
5017	2019 ZAMBONI RESURFACING ICE MACHIN	ORREC	92,447	105,000								123,024		
5018	2021 ZAMBONI RESURFACING ICE MACHIN	ORREC	88,900	98,000										119,461
<b>Class 5100 - 10` MOWERS - (LIFE CYCLE 8-10 YEARS)</b>														
5100	2021 TORO GROUNDMASTER 4000-D MOWI	ORPARKS	84,995	0									103,608	
5101	2021 TORO GROUNDMASTER 4000-D MOWI	ORPARKS	84,995	0									103,608	
5102	2014 TORO 4000-D 10` MOWER	ORPARKS	57,708	93,655										114,165
5103	2014 TORO 4000-D 10` MOWER	ORPARKS	57,708	93,655										114,165
5108	2021 TORO GROUNDMASTER 4000-D MOWI	ORPARKS	84,995	0									103,608	
5109	2021 TORO GROUNDMASTER 4000-D MOWI	ORPARKS	84,995	0									103,608	
5114	2015 JACOBSEN 10` CUT WIDE AREA MOW	SOLD	50,930	107,000	109,140									
5115	2015 JACOBSEN R311T4F 10` MOWER	ORPARKS	50,930	107,000	109,140									
5116	2016 TORO 4400-D GROUNDMASTER MOV	ORPARKS	66,970	93,655		97,439								
5117	2016 TORO 4400-D 120 INCH ROTARY MOW	ORPARKS	67,388	93,655		97,439								
5118	2016 GROUNDMASTER 10 FT WINGED MC	ORPARKS	69,675	93,655		97,439								
5119	2016 GROUNDMASTER 10 FT WINGED MC	ORPARKS	69,675	93,655		97,439								
5120	2016 GROUNDMASTER 10 FT WINGED MC	ORPARKS	69,675	93,655		97,439								
5121	2018 GROUNDMASTER 10 FT WINGED MC	ORPARKS	74,620	93,655			101,375							
5122	2019 TORO 4000-D 10` MOWER	ORPARKS	97,181	93,655					103,403					
5124	2019 TORO 4500-D MOWER	ORPARKS	87,100	93,655					103,403					
5138	2022 TORO 4000-D 10` MOWER	ORPARKS	107,106	0										130,561
<b>Class 5130 - 16` MOWERS - (LIFE CYCLE 8-10 YEARS)</b>														
5130	2014 TORO 5900-D WINGED MOWER	ORPARKS	72,352	126,074										153,684
5135	2014 TORO 5900-D 16` WINGED MOWER	SOLD	72,352	126,074										153,684
5137	2016 JACOBSEN 9016 16` WIDE AREA MOW	ORPARKS	84,671	126,074		131,167								
5146	2015 JACOBSEN 9016 16` MOWER	SOLD	74,930	126,074	128,595									
5148	2016 TORO 5900-D GROUNDMASTER MOV	ORPARKS	99,560	126,074		131,167								
5149	2016 JACOBSEN SPORTS STRIPPER	ORPARKS	62,500	126,074										153,684
5150	2017 JACOBSEN 16` MOWER	ORPARKS	94,005	126,074			133,791							
5151	2018 TORO 5900-D 4WD 16` MOWER	ORPARKS	108,998	126,074						141,980				

### FLEET REPLACEMENT SCHEDULE - PARKS OFF ROAD FLEET

(source: FleetFocus as of August 10, 2022)

Unit	Description	Department	Total Cost	Adj. Cost	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
5152	2018 TORO 5900-D 4WD 16` MOWER	ORPARKS	108,998	126,074						141,980				
5153	2019 TORO 5900-D 4WD 16` MOWER	ORPARKS	140,000	126,074							144,819			
5154	2019 TORO 5900-D 4WD 16` MOWER	ORPARKS	140,519	126,074							144,819			
5155	2020 TORO 5900-D 4WD 16` MOWER	ORPARKS	122,776	126,074								147,716		
<b>Class 5160 - ZERO TURN MOWERS - (LIFE CYCLE 8-10 YEARS)</b>														
5168	2016 KUBOTA ZD-331-LP 6` MOWER	ORPARKS	16,200	18,000		18,727								
5170	2019 KUBOTA ZD-1211L-72 ZERO TURN MO`	ORPARKS	18,181	18,000					19,873					
5171	2019 KUBOTA ZD-1211L-72 ZERO TURN MO`	ORPARKS	16,687	18,000					19,873					
5172	2019 KUBOTA ZD-1211L-72 ZERO TURN MO`	ORPARKS	16,687	18,000					19,873					
5173	2020 KUBOTA ZERO TURN REAR MOWER	ORPARKS	17,836	18,000						20,271				
5174	2020 KUBOTA ZERO TURN REAR MOWER	ORPARKS	17,737	18,000						20,271				
5175	2020 KUBOTA ZERO TURN REAR MOWER	ORPARKS	17,688	18,000						20,271				
5176	2020 KUBOTA ZERO TURN REAR MOWER	ORPARKS	17,726	18,000						20,271				
<b>Class 5180 - SLOPE MOWERS - (LIFE CYCLE 12-15 YEARS)</b>														
5181	2015 STEINER STEEP SLOPE CUTTING MO`	ORPARKS	41,130	52,406					57,860					
5182	2015 STEINER STEEP SLOPE CUTTING MO`	ORPARKS	46,290	52,406					57,860					
<b>Class 5190 - TOW BEHIND MOWERS - (LIFE CYCLE 8-10 YEARS)</b>														
5193	2017 BUSH HOG FLEX WING ROTARY CUTT	ORPARKS	19,288	26,458					29,212					
5194	2020 BUSH HOG 13810VC TOW BEHIND MO`	ORPARKS	30,581	26,458								31,000		
<b>Class 5200 - ALL TERRAIN VEHICLES - (LIFE CYCLE 8-10 YEARS)</b>														
5208	2022 YAMAHA UMAX 2 WITH RALLY OPTION	ORPARKS	13,561	0										16,531
5209	2022 YAMAHA UMAX 2 WITH RALLY OPTION	ORHORT	13,415	0										16,353
5211	2020 KUBOTA RTV500-H CART	ORPARKS	11,288	0								13,760		
5212	2020 KUBOTA RTV500-H CART	ORPARKS	11,159	0								13,603		
5215	2022 YAMAHA UMAX 2 WITH RALLY OPTION	ORPARKS	13,439	0										16,382
5216	2022 YAMAHA UMAX 2 WITH RALLY OPTION	ORPARKS	13,483	0										16,436
5228	2020 KUBOTA RTV500-H UTILITY VEHICLE	ORPARKS	11,146	0								13,586		
5229	2021 KUBOTA RTV500-H UTILITY VEHICLE	ORPARKS	10,596	0									12,917	
5230	2022 YAMAHA UMAX 2 WITH RALLY OPTION	ORPARKS	13,415	0										16,353
5231	2022 YAMAHA UMAX 2 WITH RALLY OPTION	ORPARKS	13,415	0										16,353
5236	2016 KUBOTA RTV1100 UTILITY VEHICLE	ORPARKS	31,700	33,000		34,333								
5237	2016 KUBOTA RTV1100 UTILITY VEHICLE	ORPARKS	31,700	33,000		34,333								
5238	2016 KUBOTA RTV500 UTILITY VEHICLE	ORPARKS	12,143	13,738		14,293								
5239	2016 KUBOTA RTV500 UTILITY VEHICLE	ORPARKS	12,143	13,738		14,293								
5240	2016 KUBOTA RTV500 UTILITY VEHICLE	ORPARKS	12,143	13,738		14,293								
5241	2016 KUBOTA RTV500 UTILITY VEHICLE	ORPARKS	12,143	13,738		14,293								
5242	2016 KUBOTA RTV500 UTILITY VEHICLE	ORPARKS	12,143	13,738		14,293								

**FLEET REPLACEMENT SCHEDULE - PARKS OFF ROAD FLEET**

(source: FleetFocus as of August 10, 2022)

Unit	Description	Department	Total Cost	Adj. Cost	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
5243	2016 YAMAHA CONCIERGE 6 ART CART	ORREC	15,372	16,000		16,646								
5244	2017 KUBOTA RTV500 CART	ORREC	12,348	13,738			14,579							
5245	2018 KUBOTA RTV500 CART	ORPARKS	11,481	13,738				14,870						
5246	2018 KUBOTA RTV500 CART	ORPARKS	11,481	13,738				14,870						
5247	2018 KUBOTA RTV500 CART	ORHORT	11,481	13,738				14,870						
5248	2018 KUBOTA RTV500 CART	ORPARKS	11,481	13,738				14,870						
5249	2018 KUBOTA RTV500 CART	ORHORT	11,481	13,738				14,870						
5250	2018 KUBOTA RTV500 CART	ORPARKS	11,481	13,738				14,870						
5251	2018 KUBOTA RTV500 CART	ORPARKS	11,481	13,738				14,870						
5252	2018 KUBOTA RTV X900W TRACTOR	ORFOREST	15,000	16,000				17,319						
<b>Class 5270 - TOOLCATS - (LIFE CYCLE 8-10 YEARS)</b>														
5271	2013 BOBCAT MODEL 5600-F TOOLCAT	SOLD	49,673	80,000									95,607	
5272	2013 BOBCAT MODEL 5600-F TOOLCAT	SOLD	49,673	80,000									95,607	
5273	2016 BOBCAT MODEL 5600-F TOOLCAT	ORPARKS	62,024	80,000		83,232								
5274	2013 BOBCAT MODEL 5600-F W/SPREADER	SOLD	39,633	80,000									95,607	
<b>Class 5300 - TRACTORS - (LIFE CYCLE 15-20 YEARS)</b>														
5301	2010 KUBOTA L3240D TRACTOR	ORPARKS	39,178	45,792			48,595							
5302	2021 KIOTI ENCLOSED CAB TRACTOR	ORPARKS	49,075	45,792										Year 2041
5309	2011 KUBOTA L3940 TRACTOR	ORPARKS	26,964	45,792				49,567						
5311	2011 KUBOTA L3940 TRACTOR	ORPARKS	26,964	45,792				49,567						
5312	2011 KUBOTA L3940 TRACTOR	ORPARKS	26,964	45,792				49,567						
5313	2011 KUBOTA L3940 TRACTOR	ORPARKS	26,964	45,792				49,567						
5319	2014 JOHN DEERE TRACTOR MOWER BOO	ORPARKS	187,279	291,034						334,307				
5320	2018 KIOTI PX1153 PCB TRACTOR	ORPARKS	53,932	68,688										Year 2033
5321	2019 KUBOTA L4060 TRACTOR LOADER	ORFOREST	39,434	45,792										Year 2034
5322	2020 KIOTI TRACTORS PX1153 POWER SHL	ORPARKS	64,449	65,000										Year 2037
5323	2020 KIOTI TRACTOR DK4710SE HST CAB	ORPARKS	32,119	65,000										Year 2040
5324	2020 KIOTI TRACTOR DK4710SE HST CAB	ORPARKS	32,129	65,000										Year 2040
5325	2020 KIOTI TRACTOR DK4710SE HST CAB	ORPARKS	32,148	0										Year 2040
<b>Class 5400 - SKID STEER / LOADERS - (LIFE CYCLE 12-15 YEARS)</b>														
5403	2014 BOBCAT SKID STEER LOADER	ORPARKS	54,136	111,936				121,163						
5405	2015 MELROE BOBCAT ALL-WHEEL LOADE	ORPARKS	50,000	111,936					123,586					
5406	2022 COMPACT SKID STEER LOADER- S77C	ORPARKS	84,500	111,936										Year 2034
<b>Class 5500 - FORK LIFTS - (LIFE CYCLE 20-22 YEARS)</b>														
5501	2012 STARKE FORKLIFT	ORPARKS	25,880	31,546										38,454
5503	2003 NOBLE 8 TON FORKLIFT	ORHORT	32,936	135,000	137,700									
<b>Class 5600 - RAKES - (LIFE CYCLE 12-15 YEARS)</b>														

### FLEET REPLACEMENT SCHEDULE - PARKS OFF ROAD FLEET

(source: FleetFocus as of August 10, 2022)

<u>Unit</u>	<u>Description</u>	<u>Department</u>	<u>Total Cost</u>	<u>Adj. Cost</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>
5601	2013 TORO MODEL 3040 SAND PRO RAKE	ORPARKS	17,614	23,405			24,838							
5607	2014 TORO MODEL 3040 SAND PRO RAKE	ORPARKS	13,834	23,405				25,334						
5609	2022 BEACHTECH MDL 200 BEACH CLEANER	ORPARKS	78,610	0										Year 2034
5623	2001 BANNERMAN QUICK SLITT PLANTER	ORPARKS	24,382	31,546	32,177									
5644	2011 SMITHCO SAND BUNKER RAKE	ORPARKS	16,000	23,405	23,873									
5678	2011 TURFCO TURF CARE ATTACHMENT	SOLD	12,481	16,790	17,126									
5679	2011 SCARIFIER TURF MAINT ATTACHMENT	ORPARKS	19,100	23,914	24,392									
5682	2020 FOLEY BLADE SHARPENING MACHINE	ORPARKS	23,300	0										29,550
<b>Class 5700 - ATTACHMENTS - (LIFE CYCLE 20-22 YEARS)</b>														
5701	2008 HORST SNOW PLOW BLADE	ORPARKS	19,130	0						28,426				
5702	2018 JOHN DEERE UTILITY TRACTOR	ORPARKS	109,975	0										Year 2038
5703	2019 RC TRAILERS COVERED TRAILER	ORPARKS	10,216	0										Year 2039
5704	2021 TORO PRO FORCE DEBRIS BLOWER	ORPARKS	11,648	0										Year 2041
5705	2021 TORO VERSA VAC TURF SWEEPER	ORPARKS	36,831	0										Year 2041
5706	2021 TORO WIRELESS TOP DRESSER	ORPARKS	56,236	0										Year 2041
<b>Class 5800 - TRACKLESS UTILITY - (LIFE CYCLE 10 YEARS)</b>														
5803	2020 TRACKLESS MT7 TRACTOR WITH BRC	ORPARKS	293,402	0								357,656		
5804	2020 TRACKLESS MT7 TRACTOR WITH BRC	ORPARKS	293,103	0								357,291		
<b>Class 5850 - BOATS - (LIFE CYCLE 10 YEARS)</b>														
5850	2018 PRINCECRAFT PONTOON BOAT	ORREC	49,614	0					60,479					
5851	2018 MIDWEST INDUSTRIAL BOAT TRAILER	ORREC	0	0										
<b>Total Number of Active Units:</b>			<b>117</b>	<b>Subtotal:</b>	<b>689,244</b>	<b>1,117,507</b>	<b>333,229</b>	<b>681,207</b>	<b>534,945</b>	<b>453,949</b>	<b>744,557</b>	<b>1,057,635</b>	<b>714,171</b>	<b>1,361,803</b>
<b>Total Number of Units to be Replaced:</b>			<b>117</b>	<b>Unrecoverable HST:</b>	<b>12,132</b>	<b>19,670</b>	<b>5,865</b>	<b>11,991</b>	<b>9,416</b>	<b>7,990</b>	<b>13,106</b>	<b>18,616</b>	<b>12,571</b>	<b>23,970</b>
				<b>Total Estimated Cost:</b>	<b>701,376</b>	<b>1,137,178</b>	<b>339,094</b>	<b>693,198</b>	<b>544,361</b>	<b>461,939</b>	<b>757,663</b>	<b>1,076,251</b>	<b>726,742</b>	<b>1,385,774</b>
<b>Emergency Replacement Contingency:</b>					<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>
<b>Budget Submission:</b>					<b>752,000</b>	<b>1,188,000</b>	<b>390,000</b>	<b>744,000</b>	<b>595,000</b>	<b>512,000</b>	<b>808,000</b>	<b>1,127,000</b>	<b>777,000</b>	<b>1,436,000</b>

**Notes:**

- Total and adjusted costs include purchase price plus capitalization.
- Estimated replacement costs represent the adjusted cost plus an annual inflation factor from the current date. If no adjusted cost is identified, the total cost plus an annual inflation factor from the date of purchase is used. Replacement costs have been adjusted for current market pricing. The inflation factor is currently set to 2.00%.
- Units are placed on the schedule based on an operational assessment. Units are evaluated annually based on a variety of factors to determine if replacements are required in the current year or can be extended.
- Highlighted costs in Year 1 indicate replacements scheduled in previous years. They are not included in the total cost for that year.



# Project Version Summary

<b>Project #</b>	OPS-001-17	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fleet
<b>Title</b>	Fuel Site Equipment Replacement		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

## Project Description

The City of Windsor owns and operates 9 fuel sites at various locations across the City for corporate use. The City also owns and operates 1 retail fuel site at Lakeview Park Marina located at 9200 Riverside Drive East.

In 2017, electric vehicles were introduced in the corporate fleet requiring the installation of charging stations. As the fleet transitions to more electric vehicles, additional charging stations will be installed and added to the infrastructure inventory.

This project is for the replacement of fuel site equipment to ensure fuel is available to the corporate and Police Services fleets and to comply with legislated requirements of the Liquid Fuels Handling code which is monitored by the Technical Standards and Safety Authority (TSSA).

## Version Description

A detailed replacement schedule including all sites and equipment with required funding by year is attached for information.

The City will be receiving 20 charging stations in 2021 – 2023 as approved by Natural Resources Canada's Zero Emission Vehicle Infrastructure Program (ZEVIP). The fuel site inventory plan will be updated as additional charging stations are installed.

## Project Comments/Reference

See Document Attached  
7221007

## Version Comments

## Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5110 Machinery & Equipment - TCA	36,300	62,000	17,780	0	19,950	50,000	50,000	50,000	50,000	122,200	458,230
Total	36,300	62,000	17,780	0	19,950	50,000	50,000	50,000	50,000	122,200	458,230
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
221 Service Sustainability Investm	36,300	62,000	17,780	0	19,950	50,000	50,000	50,000	50,000	122,200	458,230
Total	36,300	62,000	17,780	0	19,950	50,000	50,000	50,000	50,000	122,200	458,230

Related Projects		Historical Approved Budget			Operating Budget Impact			
			Revenue		Effective Date	Unknown	Exp/(Rev) FTE Impact	
		Year	Total Expense	Net City Cost	Subsidies	Description	0	0
		2022	289,100	289,100	0	Any budget deferrel in approved funding will result in an increase in operating costs to maintain equipment and comply with legislated requirements.		
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date			
2017	January 1, 2020	Growth: 0.0 % Maintenance: 100.0 %		Angela Marazita	Ongoing`			



**Fuel Site Replacement Schedule 2023-2032**

Fuel Site	Component	Installation Year	Expected Life*	Replacement Year**	Replacement Cost***	Required Capital Budget by Year****										
						2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
Crawford Yard	2 x 22700L UST Fuel Tank	1990	30-40 years	2022	\$ 200,000.00											
	2 x Dispenser w/ Fuel Pumps	2009	10-15 years	2024	\$ 35,000.00		\$ 43,400.00									
	2200L AST Fuel Tank + Fill-Rite Pump	2016	15-25 years	2036	\$ 5,000.00											
	FuelFocus Controller (8-Hose)	2019	10 years	2029	\$ 20,000.00							\$ 27,800.00				
	VeederRoot	2009	20-25 years	2028	\$ 45,000.00						\$ 50,000.00					
	Underground Piping	2009	20-25 years	2022	\$ 50,000.00	\$ 36,300.00										
	Canopy	2009	20-25 years	2031	\$ 110,000.00											
Parks McDougall	4600L AST Fuel Tank	2014	15-25 years	2034	\$ 10,000.00											
	7500L AST Fuel Tank w/ Steps	2014	15-25 years	2034	\$ 15,000.00											
	2 x Dispenser w/ Fuel Pumps	1991	10-15 years	2022	\$ 30,000.00											
	2200L AST Fuel Tank + Fill-Rite Pump	2020	15-25 years	2040	\$ 5,000.00											
	FuelFocus Controller (4-Hose)	2020	10 years	2030	\$ 18,000.00								\$ 25,000.00			
Little River	4600L AST Fuel Tank + Fill-Rite Pump	2010	15-25 years	2031	\$ 7,000.00									\$ 10,150.00		
	4500L AST Fuel Tank + Fill-Rite Pump	2020	15-25 years	2040	\$ 7,000.00											
	2200L AST Fuel Tank + Fill-Rite Pump	2020	15-25 years	2040	\$ 5,000.00											
	FuelFocus Controller (4-Hose)	2020	10 years	2030	\$ 18,000.00								\$ 25,000.00			
Malden Park	2 x 2300L AST Fuel Tank + Fill-Rite Pumps	2012	15-25 years	2032	\$ 10,000.00										\$ 14,800.00	
	FuelFocus Controller (2-Hose)	2014	10 years	2024	\$ 15,000.00		\$ 18,600.00									
Solid Waste	4600L AST Fuel Tank + Fill-Rite Pump	2011	15-25 years	2031	\$ 7,000.00											
	8850L AST Fuel Tank + 2 x High Flow Fill-Rite Pumps	2021	15-25 years	2041	\$ 20,000.00											
	FuelFocus Controller (4-Hose)	2021	10 years	2031	\$ 18,000.00									\$ 26,100.00		
Fire Station #1	4500L Dual Comp. AST Fuel Tank + Fill-Rite Pumps	2018	15-25 years	2038	\$ 10,000.00											
	FuelFocus Controller (2-Hose)	2019	10 years	2029	\$ 15,000.00							\$ 22,200.00				
Fire Station #2	4500L AST Fuel Tank + Fill-Rite Pump	2005	15-25 years	2025	\$ 7,000.00			\$ 8,890.00								
Fire Station #3	4500L AST Fuel Tank + Fill-Rite Pump	2005	15-25 years	2025	\$ 7,000.00			\$ 8,890.00								
Fire Apparatus	2 x 2300L AST Fuel Tank + Fill-Rite Pumps	2017	15-25 years	2037	\$ 10,000.00											
	FuelFocus Controller (2-Hose)	2017	10 years	2027	\$ 15,000.00					\$ 19,950.00						
Lakeview Marina	35000L Dual Compartment UST Fuel Tank w/ Pumps	2017	30-40 years	2047	\$ 200,000.00											
	2 x Dispenser	2017	10-15 years	2032	\$ 35,000.00										\$ 51,800.00	
	VeederRoot	2017	20-25 years	2037	\$ 45,000.00											
	Underground Piping	2017	20-25 years	2037	\$ 50,000.00											
Electric Charging Stations	Level 2 Charging Station - Crawford Yard (Unit #0485)	2017	10 years	2031	\$ 2,000.00									\$ 2,720.00		
	Level 2 Charging Station - Crawford Yard (Unit #0490)	2019	10 years	2031	\$ 2,000.00									\$ 150.00		
	Level 2 Charging Station - 1266 McDougall (Unit #0486)	2019	10 years	2031	\$ 2,000.00									\$ 2,720.00		
	Level 2 Charging Station - 1266 McDougall (Unit #0487)	2019	10 years	2031	\$ 2,000.00									\$ 2,720.00		
	Level 2 Charging Station - Lou Romano Plant (Unit #0488)	2019	10 years	2031	\$ 2,000.00									\$ 2,720.00		
	Level 2 Charging Station - 400 City Hall (Unit #0489)	2019	10 years	2031	\$ 2,000.00									\$ 2,720.00		
	Level 2 Charging Station - Fire Station #1 (Unit #3039)	2019	10 years	2031	\$ 2,000.00											
	Level 2 Charging Stations - Solid Waste Yard (8 Units)	2022	10 years	2032	\$ 16,000.00										\$ 22,240.00	
	Level 2 Charging Stations - Parks McDougall Yard (3 Units)	2022	10 years	2032	\$ 6,000.00										\$ 8,340.00	
Level 2 Charging Stations - Crawford Yard (9 Units)	2022	10 years	2032	\$ 18,000.00										\$ 25,020.00		
<b>Totals:</b>						<b>\$ 36,300.00</b>	<b>\$ 62,000.00</b>	<b>\$ 17,780.00</b>	<b>\$ -</b>	<b>\$ 19,950.00</b>	<b>\$ 50,000.00</b>	<b>\$ 50,000.00</b>	<b>\$ 50,000.00</b>	<b>\$ 50,000.00</b>	<b>\$ 122,200.00</b>	

\*Expected life ranges provided by MWH Petroleum, Waddick Fuels, AssetWorks, and Sun Country Highway (electric charging stations).

\*\*Replacement year to be selected within expected life range. Historically, above ground storage tanks have lasted 20 years on average and dispensers over 15 years. Replacements of all other components have been assigned to the first year of the expected life range.

\*\*\*Replacement costs based on estimates provided by suppliers and inflated historical costs and do not include clean up costs of any contaminated soil or ground water. See the Replacement Cost Estimates sheets for details by component. Replacement cost for Lakeview Marina fuel site estimated based on replacement costs for individual components of Crawford Yard fuel site.

\*\*\*\*Replacement costs from 2016 for fuel sites and 2019 for electric charging stations inflated annually by 3% (not compounded).



## Project Version Summary

<b>Project #</b>	OPS-001-20	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fleet
<b>Title</b>	Corporate Fleet Software System		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

This project is to address fleet software systems related improvements and upgrades to ensure efficient operations in all fleet areas.

FleetFocus is the corporate fleet management software solution utilized to track and manage all functions related to the maintenance of vehicles and equipment including processing of repair and preventative maintenance work orders and capturing operating expenses (i.e. fuel, parts, licensing, insurance, depreciation). It is also utilized to manage fleet replacement planning as well as parts and tool inventories.

FuelFocus is the corporate fuel management system utilized by Public Works Operations at corporate fuel sites to control access, manage the supply, usage and costing of fuel to vehicles and equipment. The City of Windsor owns and operates 9 corporate fuel sites and is working towards automating all sites to eliminate manual records as per the Fuel Site Review completed in 2014.

FOCUS is the corporate GPS/AVL system utilized to track location, travel patterns and usage of those units that have been equipped with the technology.

### Version Description

**FleetFocus:**  
Migration to a web based system will allow users to leverage new features and gain efficiencies, improve system availability and decrease maintenance requirements. It will also provide many role-based portals, and provide enhanced reporting functionality. Moving to a web based software application will allow users to access the software from any network connected personal computer and decrease the maintenance requirements for the Information Technology Department. It will also allow users to leverage new features as new development and enhancements are directed towards the web version of the software. The estimated cost of the migration includes the purchase of software licences, implementation services and training as well as the impact of the US exchange rate.

**FuelFocus:**  
The last fuel site to upgrade to Windows 7 is located at the Environmental Services. The cost to complete the upgrade to Windows 7 is approximately \$12,000 per site. There are 2 sites that have not yet been automated and rely on manual records. These sites are located at 3121 Milloy and 2750 Ouellette. This project will address the implementation of the City's fuel management system (FuelFocus) at these fuel sites.

**FOCUS:**  
Additional functionality will enhance tracking and reporting capabilities.

**DriveON:**  
A new digital program combining emission and safety inspections for heavy diesel commercial motor vehicles, called DriveON, will begin for existing motor vehicle inspection stations in 2022. The new program will require training for technicians and the purchase of inspection equipment including tablets.

<b>Project Comments/Reference</b> 7209002 This project is a consolidation and replaces: OPS-002-16 Fuel Site Automation Initiatives and OPS-005-16 FleetFocus Web Migration.	<b>Version Comments</b> There is an annual software maintenance fee for the FleetFocus system that is shared among the fleet areas. The Fire department is no longer utilizing FleetFocus as a work order management system as of 2021. An upgrade of the existing FleetFocus graphic user interface (GUI) version was completed in 2019 and the database was moved to a new server in 2021 to prepare for the migration to a web based environment. Automation of the fuel sites at the Apparatus Division of Fire was completed in 2017 and Fire Headquarters was completed in 2019. The Environmental fuel site was upgraded in 2021 to include both clear and coloured diesel.
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<b>Project Detailed Forecast</b>												
<b>GL Account</b>		<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>												
5126	Computer Software	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	60,000	510,000
	Total	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	60,000	510,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	60,000	510,000
	Total	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	60,000	510,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>			
			<b>Revenue</b>					
	<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Effective Date</b>	Unknown	<b>Exp/(Rev)</b>	<b>FTE Impact</b>
	2020	20,000	20,000	0	<b>Description</b>		0	0
	2021	50,000	50,000	0	No Operating Budget Impact			
	2022	85,000	85,000	0				

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2020	January 1, 2020	Growth: 100.0 % Maintenance: 0.0 %	Angela Marazita	Ongoing`



# Project Version Summary

<b>Project #</b>	OPS-001-23	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fleet
<b>Title</b>	Fleet Garage Equipment		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>											
The Fleet Division operates from multiple locations. This project is for the purchase of garage equipment required to comply with legislated requirements for the maintenance and repair of vehicles and equipment.											
<b>Version Description</b>											
<b>Project Comments/Reference</b>						<b>Version Comments</b>					
<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5110 Machinery & Equipment - TCA	0	0	0	0	0	0	0	0	0	250,000	250,000
Total	0	0	0	0	0	0	0	0	0	250,000	250,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
221 Service Sustainability Investm	0	0	0	0	0	0	0	0	0	250,000	250,000
Total	0	0	0	0	0	0	0	0	0	250,000	250,000

Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2023	January 1, 2023	Growth: 0.0 % Maintenance: 0.0 %	Angela Marazita / Chad Goebel	Ongoing`



## Project Version Summary

<b>Project #</b>	OPS-002-17	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fleet
<b>Title</b>	Fuel Site Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	Ward 3		
<b>Version Name</b>	Main (Active)		

### Project Description

The City of Windsor owns and operates 9 fuel sites at the following locations:  
 Crawford Yard - 1531 Crawford Avenue  
 McDougall Parks Yard – 2461 McDougall  
 Malden Park – 4255 Matchette Road  
 Little River Parks Yard – 9578 Little River Road  
 Environmental Services Yard – 3540 North Service Road  
 Fire Station #1 – 815 Goyeau Street  
 Fire Station #2 – 3121 Milloy  
 Fire Station #3 – 2750 Ouellette Avenue  
 Fire Apparatus – 2885 Kew Drive

The City also owns and operates 1 retail fuel site at Lakeview Park Marina located at 9200 Riverside Drive East.

On behalf of the government of Ontario, the Technical Standards and Safety Authority (TSSA) regulates fuel sites to ensure conformance to the Technical Standards and Safety Act, 2000, and applicable regulations, codes and standards. The Liquid Fuels Handling Code is a provincial code developed by the TSSA and regulates the storage and handling of fuels at bulk plants, marinas, retail outlets and private outlets.

This project is to ensure the safe operation of all corporate fuel sites and to maintain compliance with provincial regulations.

### Version Description

The Liquid Fuels Handling Code 2017 was adopted by the TSSA on June 14, 2017 and is effective October 1, 2017. As a result, rehabilitation is required at various sites to ensure compliance with the new regulation.

### Project Comments/Reference

7221055

### Version Comments

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5110	Machinery & Equipment - TCA	6,050	50,000	50,000	50,000	50,000	25,000	25,000	25,000	25,000	25,000	331,050
Total		6,050	50,000	50,000	50,000	50,000	25,000	25,000	25,000	25,000	25,000	331,050
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
221	Service Sustainability Investm	6,050	50,000	50,000	50,000	50,000	25,000	25,000	25,000	25,000	25,000	331,050
Total		6,050	50,000	50,000	50,000	50,000	25,000	25,000	25,000	25,000	25,000	331,050
<b>Related Projects</b>		<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>						
				<b>Revenue</b>				<b>Effective Date</b>	Unknown	<b>Exp/(Rev)</b>		<b>FTE Impact</b>
		<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>			<b>Description</b>		0	0	
		2022	153,240	153,240	0			Any budget deferrel in approved funding will result in an increase in operating costs to maintain sites and comply with legislated requirements.				
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>			<b>Est. Completion Date</b>					
2017	January 1, 2017	Growth: 0.0 % Maintenance: 100.0 %		Angela Marazita			Ongoing`					



# Project Version Summary

<b>Project #</b>	OPS-005-08	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fleet
<b>Title</b>	Corporate Fleet Replacement Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>
This project is for the replacement of dedicated vehicles and equipment in the corporate fleet.

<b>Version Description</b>
Annual budget requests are based on the Fleet Division's projections of required replacements.
The COVID-19 pandemic and supply chain issues have affected the availability of cost of vehicles and equipment and have delayed delivery dates. Furthermore, incentives are being reduced or eliminated resulting in increased purchase costs. When reviewing the 10 year replacement plan during the 2023 budget development, Administration considered these factors as well as the deferral of replacements if condition assessments warranted doing so, It was determined that an increased contribution of \$205,000 annually for each of the three consecutive years 2023 through 2025 is required to ensure its sustainability. Should operating issue 2023-0097 not be approved, significant changes to the 10-year replacement plan will be required to ensure reserve sustainability to 2032.
Pricing for the new equipment included in this plan have been updated to reflect current 2022-2023 pricing, pricing may continue to fluctuate over the life of the plan. Any salvages received for equipment sold are returned back to this reserve.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
See Document Attached (Closed: 7085004/7091012/7101015/7111028/7121009/7131112/714 1002/7151004/7161033/7171021/7181016) Active: 7191001/7201008/7211033/7221004/7231003	COMMITMENT CR331/2022 C 119/2022: 2023 F136 \$848,678

<b>Project Detailed Forecast</b>												
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>	
<b>Expenses</b>												
5110 Machinery & Equipment - TCA	2,498,000	3,132,000	1,515,000	2,500,000	2,796,000	1,569,000	2,034,000	2,170,000	3,136,000	3,350,000	24,700,000	
Total	2,498,000	3,132,000	1,515,000	2,500,000	2,796,000	1,569,000	2,034,000	2,170,000	3,136,000	3,350,000	24,700,000	
<b>Revenues</b>												
136 Equipment Replacement	1,649,322	3,132,000	1,515,000	2,500,000	2,796,000	1,569,000	2,034,000	2,170,000	3,136,000	3,350,000	23,851,322	
136CF Committed Funding	848,678	0	0	0	0	0	0	0	0	0	848,678	
Total	2,498,000	3,132,000	1,515,000	2,500,000	2,796,000	1,569,000	2,034,000	2,170,000	3,136,000	3,350,000	24,700,000	



Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2008	2,000,000	2,000,000	0				
		2009	2,500,000	2,500,000	0				
		2010	1,625,171	1,625,171	0				
		2011	872,732	872,732	0				
		2012	1,750,000	1,750,000	0				
		2013	1,240,000	1,240,000	0				
		2014	780,000	780,000	0				
		2015	1,131,000	1,131,000	0				
		2016	1,560,500	1,560,500	0				
		2017	1,021,000	1,021,000	0				
		2018	1,574,000	1,574,000	0				
		2019	2,606,000	2,606,000	0				
		2020	2,288,000	2,288,000	0				
		2021	1,057,000	1,057,000	0				
		2022	1,920,000	1,920,000	0				
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>		<b>Est. Completion Date</b>			
2008	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %		Angela Marazita		Ongoing`			

**FLEET REPLACEMENT SCHEDULE - CORPORATE FLEET**

(source: FleetFocus as of August 10, 2022)

<u>Unit</u>	<u>Description</u>	<u>Department</u>	<u>Total Cost</u>	<u>Adj. Cost</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>
<b>Class 110 - VANS (Life Cycle 7 - 9 Years)</b>														
0259	2010 CHEVROLET EXPRESS CARGO VAN	PW LAB	36,783	42,000								49,210		
0260	2011 CHEVROLET EXPRESS CARGO VAN	FAC MGT	27,312	42,000								49,210		
0262	2022 CHEVROLET 2500 EXPRESS CARGO VAN	PW LAB	34,597	0								40,536		
0263	2022 CHEVROLET 2500 EXPRESS CARGO VAN	FAC MGT	34,597	0								40,536		
0264	2022 CHEVROLET 2500 EXPRESS CARGO VAN	PW SURVEY	34,597	0								40,536		
0270	2012 CHEVROLET EXPRESS CARGO VAN	FAC MGT	38,303	42,000								49,210		
0271	2017 CHEVROLET E2500 EXPRESS CARGO VAN	PW LAB	34,552	42,000			44,571							
0272	2017 CHEVROLET E2500 EXPRESS CARGO VAN	FAC MGT	34,552	42,000			44,571							
0273	2017 CHEVROLET E2500 EXPRESS CARGO VAN	FAC MGT	34,552	42,000			44,571							
0274	2017 CHEVROLET E2500 EXPRESS CARGO VAN	FAC MGT	34,552	42,000			44,571							
0276	2017 CHEVROLET E2500 EXPRESS CARGO VAN	PW SEWER	34,552	42,000			44,571							
0277	2018 CHEVROLET E2500 EXPRESS CARGO VAN	PW SURVEY	31,215	42,000			44,571							
0278	2018 CHEVROLET E2500 EXPRESS CARGO VAN	FAC MGT	31,215	42,000			44,571							
0279	2018 CHEVROLET E2500 EXPRESS CARGO VAN	FAC MGT	31,215	42,000			44,571							
0280	2018 CHEVROLET E2500 EXPRESS CARGO VAN	PW SURVEY	31,215	42,000			44,571							
0281	2018 CHEVROLET E2500 EXPRESS CARGO VAN	FAC MGT	31,215	42,000			44,571							
0282	2018 CHEVROLET E2500 EXPRESS CARGO VAN	FAC MGT	31,215	42,000			44,571							
0283	2018 CHEVROLET E2500 EXPRESS CARGO VAN	PW SURVEY	31,215	42,000			44,571							
0284	2020 FORD F250 TRANSIT CARGO VAN	FAC MGT	45,187	42,000					46,371					
0285	2020 FORD F250 TRANSIT CARGO VAN	FAC MGT	40,998	42,000					46,371					
0298	2020 FORD TRANSIT CARGO VAN	PW Q A	38,644	42,000						47,299				
0299	2020 FORD TRANSIT CARGO VAN	PW Q A	38,341	42,000					46,371					
3027	2013 FORD ECONO SUPER CARGO VAN	FIRE	27,619	42,000		43,697								
<b>Class 120 - CUBE VANS (Life Cycle 9 - 11 Years)</b>														
0304	2012 GMC SAVANA UNICELL VAN	PW SEWER	46,655	60,000	61,200									
0305	2017 GMC EXPRESS 3500 CUBE VAN	LIBRARY	38,423	60,000					66,245					
<b>Class 145 - MINI VANS (Life Cycle 7 - 9 Years)</b>														
0339	2020 DODGE GRAND CARAVAN	PARK SERV	28,633	45,000						50,677				
0340	2020 DODGE GRAND CARAVAN	PW SURVEY	27,905	45,000						50,677				
0341	2020 DODGE GRAND CARAVAN	PW SURVEY	26,908	45,000						50,677				
0342	2020 DODGE GRAND CARAVAN	TRAF ADMIN	27,145	45,000						50,677				
0343	2020 DODGE GRAND CARAVAN	PARKS DD	27,051	45,000						50,677				
0344	2020 DODGE GRAND CARAVAN	INFO TECH	26,714	45,000						50,677				
0346	2016 DODGE GRAND CARAVAN SE	PW SURVEY	21,846	45,000		46,818								
0347	2016 DODGE GRAND CARAVAN SE	PW LRPCP	21,846	45,000		46,818								
0348	2016 DODGE GRAND CARAVAN SE	BUILDING	21,846	45,000		46,818								

**FLEET REPLACEMENT SCHEDULE - CORPORATE FLEET**

(source: FleetFocus as of August 10, 2022)

<u>Unit</u>	<u>Description</u>	<u>Department</u>	<u>Total Cost</u>	<u>Adj. Cost</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>
0349	2016 DODGE GRAND CARAVAN SE	PARK SERV	21,846	45,000		46,818								
0382	2019 DODGE GRAND CARAVAN SXT	PW CONTRAC	27,187	45,000					49,684					
0383	2014 DODGE GRAND CARAVAN	BUILDING	19,795	45,000									53,779	
0384	2014 DODGE GRAND CARAVAN	BUILDING	19,795	45,000									53,779	
0385	2014 DODGE GRAND CARAVAN	BUILDING	19,795	45,000									53,779	
0386	2014 DODGE GRAND CARAVAN	BUILDING	19,795	45,000									53,779	
0387	2014 DODGE GRAND CARAVAN	BUILDING	19,795	45,000									53,779	
0388	2014 DODGE GRAND CARAVAN	BUILDING	19,795	45,000									53,779	
0389	2014 DODGE GRAND CARAVAN	BUILDING	19,795	45,000									53,779	
0390	2014 DODGE GRAND CARAVAN	BUILDING	19,795	45,000									53,779	
0391	2014 DODGE GRAND CARAVAN	BUILDING	19,795	45,000									53,779	
0392	2014 DODGE GRAND CARAVAN	BUILDING	19,795	45,000									53,779	
0393	2014 DODGE GRAND CARAVAN	BUILDING	19,795	45,000									53,779	
0395	2016 DODGE CARAVAN MINIVAN	PARKS	23,739	45,000		46,818								
0396	2016 DODGE CARAVAN MINIVAN	PW TECHNIC	23,739	45,000		46,818								
0397	2016 DODGE CARAVAN MINIVAN	PW TECHNIC	23,739	45,000		46,818								
0398	2016 DODGE CARAVAN MINIVAN	SIGNALS	23,739	45,000		46,818								
0399	2016 DODGE CARAVAN MINIVAN	PW ENFORCE	23,739	45,000		46,818								
0401	2017 DODGE CARAVAN MINIVAN	PW CONTRAC	24,686	45,000			47,754							
0402	2017 DODGE CARAVAN MINIVAN	PW SURVEY	24,686	45,000			47,754							
0403	2017 DODGE CARAVAN MINIVAN	PW SURVEY	24,686	45,000			47,754							
0404	2017 DODGE CARAVAN MINIVAN	PW CONTRAC	24,686	45,000			47,754							
0405	2017 DODGE CARAVAN MINIVAN	PW PUMP ST	24,686	45,000		46,818								
0406	2019 DODGE CARAVAN MINIVAN	PARK SERV	28,648	45,000				48,709						
0407	2019 DODGE CARAVAN MINIVAN	FAC MGT	28,648	45,000				48,709						
0408	2019 DODGE CARAVAN MINIVAN	FORESTRY	28,648	45,000				48,709						
0409	2019 DODGE GRAND CARAVAN	BUILDING	24,139	45,000					49,684					
0410	2019 DODGE GRAND CARAVAN	BUILDING	23,940	45,000					49,684					
0411	2019 DODGE CARAVAN MINIVAN	PW SURVEY	26,587	45,000				48,709						
0412	2019 DODGE CARAVAN MINIVAN	BUILDING	26,587	45,000				48,709						
0413	2019 DODGE GRAND CARAVAN	BUILDING	23,983	45,000					49,684					
0414	2019 DODGE GRAND CARAVAN	PW SURVEY	26,291	45,000					49,684					
0415	2019 DODGE GRAND CARAVAN	PW Q A	25,522	45,000					49,684					
0416	2019 DODGE CARAVAN MINIVAN	PW Q A	26,587	45,000				48,709						
0417	2019 DODGE GRAND CARAVAN	PW WWPCP	23,743	45,000					49,684					
3019	2013 DODGE GRAND CARAVAN MINIVAN	FIRE	18,863	45,000		46,818								
3020	2013 DODGE GRAND CARAVAN MINIVAN	FIRE	18,863	45,000		46,818								

### **FLEET REPLACEMENT SCHEDULE - CORPORATE FLEET**

(source: FleetFocus as of August 10, 2022)

<u>Unit</u>	<u>Description</u>	<u>Department</u>	<u>Total Cost</u>	<u>Adj. Cost</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>
3021	2013 DODGE GRAND CARAVAN MINIVAN	FIRE	18,863	45,000		46,818								
3025	2013 DODGE GRAND CARAVAN MINIVAN	COMPOUND	18,594	45,000	45,900									54,855
3028	2014 DODGE GRAND CARAVAN	FIRE	19,757	45,000		46,818								
3029	2014 DODGE GRAND CARAVAN	FIRE	19,757	45,000		46,818								
3031	2016 DODGE CARAVAN MINIVAN	FIRE	21,613	45,000		46,818								
3032	2016 DODGE CARAVAN MINIVAN	FIRE	21,613	45,000		46,818								
3033	2016 DODGE CARAVAN MINIVAN	FIRE	21,613	45,000			47,754							
3037	2017 DODGE CARAVAN MINIVAN	FIRE	22,770	45,000									53,779	
3038	2019 DODGE CARAVAN MINIVAN	FIRE	25,503	45,000				48,709						
3041	2020 DODGE GRAND CARAVAN	FIRE	26,019	45,000						50,677				
3042	2020 DODGE GRAND CARAVAN	FIRE	26,019	45,000						50,677				
3043	2020 DODGE GRAND CARAVAN	FIRE	26,019	45,000						50,677				
3044	2021 FORD TRANSIT CONNECT VAN	FIRE	30,094	45,000					49,684					
3045	2021 FORD TRANSIT CONNECT VAN	FIRE	30,218	45,000					49,684					
<b>Class 155 - CROSSOVERS (Life Cycle 8 - 10 Years)</b>														
0450	2021 CHEVROLET EQUINOX LS	BYLAW	27,182	30,000								34,461		
0451	2021 CHEVROLET EQUINOX LS	BYLAW	26,964	30,000								34,461		
0452	2021 CHEVROLET EQUINOX LS	BYLAW	26,895	30,000								34,461		
0453	2021 CHEVROLET EQUINOX LS	BYLAW	26,643	30,000								34,461		
0454	2021 CHEVROLET EQUINOX LS	BYLAW	27,181	30,000								34,461		
0455	2021 CHEVROLET EQUINOX LS	BYLAW	27,003	30,000								34,461		
0456	2021 CHEVROLET EQUINOX LS	BYLAW	27,291	30,000								34,461		
0457	2021 CHEVROLET EQUINOX LS	BYLAW	27,181	30,000								34,461		
0458	2021 CHEVROLET EQUINOX LS	BYLAW	26,584	30,000								34,461		
0459	2021 CHEVROLET EQUINOX LS	BYLAW	27,547	30,000								34,461		
0472	2021 CHEVROLET EQUINOX LS	BYLAW	26,995	30,000								34,461		
0473	2021 CHEVROLET EQUINOX LS	BYLAW	26,855	30,000								34,461		
<b>Class 163 - ELECTRIC VEHICLES (Life Cycle 6 - 8 Years)</b>														
0026	2022 EV CHARGING STATION - ENVIRONMENTAL	PW ENVTAL	0	0										Year ????
0485	2017 CHEVROLET BOLT	BUILDING	44,553	45,000		46,818								
0486	2019 CHEVROLET BOLT EV	PARKING	50,839	45,000					48,709					
0487	2018 FORD FOCUS EV HATCH	PARK SERV	36,961	45,000			47,754							
0488	2018 FORD FOCUS EV HATCH	PW WWPCP	39,178	45,000			47,754							
0489	2018 FORD FOCUS EV HATCH	TRAF STUD	45,741	45,000			47,754							
0490	2019 CHEVROLET BOLT EV	PW CONTRAC	48,648	45,000					48,709					
3039	2018 FORD FOCUS EV HATCH	FIRE	39,034	45,000			47,754							
<b>Class 165 - GAS / ELECTRIC HYBRIDS (Life Cycle 6 - 8 Years)</b>														

### FLEET REPLACEMENT SCHEDULE - CORPORATE FLEET

(source: FleetFocus as of August 10, 2022)

<u>Unit</u>	<u>Description</u>	<u>Department</u>	<u>Total Cost</u>	<u>Adj. Cost</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>
0499	2021 CHRYSLER PACIFICA PLUG-IN HYBRID	BUILDING	49,514	45,000						50,677				
0500	2021 CHRYSLER PACIFICA PLUG-IN HYBRID	BUILDING	49,533	45,000						50,677				
0501	2021 CHRYSLER PACIFICA PLUG-IN HYBRID	BUILDING	51,760	45,000						50,677				
0502	2021 CHRYSLER PACIFICA PLUG-IN HYBRID	BUILDING	49,541	45,000						50,677				
0503	2021 CHRYSLER PACIFICA PLUG-IN HYBRID	BUILDING	49,781	45,000						50,677				
0504	2021 CHRYSLER PACIFICA PLUG-IN HYBRID	BUILDING	49,022	45,000						50,677				
0506	2016 FORD C-MAX HYBRID SE	MAILROOM	25,498	45,000		46,818								
0507	2017 FORD C-MAX ENERGI PLUG-IN HYBRID	INFO TECH	28,715	45,000		46,818								
<b>Class 200 - SMALL PICKUPS (Life Cycle 7 - 9 Years)</b>														
0603	2009 CHEVROLET COLORADO LT PICKUP	FAC MGT	21,348	32,000								37,493		
0604	2022 CHEVROLET COLORADO EXT CAB PICKUP	PARKS	29,528	0									35,289	
0606	2011 FORD RANGER PICKUP EXTENDED CAB 6'	PW SURVEY	19,094	32,000								37,493		
<b>Class 210 - LARGE PICKUPS (Life Cycle 7 - 9 Years)</b>														
0610	2021 CHEVROLET SILVERADO 2500 CREWCAB	PARKS	42,011	50,000								58,583		
0611	2021 CHEVROLET SILVERADO 2500 CREWCAB	PARKS	42,814	50,000								58,583		
0612	2018 CHEVROLET SILVERADO 1500 PICKUP	FORESTRY	27,877	35,000			37,142							
0613	2013 CHEVROLET SILVERADO1500 EXT CAB	PW ELECTR	24,217	40,000	40,800									48,760
0614	2013 CHEVROLET SILVERADO 1500 EXT CAB	PW ROW MAI	24,217	40,000								46,866		
0615	2013 CHEVROLET SILVERADO 1500 PICKUP	PW SURVEY	23,928	35,000								41,008		
0638	2019 CHEVROLET SILVERADO 1500 PICKUP	PARKS	31,534	35,000							40,204			
0639	2019 CHEVROLET SILVERADO 1500 PICKUP	PW SEWER	31,826	35,000							40,204			
0640	2019 CHEVROLET SILVERADO 1500 PICKUP	PW ROW MAI	32,304	35,000							40,204			
0641	2019 CHEVROLET SILVERADO 1500 PICKUP	PW CONTRAC	31,692	35,000							40,204			
0642	2019 CHEVROLET SILVERADO 1500 PICKUP	PARKS DD	30,552	35,000							40,204			
0643	2019 CHEVROLET SILVERADO 1500 PICKUP	PW SEWER	32,067	35,000							40,204			
0644	2019 CHEVROLET SILVERADO 1500 PICKUP	PW PUMP ST	29,970	35,000							40,204			
0647	2019 CHEVROLET SILVERADO 1500 PICKUP	SIGNALS	31,715	35,000							40,204			
0649	2016 FORD F250 XL REG CAB 4X4 PICKUP	PW ENVTAL	37,082	45,000	45,900									54,855
0650	2016 FORD F250 XL REG CAB 4X4 PICKUP	PW ENVTAL	37,082	45,000	45,900									54,855
0651	2017 CHEVROLET SILVERADO WT 2500 PICKUP	PARKS	34,185	40,000		41,616								
0652	2017 CHEVROLET SILVERADO WT 2500 PICKUP	PARKS	34,185	40,000		41,616								
0653	2017 CHEVROLET SILVERADO WT 2500 PICKUP	PARKS	34,185	40,000		41,616								
0678	2020 CHEVROLET SILVERADO 1500 PICKUP	PW SEWER	29,541	35,000					38,643					
0679	2020 CHEVROLET SILVERADO 1500 PICKUP	PW ROW MAI	29,804	35,000					38,643					
0680	2019 FORD F250 CREWCAB PICKUP 6' 6" BOX	PARKS	37,800	40,000				43,297						
0681	2019 FORD F250 CREWCAB PICKUP 6' BOX	PARKS	37,800	40,000				43,297						
0682	2019 FORD F250 CREWCAB PICKUP 6' BOX	PARKS	37,800	40,000				43,297						

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0683	2020 CHEVROLET SILVERADO 1500 PICKUP	PW ENFORCE	30,784	35,000					38,643					
0684	2020 CHEVROLET SILVERADO 1500 PICKUP	PW ENFORCE	30,360	35,000					38,643					
0685	2020 CHEVROLET SILVERADO 1500 PICKUP	PW SURVEY	29,119	35,000					38,643					
0700	2021 CHEVROLET SLVERADO 1500 EXT CAB	HORTICULT	31,010	35,000								41,008		
0701	2021 CHEVROLET SLVERADO 1500 EXT CAB	PARKS	35,564	35,000								41,008		
0702	2021 CHEVROLET SILVERADO 1500 EXT CAB	PARKS	31,653	35,000								41,008		
0714	2015 CHEVROLET SILVERADO 1500 PICKUP	PW ENFORCE	24,846	40,000	40,800									48,760
0715	2015 CHEVROLET SILVERADO 1500 PICKUP	PW SURVEY	24,846	40,000	40,800									48,760
0716	2015 CHEVROLET SILVERADO 1500 PICKUP	PW SURVEY	24,846	40,000		41,616								
0717	2015 CHEVROLET SILVERADO 1500 PICKUP	PARKS	24,846	40,000									47,804	
0718	2015 CHEVROLET SILVERADO 1500 PICKUP	PARKS	24,846	40,000									47,804	
<b>Class 220 - REULAR PICKUPS (Life Cycle 7 - 9 Years)</b>														
0632	2022 FORD F150 REG CAB 8` BOX	PW SURVEY	44,115	0									52,721	
0654	2017 FORD F150 EXT CAB PICKUP	PW PUMP ST	29,517	40,000		41,616								
0655	2017 FORD F150 EXT CAB PICKUP	PW PUMP ST	29,517	40,000		41,616								
0656	2017 FORD F150 EXT CAB PICKUP	PW ROW MAI	29,517	40,000		41,616								
0657	2017 FORD F150 EXT CAB PICKUP	FORESTRY	29,517	40,000		41,616								
0658	2018 CHEVROLET SILVERADO 1500 EXT CAB PU	PW CONTRAC	31,597	40,000			42,448							
0659	2018 CHEVROLET SILVERADO 1500 REG CAB PU	SIGNALS	32,374	40,000			42,448							
0660	2018 FORD F150 PICKUP	FAC MGT	31,772	40,000			42,448							
0670	2019 FORD F150 PICKUP	PW ENVTAL	38,425	40,000						45,947				
0671	2019 FORD F150 PICKUP	PW ENVTAL	38,987	40,000						45,947				
0672	2019 FORD F150 PICKUP	PW ENVTAL	36,129	40,000						45,947				
0673	2019 FORD F150 PICKUP	HORTICULT	31,733	40,000						45,947				
0674	2019 FORD F150 PICKUP	FAC MGT	31,497	40,000						45,947				
0675	2019 FORD F150 PICKUP	PW SURVEY	31,168	40,000						45,947				
0676	2019 FORD F150 PICKUP	PW SURVEY	31,524	40,000						45,947				
0677	2019 FORD F150 PICKUP	PW ROW MAI	34,458	40,000						45,947				
0686	2019 GMC SIERRA STD CAB 1500 PICKUP	PW ENVTAL	41,626	45,000						51,691				
0719	2016 FORD F150 PICKUP REG CAB 8` BOX	PARKS	32,081	40,000	40,800									48,760
0720	2016 FORD F150 PICKUP REG CAB 8` BOX	PARKS	32,081	40,000	40,800									48,760
0721	2016 FORD F150 PICKUP REG CAB 8` BOX	PW WWPCP	32,081	40,000	40,800									48,760
0722	2016 FORD F150 PICKUP REG CAB 8` BOX	SIGNSMARKS	32,081	40,000	40,800									48,760
0723	2016 FORD F150 PICKUP REG CAB 8` BOX	FAC MGT	32,081	40,000	40,800									48,760
0724	2016 FORD F150 PICKUP REG CAB 8` BOX	PW ENVTAL	32,081	40,000	40,800									48,760
0725	2017 GMC SIERRA 1500 REGULAR CAB PICKUP	SIGNSMARKS	34,806	40,000		41,616								
<b>Class 230 - SERVICE BODY UTILITY (Life Cycle 9 - 11 Years)</b>														

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0745	2021 FORD F350 UTILITY SERVICE BODY	SIGNSMARKS	90,373	90,000									107,558	
0746	2021 FORD F350 UTILITY SERVICE BODY	SIGNSMARKS	91,351	90,000									107,558	
0747	2021 FORD F350 UTILITY SERVICE BODY	SIGNSMARKS	91,960	90,000									107,558	
0748	2021 FORD F350 UTILITY SERVICE BODY	SIGNSMARKS	90,139	90,000									107,558	
0750	2012 GMC SAVANA CUTAWAY STAHL HI-ROOF	PW ELECTR	54,847	75,000	76,500									
0751	2012 GMC SAVANA CUTAWAY STAHL HI-ROOF	PW ELECTR	54,847	75,000	76,500									
0752	2013 FORD F350 SUPER DUTY SERVICE TRUCK	PARKS	51,802	60,000										
0753	2014 FORD F350 SUPER DUTY DUMP TRUCK	PARKS	62,023	100,000	102,000									
0754	2014 FORD F350 SUPER DUTY DUMP TRUCK	FAC MGT	46,713	60,000	61,200									
0764	2007 FORD F350 4X2 XL SUPER DUTY	PW EQUIP	80,409	102,923										125,463
0770	2011 CHEVROLET SILVERADO 2500 4X4 PICKUP	PW WWPCP	30,493	60,000										
0771	2012 CHEVROLET SILVERADO 2500 4X4 PICKUP	PW LRPCP	32,188	60,000	61,200									
0777	2011 CHEVROLET SILVERADO 2500 4X4 PICKUP	PARK SERV	25,228	60,000										
0780	2013 GMC SIERRA 4X4 REG CAB PICKUP	PARKS	36,018	41,000										49,979
0782	2015 FORD F350 4X4 PICKUP SRW	PARKS	37,041	60,000		62,424								
0783	2018 CHEVROLET SILVERADO 3500 PICKUP	PARKS	46,882	60,000					66,245					
0784	2022 CHEVROLET SILVERADO 3500 HD PICKUP	PARKS	45,132	0										Year 2033
0785	2022 CHEVROLET SILVERADO 3500 HD PICKUP	PARKS	45,132	0										Year 2033
3017	2012 CHEVROLET SILVERADO 3500 PICKUP	FIRE	30,124	60,000		62,424								
3018	2012 CHEVROLET SILVERADO 3500 PICKUP	FIRE	29,860	60,000		62,424								
<b>Class 246 - CREW CABS UTILITY (Life Cycle 9 - 11 Years)</b>														
0791	2011 CHEVROLET SILVERADO WT 3500 CREWCAB	HORTICULT	52,981	80,000									95,607	
0792	2011 CHEVROLET SILVERADO 3500 CREW CAB	HORTICULT	15,000	80,000										97,520
0798	2013 GMC SIERRA 3500 HD CREWCAB	PARKS	46,688	80,000										
0799	2016 FORD F350 XL CREWCAB FLATBED	PARKS	57,032	80,000										
0800	2016 FORD F350 XL CREWCAB FLATBED	PARKS	53,057	80,000					84,897					
0801	2019 FORD F350 FLAT BED	HORTICULT	41,746	80,000								90,093		
<b>Class 305 - 10000 GVW TRUCKS (Life Cycle 9 - 11 Years)</b>														
0853	2015 FORD F350 B DUMP TRUCK	PW SEWER	42,280	70,000										
0856	2011 CHEVROLET SILVERADO WT 3500 TRUCK	PW ROW MAI	46,344	65,000									77,681	
0859	2013 GMC SIERRA 3500 HD CREWCAB	PW ROW MAI	49,175	70,000										
0860	2021 CHEVROLET SILVERADO 3500 TRUCK	PW ROW MAI	57,995	58,000									69,315	
0861	2021 CHEVROLET SILVERADO 3500 TRUCK	PW ROW MAI	57,229	58,000									69,315	
0862	2021 CHEVROLET SILVERADO 3500 TRUCK	PW ROW MAI	58,482	58,000									69,315	
0868	2018 FORD F350 B DUMP TRUCK	PW ROW MAI	54,463	65,000					71,765					
0869	2018 FORD F350 B DUMP TRUCK	PW ROW MAI	54,463	65,000					71,765					
0870	2018 FORD F350 B DUMP TRUCK	PW SEWER	40,870	65,000					71,765					

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0874	2008 FORD F350XL SUPER DUTY B TRUCK	PW ROW MAI	48,031	65,000									77,681	
0876	2021 CHEVROLET SILVERADO 3500 TRUCK	PARKS	64,514	70,000									83,656	
0877	2021 CHEVROLET SILVERADO 3500 TRUCK	PARKS	56,465	70,000									83,656	
<b>Class 325 - 14000 TO 20000 GVW TRUCKS (Life Cycle 9 - 11 Years)</b>														
0929	2020 FORD F550 4X4 SERVICE CRANE TRUCK	PW PUMP ST	173,556	175,000										213,324
0930	2016 FORD F550 XL 4X4 DUMP TRUCK	PW WINTERC	78,000	100,000		104,040								
0931	2016 FORD F550 XL 4X4 DUMP TRUCK	PW WINTERC	78,000	100,000		104,040								
0941	2013 FORD F550 FLAT BED B TRUCK	PARKS	68,814	100,000										
<b>Class 330 - 22000 TO 28000 GVW TRUCKS (Life Cycle 10 - 12 Years)</b>														
0946	2008 STERLING ACTERRA CHIPPER TRUCK	FORESTRY	80,917	140,000										
0947	2016 FREIGHTLINER M2-106 B TRUCK	PW WINTERC	138,133	140,000				151,541						
0948	2016 FREIGHTLINER FL-80-106 B TRUCK	PW WINTERC	138,133	140,000				151,541						
0949	2021 FREIGHTLINER CDE ROLL-OFF TRUCK	PW ENVTAL	149,112	160,000										Year 2033
<b>Class 360 - 33000 TO 35000 GVW TRUCKS (Life Cycle 10 - 12 Years)</b>														
0971	2010 NAVISTAR 7400 SFA DUMP SALTER PLOW	PW WINTERC	107,041	225,000	229,500									
<b>Class 365 - 50000-60000 GVW TRUCKS (Life Cycle 10 - 12 Years)</b>														
1001	2021 FREIGHTLINER VIKING TANDEM TRUCK	PW WINTERC	212,326	0										264,001
1002	2021 FREIGHTLINER VIKING TANDEM TRUCK	PW WINTERC	213,220	0										265,113
1003	2021 FREIGHTLINER VIKING TANDEM TRUCK	PW WINTERC	210,111	0										261,247
1004	2021 FREIGHTLINER VIKING DUMP TRUCK	PARKS	209,542	0										260,540
<b>Class 405 - 14 CU YD PACKERS (Life Cycle 8 - 10 Years)</b>														
1012	2015 FORD F550 14 CU YD PACKER	PARKS	111,642	270,000	275,400									
1016	2019 FORD F550 14 CU YD PACKER	PW ENVTAL	192,490	200,000						229,737				
<b>Class 435 - REAR LOADING PACKERS (Life Cycle 8 - 10 Years)</b>														
1058	2019 FREIGHTLINER M2106 PACKER	PW ENVTAL	251,413	300,000						344,606				
1059	2007 FREIGHTLINER M2 TANDEM PACKER	PW ENVTAL	142,114	300,000									358,528	
<b>Class 440 - PACKER FRONT END LOADER (Life Cycle 8 - 10 Years)</b>														
1075	2020 MACK TE64 LABRIE WITTKKE 40 CU YD	PW ENVTAL	366,364	375,000								439,372		
1078	2016 MACK MRU613 FEL WITTKKE BODY	PW ENVTAL	291,798	375,000				405,912						
<b>Class 450 - 17 CU YARD SIDE LOADING PACKER (Life Cycle 8 - 10 Years)</b>														
1084	2015 FREIGHTLINER M2106 ONE-MAN PACKER	PARKS	214,538	270,000	275,400									
1099	2007 FREIGHTLINER M2 17 CU YD PACKER	PW ENVTAL	198,468	340,000								398,364		
<b>Class 506 - AERIAL TRUCK 22000 GVW (Life Cycle 10 - 12 Years)</b>														
1227	2005 FORD F550XL SUPER DUTY TRUCK	SIGNSMARKS	113,676	175,000				189,426						
1228	2007 STERLING ACTERRA AERIAL TRUCK	SIGNALS	170,921	260,000		270,504								
1229	2020 FREIGHTLINER M2 AERIAL TRUCK	SIGNALS	251,612	260,000									310,724	



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1230	2020 FREIGHTLINER M2 AERIAL TRUCK	SIGNALS	251,815	260,000									310,724	
<b>Class 511 - AERIAL TRUCKS 33000 GVW (Life Cycle 10 - 12 Years)</b>														
1247	2010 FREIGHTLINER CONVENTIONAL AERIAL	FORESTRY	154,569	262,000										319,377
1248	2011 FREIGHTLINER CONVENTIONAL	FORESTRY	154,569	262,000										319,377
<b>Class 520 - 6 CU YD VACUUM STREET SWEEPER (Life Cycle 10 - 12 Years)</b>														
1267	2016 RAVO 5 SERIES STREET SWEEPER	PW ENVTAL	270,377	400,000					441,632					
1268	2016 RAVO 5 SERIES STREET SWEEPER	PW ENVTAL	270,377	400,000					441,632					
1269	2017 RAVO 5 SERIES STREET SWEEPER	PW ENVTAL	283,333	400,000						450,465				
<b>Class 525 - 8 CU YD VACUUM STREET SWEEPER (Life Cycle 10 - 12 Years)</b>														
1300	2021 FREIGHTLINER ELGIN SWEEPER	PW ENVTAL	381,223	375,000										Year 2033
<b>Class 529 - TRUCK WATER TANK (Life Cycle 20 Years)</b>														
1311	2008 STERLING ACTERRA WATER TRUCK	HORTICULT	84,858	175,000								205,040		
<b>Class 531 - SEWER VACTOR (Life Cycle 10 - 12 Years)</b>														
1319	2011 INTERNATIONAL WORK STAR VACTOR	PW SEWER	367,689	477,996		497,307								
1321	2015 FREIGHTLINER 2100 VACTOR TRUCK	PW SEWER	378,080	482,052					532,224					
<b>Class 535 - DUMP/CRANE TRUCKS (Life Cycle 10 - 12 Years)</b>														
1327	2015 FREIGHTLINER M-2 CRANE/DUMP	FORESTRY	143,073	175,265		182,346								
<b>Class 537 - LINE PAINTING TRUCK (Life Cycle 20 Years)</b>														
1331	2002 GMC T8500 LINETECH TM52275AA	SIGNSMARKS	436,482	800,000				800,000						
<b>Class 603 - SEWER RODDERS - TRUCK MOUNTED (Life Cycle 12 - 15 Years)</b>														
1360	1999 FORD F450 XL TRUCK	PW SEWER	139,006	250,000										
<b>Class 608 - SEWER BUCKET MACHINES (Life Cycle 20 Years)</b>														
1369	1985 SRECO PULLBACK SEWER BUCKET	PW SEWER	21,583	90,000	91,800									
1370	1985 SRECO LOADER	PW SEWER	21,484	112,000	114,240									
<b>Class 640 - BRUSH CHIPPER (Life Cycle 10 - 15 Years)</b>														
1433	2013 VERMEER BC 1800XL WOOD CHIPPER	FORESTRY	73,590	120,000		124,848								
1437	2011 VERMEER BC1000XL WOOD CHIPPER	FORESTRY	31,037	120,000										
1438	2021 VERMEER BC 1800XL BRUSH CHIPPER	FORESTRY	92,038	120,000										Year 2036
1439	2013 VERMEER BC1500 WOOD CHIPPER	FORESTRY	49,594	120,000	122,400									
<b>Class 645 - GAS GOLF CARTS (Life Cycle 8 - 10 Years)</b>														
1460	2017 CUSHMAN HAULER 1200 GOLF CART	PW WWPCP	19,334	21,000					23,186					
1461	2017 CUSHMAN HAULER 1200 GOLF CART	PW WWPCP	19,334	21,000					23,186					
<b>Class 650 - MISCELLANEOUS TRAILERS (Life Cycle 12 - 15 Years)</b>														
1473	2021 WEBERLANE ESTATE DELUXE TRAILER	SIGNSMARKS	10,293	12,000										Year 2035
1474	2021 WEBERLANE ESTATE DELUXE TRAILER	SIGNSMARKS	10,562	12,000										Year 2035
1475	2021 WEBERLANE ESTATE DELUXE TRAILER	SIGNSMARKS	11,180	12,000										Year 2035

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1476	2021 WEBERLANE ESTATE DELUXE TRAILER	SIGNSMARKS	12,605	12,000										Year 2035
1480	2019 PJ TRAILERS TJ202 CAR HAULER TILT	PARKS	14,381	15,000							17,230			
1487	2001 ROBCOL EXPC/5T TRAILER	SIGNALS	16,157	19,874		20,677								
1488	2001 ROBCOL EXPC/5T TRAILER	SIGNALS	16,157	19,874		20,677								
1490	2020 PJ TRAILERS GOOSENECK TRAILER	PARKS	32,684	35,000							40,204			
<b>Class 660 - 2 - 6 CU YD SALT SPREADERS (Life Cycle 9 - 11 Years)</b>														
0649S	2015 WESTERN 7800 7` 1.5 CU YD SALTER	PW ENVTAL	5,798	10,000		10,404								
0770S	2011 WESTERN 7800 7` 2.5 CU YD SALTER	PW WWPCP	4,075	10,000										
0777S	2011 SNO-WAY 1.5 CU YD SALTER	PARK SERV	5,145	10,000										
0782S	2015 SALTDogg 2.0 CU YD SALTER	PARKS	8,535	10,000		10,404								
0783S	2018 WESTERN ELECTRIC 2.0 CU YD SALTER	PARKS	6,299	10,000					11,262					
0784S	2021 WESTERN ELECTRIC SALTER	PARKS	8,103	10,000							11,487			
0785S	2021 WESTERN ELECTRIC SALTER	PARKS	8,073	10,000							11,487			
0877S	2021 WESTERN ELECTRIC SALTER	PARKS	11,437	12,000										14,628
0930S	2014 FISHER PRO-CASTER SALTER	PW WINTERC	17,272	18,827		19,588								
0931S	2021 WESTERN 3.0 CU YD SALTER	PW WINTERC	8,750	12,000							13,784			
0947S	2020 FISHER 4.5 CU YD HYDRAULIC SALTER	PW WINTERC	15,645	16,000									19,121	
0948S	2020 FISHER 4.5 CU YD HYDRAULIC SALTER	PW WINTERC	14,535	16,000									19,121	
<b>Class 664 - 7 - 10 CU YD SALT SPREADERS (Life Cycle 9 - 11 Years)</b>														
0971S	2006 SCHMIDT STRATOS 4 CU YD SALTER	PW WINTERC	46,980	85,000										
1001S	2021 SCHMIDT STRATOS 3 SPREADER	PW WINTERC	85,344	0										106,114
1002S	2021 SCHMIDT STRATOS 3 SPREADER	PW WINTERC	86,135	0										107,098
1003S	2013 SCHMIDT STRATOS B70-42 SALTER COMBI	PW WINTERC	69,600	85,000										
<b>Class 665 - LARGE SNOW PLOWS (Life Cycle 9 - 11 Years)</b>														
0971P	2011 VIKING CHIVES MONASHEE LARGE PLOW	PW WINTERC	58,222	60,000										
1001P	2021 VIKING-CIVES HEAVY DITY FRONT PLOW	PW WINTERC	26,315	0										32,719
1002P	2021 VIKING-CIVES HEAVY DUTY FRONT PLOW	PW WINTERC	10,864	0										13,508
1003P	2021 VIKING-CIVES FRONT PLOW RUBBERBLADE	PW WINTERC	15,617	0										19,418
1004P	2021 VIKING-CIVES REVERSIBLE FRONT PLOW	PARKS	10,386	0										12,913
<b>Class 667 - SMALL SNOW PLOWS (Life Cycle 9 - 11 Years)</b>														
0649P	2015 WESTERN 7'6" SNOW PLOW	PW ENVTAL	6,998	10,000	10,200									
0770P	2011 PRO PLOW 7.5 STEEL SNOW PLOW	PW WWPCP	6,029	10,000										
0771P	2012 FISHER V SNOW PLOW	PW LRPCP	4,592	10,000	10,200									
0777P	2011 WESTERN SMALL PLOW 7.5 PRO STEEL	PARK SERV	5,879	10,000										
0782P	2017 WESTERN 8` PRO PLOW	PARKS	7,976	10,000		10,404								
0783P	2018 WESTERN 8` PRO PLOW	PARKS	8,141	10,000					11,041					
0784P	2021 WESTERN SNOW PLOW	PARKS	10,832	12,000							13,784			

### **FLEET REPLACEMENT SCHEDULE - CORPORATE FLEET**

(source: FleetFocus as of August 10, 2022)

<u>Unit</u>	<u>Description</u>	<u>Department</u>	<u>Total Cost</u>	<u>Adj. Cost</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>
0785P	2021 WESTERN SNOW PLOW	PARKS	10,634	12,000							13,784			
0877P	2021 WESTERN 8` PROPLOW	PARKS	13,035	12,000										14,628
0930P	2007 WESTERN SMALL PLOW 9` ULTRA MOUNT	PW WINTERC	7,709	12,000										14,628
0931P	2015 WESTERN PRO PLUS 9` PLOW	PW WINTERC	10,383	12,000		12,485								
0947P	2016 VIKING-CIVES 9` TRIP EDGE SNOW PLOW	PW WINTERC	19,971	20,000			21,224							
0948P	2016 VIKING-CIVES 9` TRIP EDGE SNOW PLOW	PW WINTERC	19,971	20,000			21,224							
<b>Class 669 - WING PLOWS (Life Cycle 9 - 11 Years)</b>														
1001W	2021 VIKING-CIVES HEAVY DUTY WING PLOW	PW WINTERC	13,191	8,000										9,752
1002W	2008 VIKING-CIVES HEAVY DUTY WING PLOW	PW WINTERC	0	8,000										9,752
1003W	2008 VIKING-CIVES HEAVY DUTY WING PLOW	PW WINTERC	0	8,000										9,752
<b>Class 680 - CRASH ATTENUATORS (Life Cycle 15 - 20 Years)</b>														
1581	2019 VORTEQ CRASH ATTENUATOR	POOL	24,804	25,500									30,475	
<b>Class 700 - FORK LIFTS (Life Cycle 20 Years)</b>														
1603	2013 HYUNDAI 25L-7A FORKLIFT	SIGNSMARKS	25,131	30,665										Year 2033
<b>Class 710 - SNOWBLOWER DIESEL (Life Cycle 20 Years)</b>														
1620	1978 VOHL SNOW BLOWER	PW WINTERC	76,072	230,000	234,600									
<b>Class 735 - LAWN TRACTORS/RIDING MOWERS (Life Cycle 15 Years)</b>														
1672	2013 FRONT MOWER F3080 MOWER/BLOWER	PW LRPCP	26,889	31,217						35,155				
1673	2011 JOHN DEERE 1445 LAWN MOWER	PW WWPCP	33,917	39,377				42,623						
<b>Class 740 - FEL LOADER / BACKHOE (Life Cycle 15 Years)</b>														
1682	2022 CATERPILLAR 926M 4 WHEEL LOADER	PARKS	209,190	0										Year 2037
1684	2016 CATERPILLAR 926M 4 WHEEL LOADER	PW WINTERC	177,606	230,000								269,482		
<b>Total Number of Active Units:</b>		<b>310</b>	<b>Subtotal:</b>		<b>2,307,240</b>	<b>2,929,596</b>	<b>1,341,367</b>	<b>2,309,319</b>	<b>2,600,168</b>	<b>1,394,433</b>	<b>1,850,533</b>	<b>1,984,546</b>	<b>2,934,123</b>	<b>3,144,250</b>
<b>Total Number of Units to be Replaced:</b>		<b>310</b>	<b>Unrecoverable HST:</b>		<b>40,612</b>	<b>51,567</b>	<b>23,611</b>	<b>40,649</b>	<b>45,768</b>	<b>24,545</b>	<b>32,573</b>	<b>34,932</b>	<b>51,646</b>	<b>55,345</b>
			<b>Total Estimated Cost:</b>		<b>2,347,852</b>	<b>2,981,163</b>	<b>1,364,978</b>	<b>2,349,967</b>	<b>2,645,936</b>	<b>1,418,978</b>	<b>1,883,106</b>	<b>2,019,478</b>	<b>2,985,770</b>	<b>3,199,595</b>
<b>Emergency Replacement Contingency:</b>			<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>
<b>Budget Submission:</b>			<b>2,498,000</b>	<b>3,132,000</b>	<b>1,515,000</b>	<b>2,500,000</b>	<b>2,796,000</b>	<b>1,569,000</b>	<b>2,034,000</b>	<b>2,170,000</b>	<b>3,136,000</b>	<b>3,136,000</b>	<b>3,136,000</b>	<b>3,350,000</b>

**Notes:**

1. Total and adjusted costs include purchase price plus capitalization.
2. Estimated replacement costs represent the adjusted cost plus an annual inflation factor from the current date. If no adjusted cost is identified, the total cost plus an annual inflation factor from the date of purchase is used. Replacement costs have been adjusted for current market pricing. The inflation factor is currently set to 2.00%.
3. Fire and Rescue Services has a separate fleet replacement schedule. The replacement of Fire's small fleet is based on Public Works methodology.
4. Units are placed on the schedule based on an operational assessment. Units are evaluated annually based on a variety of factors to determine if replacements are required in the current year or can be extended.
5. Highlighted costs in Year 1 indicate replacements scheduled in previous years. They are not included in the total cost for that year.



# Project Version Summary

<b>Project #</b>	OPS-022-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fleet
<b>Title</b>	Purchase of Fleet Additions and Upgrades		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	2017 (Active)		

**Project Description**  
 Funds are required to cover the cost of fleet additions and upgrades required to maintain service delivery levels. While the capital budget is based on a 10-year plan, fleet requests are provided on an annual basis, therefore, submissions will be made each year based on user requirements.

**Version Description**  
 Please refer to the attached document outlining the detailed fleet addition and upgrade requests. Should all of the Operating Budget requests for fleet additions and upgrades be approved by Council, an additional \$897,820 in funding will be required to purchase the additions and upgrades.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
See Document Attached Active: 7191023/ 7201009/ 7211034/7221005/7231024 (Closed: 7065024/ 7096002/ 7111020/ 7121008/ 7131113/ 7141003/ 7161035/ 7151010/ 7171022/ 7181017)	

<b>Project Detailed Forecast</b>												
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>	
<b>Expenses</b>												
5110 Machinery & Equipment - TCA	650,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	2,000,000	
Total	650,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	2,000,000	
<b>Revenues</b>												
128 Dev Chg - PW/Build/Equip/Fleet	50,000	30,000	0	0	0	0	0	0	0	0	80,000	
169 Pay As You Go - Capital Reserve	600,000	120,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,920,000	
Total	650,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	2,000,000	

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2009	255,000	255,000	0				
		2011	154,000	154,000	0				
		2012	60,000	60,000	0				
		2013	25,000	25,000	0				
		2014	125,000	125,000	0				
		2015	155,500	155,500	0				
		2016	40,000	40,000	0				
		2017	145,000	145,000	0				
		2018	310,000	310,000	0				
		2019	543,000	543,000	0				
		2020	877,000	877,000	0				
		2021	135,000	45,000	90,000				
		2022	1,006,000	1,006,000	0				
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>		<b>Est. Completion Date</b>			
2007	January 1, 2016	Growth: 100.0 % Maintenance: 0.0 %		Angela Marazita		Ongoing`			

Referred to the Capital Budget Review Committee via E-mail  
November 23, 2022

**Fleet Additions & Upgrades Budget Summary - DRAFT**

Item	Department/ Division	Fleet Area	Equipment Request	Background Information	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
1	Parks	Corporate	Addition of 1 packer (class 405)	As per operating budget issue 2023-0204, Parks requires a 16 cubic yard side loading garbage packer to load garbage from various parks in the city and transport to the Environmental Services yard for disposal on a daily basis.	\$ 275,400									
2	Parks and Horticulture	Corporate	Addition of 1 utility truck (class 230)	As per budget issue 2023-0204, Parks and Horticulture are requesting to share a 4x4 flatbed truck for Parks' winter control operations and for Horticulture's beautification program in the summer. The truck will require the installation of a salter, plow and water tank.	\$ 80,000									
3	Parks and Facilities	Corporate	Addition of 1 cargo van (class 110)	As per budget issue 2023-0204, a cargo van is required to transport special activity materials such as podiums and speakers).	\$ 45,000									
4	Field Services	Corporate	Addition of 2 electric vehicles (car or compact SUV)	As per budget issue 2023-0278. Following the Public Works reorganization in 2019, 2 positions (Engineer I and Technologist I) were transferred to Contracts, Field & Maintenance. Due to the uncertainty surrounding usage and sharing of vehicles, 2 cars are currently being rented for use. Pricing is based on purchasing electric vehicles. Electric charging stations were installed in 2022 and are available for use at Crawford Yard. If this purchase is approved, the 2 rental units will be returned.	\$ 100,000									
5	Pollution Control - Pumping Stations	Corporate	Conversion of 2 Regular Pickups (Class 220)	As per budget issue 2023-0053 for the conversion of two seasonal pickups, the purchase of 2 all wheel drive pickups is required to provide a more efficient service for the Pumping Stations Department. The department has been utilizing 2 seasonal vehicles to support their operation. If this purchase is approved, the 2 seasonal units will be returned.	\$ 90,000									

Referred to the Capital Budget Review Committee via E-mail  
November 23, 2022

**Fleet Additions & Upgrades Budget Summary - DRAFT**

Item	Department/ Division	Fleet Area	Equipment Request	Background Information	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
6	Pollution Control - Electrical	Corporate	Conversion of 1 and Addition of 1 Utility Truck (Class 230)	As per budget issue 2023-0053 for the conversion of one utility vehicle and addition of a second utility vehicle, this purchase is required to provide a more efficient service by the Electrical department. The department has requested the following upgrades: back up camera, 120V 20A inverter for field power, bluetooth phone connection and power windows.	\$ 130,000									
7	Pollution Control – Lou Romano Pollution Control Plant	Corporate	Addition of 1 Mobile crane	As per budget issue 2023-0277, Pollution Control requires a mobile crane to be used for the Biological Aerated Filter (BAF) cell upgrade and overhauls at the Lou Romano Pollution Control Plant. The cost for the department to rent a similar unit is \$5,000 bi-weekly, however, based on the duration of this project, it is cost effective to purchase this equipment. The department will be submitting a budget issue during the 2020 budget process to request operating funds for a dedicated fleet unit.	\$ 210,000									
8	Pollution Control - Little River Pollution Control Plant	Corporate	Addition of 1 Golf Cart	As per budget issue 2023-0053, a golf cart is required to replace the existing golf cart which is beyond its life cycle.	\$ 15,000									
9	Pollution Control - Little River Pollution Control Plant	Corporate	Addition of 1 Industrial/Heavy Duty Golf Cart	As per budget issue 2023-0053, a heavy duty golf cart is required to transport tools and equipment where a vehicle cannot access in between a tank and plant buildings. An electric model will be considered for this purchase.	\$ 35,000									
10	Fire Rescue	Fire	Addition of 1 SUV	As per budget issue 2023-0009, Fire & Rescue Services requires a vehicle for the addition of a Deputy Fire Chief. As a first response vehicle, the cost to upfit the vehicle with lights and sirens is included in the budget request. This vehicle will be placed on the Fire First Response replacement plan.	\$ 87,420									

Referred to the Capital Budget Review Committee via E-mail  
November 23, 2022

**Fleet Additions & Upgrades Budget Summary - DRAFT**

Item	Department/ Division	Fleet Area	Equipment Request	Background Information	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
11	Building	Corporate	Addition of 2 minivans or compact SUVs	As per budget issue 2023-0069, CR 361/2022, Building requires 2 vehicles for the addition of 2 inspectors.	\$ 100,000									
12	Environmental	Corporate	Addition of 1 Street Sweeper (Class 520)	As per budget issue 2023-0254 for the enhancement of street sweeping services, the purchase of an additional street sweeper is required to provide this service.	Not Recommended in Operating									
13	Parks	Corporate	Conversion of 1 minivan (class 145) to an electric vehicle (class 163)	Electric vehicle charging stations were installed at the Parks Operations Yard in 2022 in anticipation of the transition to electric vehicles. An electric vehicle is operationally feasible to replace unit 0395 which is scheduled to be replaced in 2023. The cost of conventional minivans has increased significantly thereby reducing the incremental cost for an electric vehicle to approximately \$10,000.	\$ 10,000									
14	Parks	Parks	Conversion of 2 ice resurfacers to electric units	Two ice resurfacers were approved for replacement during the 2022 capital budget process and one is scheduled for replacement in each of the next four years. The incremental cost to purchase an electric ice resurfacer is approximately \$50,000. Installation of two charging stations is being coordinated to introduce electric units at the WFCU Arena. A review is being completed to identify a plan to transition all ice resurfacers to electric units if deemed feasible at each location. This request is to convert 2 units (one from 2022 and one from 2023).	\$ 100,000	\$ 50,000	\$ 50,000	\$ 50,000						
15	Environmental	Corporate	Conversion of 1 pickup (class 220) to an electric pickup (class 163)	Electric vehicle charging stations were installed in 2022 at the Environmental Yard in anticipation of the transition to electric vehicles. An electric vehicle is operationally feasible to replace unit 0724. The incremental cost for an electric pickup is estimated at \$30,000.	\$ 30,000									



Referred to the Capital Budget Review Committee via E-mail  
November 23, 2022

**Fleet Additions & Upgrades Budget Summary - DRAFT**

Item	Department/ Division	Fleet Area	Equipment Request	Background Information	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
16	Various	All	Unforeseen and/or emergency additions.	While capital budget is based on a 8 year plan, equipment requests are provided on an annual basis, therefore, submissions will be made each year based on user requirements unless the user is able to forecast farther in advance.	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000
<b>Total Fleet Additions/Upgrades</b>					<b>\$1,457,820</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>
<b>Rounded</b>					<b>\$1,458,000</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$150,000</b>

Notes:

1. All requests must be reviewed by the Fleet Review Committee prior to being submitted as a capital budget request.
2. Estimated Purchase Price represents purchase price and capitalization costs.



# Project Version Summary

<b>Project #</b>	OPS-027-18	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fleet
<b>Title</b>	Greening the Fleet		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

## Project Description

The City of Windsor has a number of plans that identify greening the fleet as an objective for the Fleet Division. The Environmental Master Plan identifies greening the fleet as an objective to reduce air emissions caused by City vehicles in order to create healthier communities. To demonstrate the City's commitment toward reducing its environmental impact, City Council adopted a resolution (M502-2012) to receive the Green Fleet Plan for information and approve it as a guiding document for the operation and management of the City's fleet. Furthermore, Council approved the City's Corporate Climate Change Action Plan (CCAP). Targets were established to reduce greenhouse gas emissions to address climate change mitigation.

This project is to assist with implementing new technologies, vehicles and equipment to green the city fleet to reduce emissions and reduce the total cost of fuel.

In 2022, Council approved Windsor's Science Based Targets which includes a 55% reduction in corporate-wide emissions below the 2005 baseline by 2030.

## Version Description

The Fleet Review Committee approved the implementation of a pilot electric vehicle program in 2017. The Ontario government's modernization of the electric vehicle incentive program has made electric vehicles more affordable by offering incentives in 2017 for the purchase of electric vehicles as well as charging stations. Additionally there is a greater selection of electric vehicles from all manufacturers available for consideration. With the elimination of these incentive programs and grant funding opportunities, expansion of electric vehicles in the corporate fleet will require capital funds for the incremental vehicle costs as well as the purchase and installation of electric charging stations.

The Fleet Division purchased 3 vehicles during its pilot electric vehicle program in 2017 consisting of 1 hybrid, 1 plug-in hybrid and 1 fully electric vehicle. Provincial incentives were eliminated in 2018. In 2019, a federal incentive was introduced for the purchase of electric vehicles. Since 2019, 6 fully electric and 6 plug-in hybrid electric vehicles have been added to the corporate fleet.

## Project Comments/Reference

7229000

## Version Comments

## Project Detailed Forecast

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5110 Machinery & Equipment - TCA	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000	150,000	800,000
Total	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000	150,000	800,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000	150,000	800,000
Total	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000	150,000	800,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		<u>Year</u>	<u>Total Expense</u>	<u>Revenue</u>		<u>Effective Date</u>	<u>Unknown</u>	<u>Exp/(Rev)</u>	<u>FTE Impact</u>
				<u>Net City Cost</u>	<u>Subsidies</u>	<u>Description</u>		0	0
		2022	50,000	50,000	0	Implementation of greener vehicles results in reductions in maintenance and fuel costs			
Year Identified	Start Date	Project Type for 2023		Project Lead		Est. Completion Date			
2018	January 1, 2022	Growth: 100.0 % Maintenance: 0.0 %		Angela Marazita		Ongoing`			



# Project Version Summary

<b>Project #</b>	OPS-001-13	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	On-Off Street Parking
<b>Title</b>	Parking Equipment Replacement Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	Ward 2, Ward 3, Ward 4		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>
There are several pieces of equipment used in the day to day operations for the On/Off Street Parking Division that require upgrading/replacement over the next several years due to age and new payment technologies.

<b>Version Description</b>
An annual allotment of funds is identified for replacement of equipment each year. Equipment being replaced includes parking meters, exit gates, entrance gates, cameras, server for new web based parking ID equipment, pay stations, pay & display machines. Replacements could be a result of upgrading of technology and / or replacement due to age or repair requirements.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7135001	

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5110 Machinery & Equipment - TCA	108,000	110,000	112,000	114,000	116,000	118,000	120,000	122,000	124,000	126,480	1,170,480
Total	108,000	110,000	112,000	114,000	116,000	118,000	120,000	122,000	124,000	126,480	1,170,480
<b>Revenues</b>											
138 Off Street Parking	108,000	110,000	112,000	114,000	116,000	118,000	120,000	122,000	124,000	126,480	1,170,480
Total	108,000	110,000	112,000	114,000	116,000	118,000	120,000	122,000	124,000	126,480	1,170,480

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2013	106,000	106,000	0				
		2014	92,000	92,000	0				
		2015	72,000	72,000	0				
		2016	62,000	62,000	0				
		2017	62,000	62,000	0				
		2018	120,000	120,000	0				
		2019	100,000	100,000	0				
		2020	102,000	102,000	0				
		2021	104,000	104,000	0				
		2022	106,000	106,000	0				
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2013	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %	Ian Day		Ongoing`				



# Project Version Summary

<b>Project #</b>	OPS-018-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	On-Off Street Parking
<b>Title</b>	Parking Garage Capital Rehabilitation Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	Ward 3		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>												
Ongoing municipal parking garages rehabilitation as required. Installation of protective membrane acts as a barrier to protect the concrete from water and salt penetration. Without this membrane, structural repairs will arise due to corrosion. These membranes have a life expectancy of 5 years, therefore ongoing project funding is required. Inspections are done bi-annually at both the Goyeau and Pelissier garages which are used to determine additional work that is required. The membrane work as well as the inspection reports are used to develop yearly maintenance packages.												
<b>Version Description</b>												
The bi-yearly inspection report shall be completed again in 2024, which will be completed in the spring and will illustrate priorities for 2024/25.												
An end of life assessment is planned for the Goyeau Garage with assessment expected to begin in late 2022 with final report expected back to Administration in 2023.												
<b>Project Comments/Reference</b>						<b>Version Comments</b>						
(Closed: 7035075/7121002/7131114)												
<b>Project Detailed Forecast</b>												
<b>GL Account</b>		<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>												
5410	Construction Contracts - TCA	717,000	717,000	750,000	750,000	750,000	750,000	600,000	600,000	600,000	600,000	6,834,000
	Total	717,000	717,000	750,000	750,000	750,000	750,000	600,000	600,000	600,000	600,000	6,834,000
<b>Revenues</b>												
138	Off Street Parking	717,000	717,000	750,000	750,000	750,000	750,000	600,000	600,000	600,000	600,000	6,834,000
	Total	717,000	717,000	750,000	750,000	750,000	750,000	600,000	600,000	600,000	600,000	6,834,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2012	200,000	200,000	0				
		2013	200,000	200,000	0				
		2014	200,000	200,000	0				
		2015	200,000	200,000	0				
		2016	300,000	300,000	0				
		2017	300,000	300,000	0				
		2018	300,000	300,000	0				
		2019	500,000	500,000	0				
		2020	510,000	510,000	0				
		2021	1,040,000	1,040,000	0				
		2022	1,220,400	1,220,400	0				
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2007	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %	Ian Day / Prem Patel		Ongoing`				



# Project Version Summary

<b>Project #</b>	OPS-019-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	On-Off Street Parking
<b>Title</b>	New Parking Lot Development		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>
<p>This allocation provides for property acquisition and development for the expansion of the municipal parking program throughout the city where required.</p> <ul style="list-style-type: none"> <li>- Per CR499/91, purchase of properties for construction of off-street parking facilities within the Erie St. BIA.</li> <li>- Per CR1203/99, purchase of properties for construction of off-street parking facilities along Wyandotte St. from McDougall to Devonshire.</li> </ul> <p>This project is funded from the On-Off Street Parking Reserve Fund. The balance in the On-Off Street Parking Reserve Fund as of December 31, 2020 is \$2,275,605. The current 10-year reserve forecast, including the capital funding for this project, projects this reserve will remain sustainable.</p>

<b>Version Description</b>
Annual funding will accumulate until funds are available to purchase property to construct a lot.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
(7059127 closed) 7219009	

<b>Project Detailed Forecast</b>												
<b>GL Account</b>		<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>												
5210 Land Acquisition		100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000
	Total	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000
<b>Revenues</b>												
138 Off Street Parking		100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000
	Total	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000



Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2021	100,000	100,000	0				
		2022	100,000	100,000	0				
					New parking lot developments will require operating budget increases for ongoing repairs and maintenance.				
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2007	January 1, 2019	Growth: 100.0 % Maintenance: 0.0 %	Ian Day / Prem Patel		Ongoing`				



# Project Version Summary

<b>Project #</b>	OPS-020-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	On-Off Street Parking
<b>Title</b>	Parking Lot Rehabilitation Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

This allocation provides for the rehabilitation of municipal parking lots in the City.

An annual expenditure of \$250,000 for rehabilitation work is recommended. Annual funding accumulates annually in preparation for required rehabilitation.

**Version Description**

A full condition assessment of lots was completed again in 2022. The final report indicates that a number of lots are failing and require rehabilitation.

Lot 10 rehabilitation was completed in 2021.  
 Lot 16 is the next rehabilitation to be completed once adequate funding becomes available.

Project Comments/Reference	Version Comments
7191022 CLOSED: 7059014/ 7111032	

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5410	Construction Contracts - TCA	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000
	Total	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000
<b>Revenues</b>												
138	Off Street Parking	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000
	Total	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000

Related Projects	Historical Approved Budget				Operating Budget Impact		
	Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev) FTE Impact
			Net City Cost	Subsidies			
	2011	40,000	40,000	0			0 0
	2019	50,000	50,000	0			
	2020	102,000	102,000	0			
	2021	104,000	104,000	0			
	2022	400,000	400,000	0			
	<b>Description</b> Any budget deferral in approved funding will result in an increase in the operating costs for temporary repairs and maintenance.						

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2007	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %	Ian Day / Prem Patel	Ongoing`



## Project Version Summary

<b>Project #</b>	OPS-004-19	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Technical Support
<b>Title</b>	Infor Hansen Infrastructure Management System		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

Upgrade of the Infor Hansen infrastructure management software system and the implementation of a mobile solution for Hansen.

The Infor Hansen system is used by Public Works and corporately for infrastructure asset management and work order management to track & record infrastructure assets, work order repair histories, inspections, condition ratings, and repairs performed. The system is used to manage the road network assets, sewer & drainage networks, bridges, sidewalks, railway grade crossings, private drain connections, etc. The system is also used by Parks Forestry to manage the tree inventory and related forestry activities.

The proposed upgrade will move the software from Hansen Version 8.2.3 to the latest version. The first priority for the implementation of a mobile solution for Hansen is the sidewalk inspection program. Mobility could then be expanded to other field inspection programs and field work in the future. An upgrade to the base system software is required for the implementation of a mobile solution for Hansen.

This project will also fund future upgrades and system costs once the current upgrade is complete and mobile solution implemented. The next upgrade would be planned for 2026 to 2027, and every 5 years thereafter.

**Version Description**

The last software upgrade was completed in 2012 (Hansen 7 to Hansen 8.2.3 web-based). Upgrades are recommended as a component of regular software system maintenance to leverage new features, enhancements, and development in the software and to maintain system compatibility with other systems that it must communicate with in order to function. An upgrade to the latest version of Hansen is recommended at this time and needed to implement mobile technologies and other features.

The project includes the implementation of a mobile solution to improve data availability and operational efficiency in-the-field by:

- reducing the number of hard copy forms,
- eliminating data entry backlogs,
- expediting the release of inspection results and issuance of work orders,
- enabling real-time data capture during data collection, inspections, and repairs
- querying capabilities of asset information, work orders, & inspections in the field

The first priority for the mobility implementation is the sidewalk inspection program.

The preliminary project estimate includes software licensing, software support costs, hardware & devices, professional services (upgrade & mobility), internal resources, and fees. The preliminary cost breakdown is \$115k for the Upgrade (Phase 1- 2019 to 2020) and \$160,000 for Mobility (Phase 2 – 2020 to 2021).

The preliminary cost estimate is \$275,000. A placeholder of \$50,000 in funding is currently available in the Asset Planning Service Design and Implementation Project (Project 7131117) pending approval by the Asset Planning Steering Committee. The approval of the Asset Planning Steering Committee is contingent on the approval of the balance of project funding in principle by Council. This capital budget submission requests the remaining \$225,000 needed to fully fund this project.

Once the current upgrade and mobility is complete, this project will also fund future upgrades and system costs. A placeholder amount of \$130,000 is included for this purpose in future years. The next scheduled upgrade would be planned for the 2026 to 2027 timeframe.

**Project Comments/Reference**

7209001

**Version Comments**

**Project Detailed Forecast**

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5126 Computer Software	0	0	0	65,000	65,000	0	0	0	45,000	30,000	205,000
Total	0	0	0	65,000	65,000	0	0	0	45,000	30,000	205,000
<b>Revenues</b>											
028 Sewer Surcharge	0	0	0	0	0	0	0	0	0	0	0
153 Sewer Surcharge	0	0	0	22,750	22,750	0	0	0	15,750	0	61,250
169 Pay As You Go - Capital Reserve	0	0	0	42,250	42,250	0	0	0	29,250	30,000	143,750
176 Canada Community-Building Fund	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	65,000	65,000	0	0	0	45,000	30,000	205,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2020	135,000	135,000	0				
		2021	90,000	90,000	0				
					Implementation of new technology results in ongoing software maintenance and support costs				
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2019	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %		Eric Bailey	Ongoing`				



## Project Version Summary

<b>Project #</b>	ECP-001-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Traffic Operations & Parking
<b>Title</b>	Citywide Streetlight Rehabilitation & Relocations Including E.C. Row Expressway		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

Several programs have been developed to replace, upgrade and maintain various street lights city wide. This includes:

- Street light relocation due to Enwin capital hydro project upgrades
- Upgrades to street light poles and wiring

This program relates to collector and arterial roads which do not currently meet City policies related to the provision of street lights.

To assist with installation of lighting in alleyways as per S129/2018, "Alley Lighting and Related Measures Policy".

This program is required to replace wiring, inspect and repair pole bases, rehabilitate control boxes and replace poles as required due to the age of the existing street lighting infrastructure including infrastructure on E.C. Row Expressway.

### Version Description

2023 - 2032: Street light relocations, upgrades to street light poles and wiring citywide including E.C. Row Expressway

- Citywide street light relocation due to Enwin capital hydro project repairs and maintenance to street light poles and wiring.
- Immediate pole replacement for one or two poles in an area that are degrading
- Wiring upgrades to areas without conduit and experiencing voltage/current issues.
- Replace older/degrading underground conduit.
- Labour costs for premature failure of decorative poles (warranty includes material only).
- Replace degrading power supplies
- Repair receptacles and pedestrian lighting in BIA areas.

### Project Comments/Reference

(7093003, 7209010 closed)  
7035011

### Version Comments

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	593,375	943,615	1,266,280	1,360,000	1,360,000	1,357,460	1,010,800	1,298,940	870,000	1,120,000	11,180,470
Total		593,375	943,615	1,266,280	1,360,000	1,360,000	1,357,460	1,010,800	1,298,940	870,000	1,120,000	11,180,470
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	50,000	50,000	50,000	0	0	0	0	0	0	250,000	400,000
221	Service Sustainability Investm	543,375	893,615	1,216,280	1,360,000	1,360,000	1,357,460	1,010,800	1,298,940	870,000	870,000	10,780,470
Total		593,375	943,615	1,266,280	1,360,000	1,360,000	1,357,460	1,010,800	1,298,940	870,000	1,120,000	11,180,470
Related Projects		Historical Approved Budget				Operating Budget Impact						
				Revenue				Effective Date	Unknown	Exp/(Rev)		FTE Impact
		Year	Total Expense	Net City Cost	Subsidies			Description		0	0	0
		2007	200,000	200,000	0			Any budget deferral in approved funding will result in an increase in the operating costs for temporary repairs and maintenance.				
		2008	375,000	375,000	0							
		2009	800,000	800,000	0							
		2010	800,000	800,000	0							
		2011	850,000	100,000	750,000							
		2015	120,000	120,000	0							
		2016	340,000	340,000	0							
		2017	400,000	400,000	0							
		2018	700,000	700,000	0							
		2019	520,000	520,000	0							
		2020	240,000	240,000	0							
		2021	660,990	660,990	0							
		2022	369,353	369,353	0							
Year Identified	Start Date	Project Type for 2023		Project Lead			Est. Completion Date					
2007	January 1, 2007	Growth: 0.0 % Maintenance: 100.0 %		Ian Day / Prem Patel			Ongoing`					





# Project Version Summary

<b>Project #</b>	ENG-003-17	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Traffic Operations & Parking
<b>Title</b>	New Streetlights on Collectors and Arterials		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	This program relates to collector and arterial roads which do not currently meet City policies related to the provision of street lights.										
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<b>Version Description</b>											
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<b>Project Comments/Reference</b>	7223000			<b>Version Comments</b>							
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<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	100,000	100,000	0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	900,000
Total	100,000	100,000	0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	900,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	100,000	100,000	0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	900,000
Total	100,000	100,000	0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	900,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>		
			<b>Revenue</b>		<b>Effective Date</b> Unknown		<b>Exp/(Rev) FTE Impact</b>
	<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<b>Description</b>		0      0
	2022	100,000	100,000	0	Any budget deferral in approved funding will result in an increase in the operating costs for temporary repairs and maintenance.		

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2017	January 1, 2022	Growth: 100.0 % Maintenance: 0.0 %	Ian Day / Prem Patel	Ongoing`
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# Project Version Summary

<b>Project #</b>	ENG-007-20	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Traffic Operations & Parking
<b>Title</b>	Streetlights on Ottawa Street - Pierre to Howard		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	Ward 4		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	To replace the existing decorative street light poles on Ottawa Street from Pierre Avenue to Howard Avenue due to age.
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<b>Version Description</b>	Pedestrian lighting shall be included in the replacement program.
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
7203003	

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	462,753	136,589	0	0	0	0	0	0	0	0	599,342
Total	462,753	136,589	0	0	0	0	0	0	0	0	599,342
<b>Revenues</b>											
221 Service Sustainability Investm	462,753	136,589	0	0	0	0	0	0	0	0	599,342
Total	462,753	136,589	0	0	0	0	0	0	0	0	599,342

<b>Related Projects</b>	<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>			
			<b>Revenue</b>					
	<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>				
	2020	50,965	50,965	0				
	2021	160,990	160,990	0				
2022	338,703	338,703	0					

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2020	January 1, 2020	Growth: 0.0 % Maintenance: 100.0 %	Ian Day / Prem Patel	TBD`
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## Project Version Summary

<b>Project #</b>	OPS-001-21	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Traffic Operations & Parking
<b>Title</b>	Streetlight Pole Replacement Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

On-going major street light replacement program including pole and wiring replacement, and decorative pole/luminaire replacement. Many areas around the City require large-scale replacements due to age of infrastructure. This project would be used to address these areas on a yearly basis as funding is available. The City owns 16,325 poles and has 24,000 luminaires. Of these, 2,716 are decorative poles and more than 80% of the decorative poles are older non-LED technology. Poles have a life cycle of 20 years which means the City should be replacing 816 poles on a yearly basis in order to replace all poles at or before end of life. City staff are initiating a pole inspection program at a cost of \$150,792 to be split over a 3 year rotational term, therefore, 5,442 poles will be reviewed each year. The cost to run the inspection program will be accommodated in this project. The inspection program will identify upcoming projects for this project.

### Version Description

The pole inspection program began in 2021 with 66% of poles inspected in the first year of the program. By the end of 2022, the initial full inspection will be completed. Pole inspection will begin on a cyclical 4-year inspection program funded from this project annually going forward.

The cost to replace 680 standard poles each year is ~\$3,300 per pole, and the cost to replace 135 decorative poles each year is ~\$5,500 per pole. This would cost the City ~\$2,986,500 each year. Initially a number of older decorative poles would require an upgraded luminaire which would cost an additional \$4,000 per pole. In order to begin to address the deficiencies, the following projects have already been identified as requiring immediate attention. The inspection will identify new projects each year.

Priority pole replacement projects (includes pole replacements only, no upgrades to wiring or luminaires):

- \* Giles Blvd (Janette to Gladstone) - \$242,666
- \* Sandwich Area - \$522,666
- \* Walkerville Area - \$1,260,000
- \* University (Crawford to Sunset) - \$588,000
- \* South Central Area (Wyandotte Street W to Tecumseh Street W) - \$504,000

Future projects to be identified through the ongoing inspection program initiated in 2022.

### Project Comments/Reference

7214002, 7219019

### Version Comments

COMMITMENT:  
CR166/2021 S 136/2020: 2023-2025 F221 \$292,304

Project Detailed Forecast																																		
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total																						
<b>Expenses</b>																																		
5410	Construction Contracts - TCA	342,304	442,304	442,304	100,000	100,000	638,790	940,450	722,310	501,940	500,000	4,730,402																						
Total		342,304	442,304	442,304	100,000	100,000	638,790	940,450	722,310	501,940	500,000	4,730,402																						
<b>Revenues</b>																																		
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0																						
221	Service Sustainability Investm	50,000	150,000	150,000	100,000	100,000	638,790	940,450	722,310	501,940	500,000	3,853,490																						
221CF	Committed Funding	292,304	292,304	292,304	0	0	0	0	0	0	0	876,912																						
Total		342,304	442,304	442,304	100,000	100,000	638,790	940,450	722,310	501,940	500,000	4,730,402																						
<b>Related Projects</b>		<b>Historical Approved Budget</b>					<b>Operating Budget Impact</b>																											
				<table border="1"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Revenue</th> </tr> <tr> <th>Year</th> <th>Total Expense</th> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr> <td>2022</td> <td>237,304</td> <td>237,304</td> <td>0</td> </tr> </tbody> </table>					Revenue		Year	Total Expense	Net City Cost	Subsidies	2022	237,304	237,304	0	<table border="1"> <thead> <tr> <th>Effective Date</th> <th>Unknown</th> <th>Exp/(Rev)</th> <th>FTE</th> <th>Impact</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>		Effective Date	Unknown	Exp/(Rev)	FTE	Impact			0	0	0	<b>Description</b> Any budget deferral in approved funding will result in an increase in the operating costs for temporary repairs and maintenance.			
		Revenue																																
Year	Total Expense	Net City Cost	Subsidies																															
2022	237,304	237,304	0																															
Effective Date	Unknown	Exp/(Rev)	FTE	Impact																														
		0	0	0																														
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>			<b>Est. Completion Date</b>																											
2021	January 1, 2021	Growth: 0.0 % Maintenance: 100.0 %		Ian Day / Prem Patel			Ongoing`																											



# Project Version Summary

<b>Project #</b>	OPS-003-22	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Traffic Operations & Parking
<b>Title</b>	Traffic Asset Management Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	Traffic Operations intends to utilize CityWide software as an inventory management system for both Signals, and Signs and Markings. The funding for this project includes software licencing fees, data collection costs (labour), and ultimately more detailed asset management.
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<b>Version Description</b>	In 2022, this project shall cover costs for data collection for both signs and markings including GPS data locating of all existing equipment, and the initial costs to develop and implement CityWide software for inventory management of traffic signal equipment.
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
7221010, 7209000	

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
Total	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	450,000
7052 TRANSFER From Capital Projects	50,000	0	0	0	0	0	0	0	0	0	50,000
Total	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000

Related Projects		Historical Approved Budget			Operating Budget Impact	
			<u>Revenue</u>			
		<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	
		2022	50,000	0	50,000	
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date		
2022	January 1, 2022	Growth: 0.0 % Maintenance: 100.0 %	Ian Day / Prem Patel	Ongoing`		





## Project Version Summary

<b>Project #</b>	OPS-008-20	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Traffic Operations & Parking
<b>Title</b>	Traffic Signal Upgrades and Replacements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

This project covers new and existing signals and signal system upgrades including LED replacements, video detection system upgrades/replacements, and upgrades to audible pedestrian signals required to provide for a safe and effective operating system for the user.

There are 290 signalized intersections operated by the City of Windsor. According to industry standards, the average life cycle of a signalized intersection is 20 years. In 2022, there will be 76 signalized intersections 30 years of age or older, and an additional 106 intersections 20 years of age or older. 20-30 year old signalized intersections represent 63% of the traffic signal infrastructure in the City of Windsor. Currently these intersections are listed in the City's asset management program at an operational level of poor. The average cost to rebuild a signalized intersection ranges from \$90,000 to \$140,000. It is not possible to upgrade all of these intersections in one year, therefore, funding is required on an ongoing basis with intersections upgraded based on priority.

Vehicle detection allows for optimal signal operations and coordination, reduces stops and delays, provides green times based on vehicle demand, and adapts to ever-changing traffic conditions. The City of Windsor utilizes video detection systems. The life of a detection camera is 10 years. Detection cameras will be replaced on a 10 year rotational basis.

The useful life of the LEDs ranges from 7 – 10 years. At the time of purchase, LEDs have a 5-year warranty on lumen output, and will be replaced free of charge if they fall below acceptable lumen levels or have any type of failure within the warranty period.

As of January 1, 2016 AODA legislation requires the installation of accessible pedestrian signals be installed at newly installed signalized intersections, and at intersections where at least 50% of the pedestrian facilities are being upgraded. The cost to implement audible pedestrian signals for an intersection can range from \$10,000 to \$50,000 depending on the existing layout of poles and configuration of the signals. Currently, less than 10% of the signalized intersections in the City meet AODA requirements.

**Version Description**

Installation of all remaining 2070 controllers was completed in first quarter 2022. Upgrades required may include replacement of old or damage poles, mast arms, pole bases, cabinets, cabinet / system components, wiring, conduit or other components of the system. In 2023, funds will be used for material and construction costs to upgrade above ground equipment and underground infrastructure. Intersection upgrade priorities will be determined on a year to year basis based on age and condition of equipment and other capital project requirements with Engineering and Public Works Operations.

This project will also provide funding for non-intrusive detection implementation and the associated infrastructure improvements required for its implementation. In 2020, a tender was issued to determine a new technology that focused on multi-modal transportation detection. In 2021, a six month trial commenced and was completed in the late summer. Iteris detection system was selected and replacement of old systems as well as installation of new intersections has begun.

Full conversion of LED signal heads was completed in late 2013/early 2014. Replacement of LEDs that have reached the end of their useful life cycle has commenced and continues on with the priority list which is based on life cycle of LEDs currently installed.

Funds will also be used to upgrade the pedestrian facilities at intersections to meet the new 2016 accessibility requirements where they have been identified through consultation with the local branch of the Canadian National Institute for the Blind (CNIB). Most intersections have push buttons installed for activation of the side street pedestrian phase, in most cases these push buttons are older models where the pad of the push button has worn off and the instruction label is no longer visible. The replacement of these buttons are required as part of on-going maintenance and due to the replacement, they must be replaced with audible style buttons. Often older intersections require physical changes such as pole movement, additional concrete, and new underground conduit and wiring. Pilot projects began in 2020 in which Bluetooth technology is used to provide AODA functionality while not meeting the full extent of the AODA physical requirements. Administration is working with the CNIE to determine the success rate of this new technology to decide if it is a short term fix for at need intersections prior to a full re-build being budgeted.

**Project Comments/Reference**

2019 Projects (closed and merged into 7209000):  
 7045076 – New Signals / Signal System Improvements  
 7109004 – LED Signal Replacements  
 7192009 – Video Detection  
 7194000 – Audible Pedestrian Signals

7209000 – 2020 Traffic Signals – Upgrades and Replacements  
 7211046 - 2021 Traffic Signals – Upgrades and Replacements  
 See Document Attached.

**Version Comments**

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	804,673	1,721,405	1,778,137	2,430,000	2,330,000	2,100,000	2,100,000	2,100,000	2,100,000	2,100,000	19,564,215
Total		804,673	1,721,405	1,778,137	2,430,000	2,330,000	2,100,000	2,100,000	2,100,000	2,100,000	2,100,000	19,564,215
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	48,000	369,000	569,000	609,000	309,000	500,000	500,000	500,000	500,000	500,000	4,404,000
176	Canada Community-Building Fund	0	0	0	0	0	0	0	0	0	0	0
221	Service Sustainability Investm	756,673	1,352,405	1,209,137	1,821,000	2,021,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	15,160,215
Total		804,673	1,721,405	1,778,137	2,430,000	2,330,000	2,100,000	2,100,000	2,100,000	2,100,000	2,100,000	19,564,215

Related Projects		Historical Approved Budget				Operating Budget Impact				
Precedes		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE	Impact
				Net City Cost	Subsidies					
OPS-012-07		2020	1,294,475	1,294,475	0			0	0	
OPS-002-09		2021	1,271,208	1,271,208	0					Any budget deferral in approved funding will result in an increase in the operating costs for temporary repairs and maintenance.
OPS-001-10		2022	2,088,259	2,088,259	0					Addition of video detection equipment will increase maintenance operating costs. Increased costs will be offset with decreased costs related to the number of service calls and investigation related to complaints due to the automation and upgrades. Net affect on operating is unknown at this time.
OPS-003-16										
<b>Project Title</b>		Traffic Signals - Capital Upgrades and Replacements								
Year Identified	Start Date	Project Type for 2023		Project Lead		Est. Completion Date				
2020	January 1, 2020	Growth: 6.0 % Maintenance: 94.0 %		Ian Day		Ongoing				

**Project Attachment  
For: 2023**

**Project # OPS-008-20**

**Project Name: Traffic Signal Upgrades and Replacements**

No.	INTERSECTION	LAST UPGRADE	UPGRADE DUE	AGE	YEARS LEFT IN LIFE CYCLE (negative number indicates years past the useful life cycle)	PLAN FOR REBUILD	No.	INTERSECTION	LAST UPGRADE	UPGRADE DUE	AGE	YEARS LEFT IN LIFE CYCLE (negative number indicates years past the useful life cycle)	PLAN FOR REBUILD
						Replace with							
1	BROCK & SANDWICH	1970	1990	52	-32	Crossride BNA work	42	PARENT & TECUMSEH	1987	2007	35	-15	
2	KILDARE & SENECA	1978	1998	44	-24	Warrant for removal	43	CALIFORNIA & COLLEGE	1988	2008	34	-14	
3	CALIFORNIA & TECUMSEH	1980	2000	42	-22		44	EUGENIE & OUELLETTE	1988	2008	34	-14	
4	CANTELON & LAUZON PKWY	1980	2000	42	-22	2023 AMP Funding	45	FORD & TECUMSEH	1988	2008	34	-14	
5	CENTRAL & E.C. ROW (N)	1980	2000	42	-22		46	GEORGE & TECUMSEH	1988	2008	34	-14	
6	CENTRAL & E.C. ROW (S)	1980	2000	42	-22		47	PILLETTE & WYANDOTTE	1988	2008	34	-14	
7	DOMINION & E.C. ROW (N)	1980	2000	42	-22		48	PRINCESS & TECUMSEH	1988	2008	34	-14	
8	DOMINION & E.C. ROW (S)	1980	2000	42	-22		49	RIVARD & TECUMSEH	1988	2008	34	-14	
9	ESSEX WAY & LAUZON PKWY	1980	2000	42	-22	2023 AMP Funding	50	SEMINOLE & WALKER	1988	2008	34	-14	
10	FOREST GLADE & LAUZON PKWY	1980	2000	42	-22	2023 AMP Funding	51	SENECA & WALKER	1988	2008	34	-14	
11	HAWTHORNE & LAUZON PKWY	1980	2000	42	-22	2023 AMP Funding	52	AYLMER & WYANDOTTE	1989	2009	33	-13	
12	RICHMOND & WALKER	1980	2000	42	-22		53	FOREST GLADE & LAUZON RD	1989	2009	33	-13	
13	CAMPBELL & TECUMSEH	1984	2004	38	-18		54	FOREST GLADE & WILDWOOD	1989	2009	33	-13	
14	CRAWFORD & WYANDOTTE	1984	2004	38	-18	TBD With Engineering	55	GLENGARRY & WYANDOTTE	1989	2009	33	-13	
15	DIVISION & HOWARD	1984	2004	38	-18		56	GOYEAU & PITT	1989	2009	33	-13	
16	ELLIOTT & GOYEAU	1984	2004	38	-18		57	GOYEAU & RIVERSIDE	1989	2009	33	-13	
17	SUNSET & UNIVERSITY	1984	2004	38	-18	University EA	58	GRAND MARAIS & HOWARD	1989	2009	33	-13	
18	BRUCE & UNIVERSITY	1985	2005	37	-17	University EA	59	HALL & WYANDOTTE	1989	2009	33	-13	
19	CHATHAM & GOYEAU	1985	2005	37	-17		60	HURON CHURCH & NORTHWOOD	1989	2009	33	-13	
20	DOMINION & GRAND MARAIS	1985	2005	37	-17		61	PARENT & WYANDOTTE	1989	2009	33	-13	
21	FOREST GLADE & TECUMSEH	1985	2005	37	-17	2026 With Engineering	62	TECUMSEH & WESTMINSTER	1989	2009	33	-13	2022 with Contracts
22	GEORGE & WYANDOTTE	1985	2005	37	-17		63	BRUCE & WYANDOTTE	1990	2010	32	-12	
23	GOYEAU & UNIVERSITY	1985	2005	37	-17		64	COUNTY RD 42 & COUNTY RD 17	1990	2010	32	-12	Sandwich South Master Plan
24	HOWARD & ROUNDHOUSE	1985	2005	37	-17		65	COUNTY RD 42 & LAUZON PKWY	1990	2010	32	-12	Sandwich South Master Plan
25	CENTRAL & TECUMSEH	1986	2006	36	-16	2024 with Contracts	66	E.C. ROW & BANWELL	1990	2010	32	-12	
26	DOUGALL & TECUMSEH	1986	2006	36	-16		67	JANETTE & WYANDOTTE	1990	2010	32	-12	
27	HALL & TECUMSEH	1986	2006	36	-16		68	PATRICIA & WYANDOTTE	1990	2010	32	-12	
28	JEFFERSON & ROSE	1986	2006	36	-16		69	PELISSIER & WYANDOTTE	1990	2010	32	-12	
29	KILDARE & OTTAWA	1986	2006	36	-16		70	SUNSET & WYANDOTTE W	1990	2010	32	-12	
30	KILDARE & TECUMSEH	1986	2006	36	-16		71	UNIVERSITY & VICTORIA	1990	2010	32	-12	University EA
31	LINCOLN & TECUMSEH	1986	2006	36	-16	2023 with Contracts	72	DOUGALL & NOTTINGHAM	1991	2011	31	-11	
32	OTTAWA & PARENT	1986	2006	36	-16		73	HURON CHURCH & UNIVERSITY	1991	2011	31	-11	
33	CRAWFORD & UNIVERSITY	1987	2007	35	-15	University EA	74	WINDSOR & WYANDOTTE	1991	2011	31	-11	
34	DOUGALL & EUGENIE	1987	2007	35	-15		75	CENTRAL & SEMINOLE	1992	2012	30	-10	
35	DOUGALL & SUPERCENTER	1987	2007	35	-15		76	CHURCH & UNIVERSITY	1992	2012	30	-10	University EA
36	ERIE & OUELLETTE	1987	2007	35	-15	TBD With Engineering	77	DOUGALL & NORFOLK	1992	2012	30	-10	
37	GOYEAU & TUSCARORA	1987	2007	35	-15		78	DOUGALL & WEST GRAND	1992	2012	30	-10	
38	McDOUGALL & SHEPHERD	1987	2007	35	-15		79	DROUILLARD & SEMINOLE	1992	2012	30	-10	
39	MELDRUM & TECUMSEH	1987	2007	35	-15		80	GEORGE & SEMINOLE	1992	2012	30	-10	
						2023 (BNA Bridge Works)							
40	MILL & SANDWICH	1987	2007	35	-15		81	HURON CHURCH & WYANDOTTE	1992	2012	30	-10	
41	OTTAWA & WALKER	1987	2007	35	-15		82	PILLETTE & SEMINOLE	1992	2012	30	-10	

**Project Attachment  
For: 2023**

**Project # OPS-008-20**

**Project Name: Traffic Signal Upgrades and Replacements**

No.	INTERSECTION	LAST UPGRADE	UPGRADE DUE	AGE	YEARS LEFT IN LIFE CYCLE (negative number indicates years past the useful life cycle)	PLAN FOR REBUILD	No.	INTERSECTION	LAST UPGRADE	UPGRADE DUE	AGE	YEARS LEFT IN LIFE CYCLE (negative number indicates years past the useful life cycle)	PLAN FOR REBUILD
83	VICTORIA & WYANDOTTE	1992	2012	30	-10		127	RIVERSIDE & WALKER	1997	2017	25	-5	
84	DROUILLARD & RIVERSIDE	1993	2013	29	-9		128	THOMPSON & WYANDOTTE	1997	2017	25	-5	
85	ELLIOTT & MCDOUGALL	1993	2013	29	-9		129	AYLMER & CHATHAM	1998	2018	24	-4	
86	ELLIS & OUELLETTE	1993	2013	29	-9		130	AYLMER & UNIVERSITY	1998	2018	24	-4	
						Aesthetic Upgrade 2021							
87	GIRARDOT & HURON CHURCH	1993	2013	29	-9		131	CABANA & GLENWOOD	1998	2018	24	-4	2023 With Engineering
88	WELLINGTON & WYANDOTTE	1993	2013	29	-9		132	CENTRAL & DEZIEL	1998	2018	24	-4	
89	AYLMER & RIVERSIDE	1994	2014	28	-8		133	CENTRAL & YPRES	1998	2018	24	-4	
90	BRUCE & RIVERSIDE	1994	2014	28	-8		134	CRAWFORD & COLLEGE	1998	2018	24	-4	
91	CHRYSLER CENTRE & GATE 4	1994	2014	28	-8		135	E.C. ROW (N) & HOWARD	1998	2018	24	-4	
92	CHURCH & RIVERSIDE	1994	2014	28	-8		136	E.C. ROW (S) & HOWARD	1998	2018	24	-4	
93	COLLEGE & HURON CHURCH	1994	2014	28	-8		137	FLORA & RIVERSIDE	1998	2018	24	-4	
94	ERIE & GOYEAU	1994	2014	28	-8		138	HOWARD & LOGAN	1998	2018	24	-4	
95	GILES & GOYEAU	1994	2014	28	-8		139	JEFFERSON & QUEEN ELIZABETH	1998	2018	24	-4	
96	GILES & MCDOUGALL	1994	2014	28	-8		140	LAUZON PKWY & TWIN OAKS	1998	2018	24	-4	
97	GILES & PARENT	1994	2014	28	-8		141	MCDOUGALL & CITY HALL SQUARE S.	1998	2018	24	-4	
98	GLENGARRY & RIVERSIDE	1994	2014	28	-8		142	MCDOUGALL & RIVERSIDE	1998	2018	24	-4	
99	OUELLETTE & SHEPHERD	1994	2014	28	-8		143	MCDOUGALL & UNIVERSITY	1998	2018	24	-4	
100	WATSON & WYANDOTTE	1994	2014	28	-8		144	McDOUGALL & WYANDOTTE	1998	2018	24	-4	
101	CAMPBELL & GROVE	1995	2015	27	-7		145	PARENT & ELLIS	1998	2018	24	-4	2023 with Contracts
102	CHRYSLER CENTRE & GATE 5	1995	2015	27	-7		146	PROVINCIAL & SIXTH CONC.	1998	2018	24	-4	2023 with Engineering
103	EDINBOROUGH & HOWARD	1995	2015	27	-7		147	RIVERSIDE & STRABANE	1998	2018	24	-4	
104	ERIE & MCDOUGALL	1995	2015	27	-7	2028 with Engineering	148	ST.ROSE & WYANDOTTE	1998	2018	24	-4	
105	ERIE & VICTORIA	1995	2015	27	-7		149	TECUMSEH & LOEB IGA	1998	2018	24	-4	
106	GOYEAU & WYANDOTTE	1995	2015	27	-7		150	VICTORIA & YMCA	1998	2018	24	-4	
107	CENTRAL & TEMPLE	1996	2016	26	-6		151	ANNIE & TECUMSEH	1999	2019	23	-3	
108	CHRYSLER CENTRE & GATE 2	1996	2016	26	-6		152	CRAWFORD & TECUMSEH	1999	2019	23	-3	TBD with Engineering
109	DIVISION & SYDNEY	1996	2016	26	-6		153	CURRY/SOUTH CAMERON & TECUMSEH	1999	2019	23	-3	
110	GOYEAU & PARK	1996	2016	26	-6		154	DIVISION & MARENTETTE	1999	2019	23	-3	
111	HIRAM WALKERS & RIVERSIDE	1996	2016	26	-6		155	CANADIAN TIRE & TECUMSEH	1999	2019	23	-3	
112	JEFFERSON & RAYMOND	1996	2016	26	-6		156	LAUZON & TECUMSEH	1999	2019	23	-3	
113	MCDOUGALL & HOWARD	1996	2016	26	-6		157	LAUZON & THE MALL	1999	2019	23	-3	
114	MCKAY & UNIVERSITY	1996	2016	26	-6	University EA	158	LAUZON PKWY & TECUMSEH	1999	2019	23	-3	
115	MONTREIUL & RIVERSIDE	1996	2016	26	-6		159	LINCOLN & RIVERSIDE	1999	2019	23	-3	
116	PARK & VICTORIA	1996	2016	26	-6		160	OJIBWAY & WEAVER	1999	2019	23	-3	2023 AMP Funding
117	ST. LOUIS & WYANDOTTE	1996	2016	26	-6		161	WALKER & ST.JULIEN	1999	2019	23	-3	
118	CHATHAM & GLENGARRY	1997	2017	25	-5		162	WALKER & VIMY	1999	2019	23	-3	
119	CURRY & WYANDOTTE	1997	2017	25	-5		163	CAMPBELL & COLLEGE	2000	2020	22	-2	
120	DOMINION & LABELLE	1997	2017	25	-5		164	COLLEGE & WELLINGTON	2000	2020	22	-2	
121	EUGENIE & HOWARD	1997	2017	25	-5		165	DOUGALL & ROSELAND	2000	2020	22	-2	
122	FLORENCE & RIVERSIDE	1997	2017	25	-5		166	DROUILLARD & MILLOY	2000	2020	22	-2	
123	GLENGARRY & UNIVERSITY	1997	2017	25	-5		167	FORD GATE & SEMINOLE	2000	2020	22	-2	
124	HOWARD & COUNTRY CLUB/LAKE TRAIL	1997	2017	25	-5	2028 With Engineering	168	OUELLETTE & PITT	2000	2020	22	-2	
125	HOWARD & TECUMSEH	1997	2017	25	-5		169	PARENT & RIVERSIDE	2000	2020	22	-2	
126	PILLETTE & RIVERSIDE	1997	2017	25	-5		170	WALKER & YPRES	2000	2020	22	-2	

**Project Attachment  
For: 2023**

**Project # OPS-008-20**

**Project Name: Traffic Signal Upgrades and Replacements**

No.	INTERSECTION	LAST UPGRADE	UPGRADE DUE	AGE	YEARS LEFT IN LIFE CYCLE (negative number indicates years past the useful life cycle)	PLAN FOR REBUILD	No.	INTERSECTION	LAST UPGRADE	UPGRADE DUE	AGE	YEARS LEFT IN LIFE CYCLE (negative number indicates years past the useful life cycle)	PLAN FOR REBUILD
171	CAMPBELL & UNIVERSITY	2001	2021	21	-1	University EA	216	ERIE & HOWARD	2008	2028	14	6	
172	JEFFERSON & QUALITY WAY	2001	2021	21	-1		217	GRAND MARAIS & WALKER	2008	2028	14	6	
173	LAUZON & TRANBY	2001	2021	21	-1		218	LAUZON & WYANDOTTE	2008	2028	14	6	
174	LAUZON PKWY & CATHERINE	2001	2021	21	-1		219	MCDUGALL & PITT	2008	2028	14	6	
175	LAUZON PKWY & LAUZON LINE	2001	2021	21	-1		220	MCHUGH & WFCU EAST ENTRANCE	2008	2028	14	6	
176	MATCHETTE & PRINCE	2001	2021	21	-1		221	OUELLETTE & UNIVERSITY	2008	2028	14	6	
177	PILLETTE & PLYMOUTH	2001	2021	21	-1		222	WYANDOTTE & RIVERDALE	2008	2028	14	6	
178	PILLETTE & TECUMSEH	2001	2021	21	-1		223	CLOVER & MCHUGH	2009	2028	13	7	
179	SCULPTURE GARDEN & RIVERSIDE	2001	2021	21	-1		224	HOWARD & NORTH TALBOT	2009	2029	13	7	
180	CURRY & GRAND MARAIS	2002	2022	20	0		225	MAIDEN LANE & OUELLETTE	2009	2029	13	7	
181	DIVISION & WALKER	2002	2022	20	0		226	PROVINCIAL & LOWE'S	2009	2029	13	7	
182	DROUILLARD & TECUMSEH	2002	2022	20	0		227	WALKER & DIGBY	2009	2029	13	7	
183	FERRY & RIVERSIDE	2002	2022	20	0		228	WALKER & PARKDALE	2009	2029	13	7	
184	McDOUGALL & TECUMSEH	2002	2022	20	0		229	HURON CHURCH & RIVERSIDE	2009	2029	13	7	
185	OUELLETTE & RIVERSIDE	2002	2022	20	0		230	CRAWFORD & RIVERSIDE	2010	2029	12	8	
186	RAYMO & WYANDOTTE	2002	2022	20	0		231	DOUGALL & E.C. ROW (N)	2010	2030	12	8	Replacement 2023
187	SEMINOLE & SNAKE LANE	2002	2022	20	0		232	DOUGALL & E.C. ROW (S)	2010	2030	12	8	Replacement 2023
188	WALKER & CALDERWOOD	2002	2022	20	0		233	DUCHARME & WALKER	2010	2030	12	8	
189	BANWELL & TECUMSEH	2003	2023	19	1		234	EASTPARK & TECUMSEH	2010	2030	12	8	
190	TECUMSEH & WALKER	2003	2023	19	1		235	HOWARD & MEMORIAL	2010	2030	12	8	
191	WALKER & CANADA POST	2003	2023	19	1		236	MONMOUTH & WYANDOTTE	2010	2030	12	8	
192	CHRYSLER CTR. & GATE 3	2004	2024	18	2		237	OUELLETTE & PARK	2010	2030	12	8	
193	DOUGALL PKWY & SIXTH CONC	2004	2024	18	2		238	OUELLETTE & TECUMSEH	2010	2030	12	8	
194	FOSTER & WALKER	2004	2024	18	2		239	PARK & PELISSIER	2010	2030	12	8	
195	MONMOUTH & OTTAWA	2004	2024	18	2		240	PELISSIER & UNIVERSITY	2010	2030	12	8	
196	WALKER & COCO PLAZA	2004	2024	18	2		241	PROVINCIAL & WALKER	2010	2030	12	8	
197	CABANA & HOWARD	2005	2025	17	3		242	ROSEVILLE & TECUMSEH	2010	2030	12	8	
198	CENTRAL & GRAND MARAIS	2005	2025	17	3		243	TECUMSEH & HOME DEPOT	2010	2030	12	8	
199	CHRYSLER CENTRE & GRAND MARAIS	2005	2025	17	3		244	WALKER & HOME DEPOT	2010	2030	12	8	
200	CHRYSLER CTR. & GATE 1	2005	2025	17	3		245	WALKER & SEVENTH CONCESSION	2010	2030	12	8	
201	GRAND MARAIS & GATE #8	2005	2025	17	3		246	WALKER & WYANDOTTE	2010	2030	12	8	
202	HOWARD & SHEPHERD	2005	2025	17	3		247	CABANA & PROVINCIAL	2012	2030	10	10	
203	JEFFERSON & TECUMSEH	2005	2025	17	3		248	DOMINION & TOTTEN	2012	2032	10	10	
204	TECUMSEH & CLOVER	2005	2025	17	3		249	E.C. ROW (N) & WALKER	2012	2032	10	10	
205	GILES & HOWARD	2006	2026	16	4		250	E.C. ROW (S) & WALKER	2012	2032	10	10	
206	HOWARD & OTTAWA	2006	2026	16	4		251	RANDOLPH & WYANDOTTE	2012	2032	10	10	
207	LAUZON & LITTLE RIVER	2006	2026	16	4		252	RIVERSIDE & RIVERDALE	2012	2032	10	10	
208	LAUZON RD & McHUGH/LAUZON LINE	2008	2028	14	6		253	RIVERSIDE & SOLIDARTITY TOWERS	2012	2032	10	10	
209	MILL & WYANDOTTE	2006	2026	16	4		254	CALIFORNIA & WYANDOTTE	2013	2032	9	11	
210	OJIBWAY & SPRUCEWOOD	2006	2026	16	4	Some upgrades in 2019	255	CAMPBELL & WYANDOTTE	2013	2033	9	11	
211	CHATHAM & OUELLETTE	2007	2027	15	5		256	GLADSTONE & OTTAWA	2013	2033	9	11	
212	DROUILLARD & WYANDOTTE	2007	2027	15	5	2023 AMP Funding	257	HALL & OTTAWA	2013	2033	9	11	
213	TECUMSEH & AUTO MALL	2007	2027	15	5		258	LINCOLN & OTTAWA	2013	2033	9	11	
214	CHATHAM & MCDUGALL	2008	2028	14	6		259	SYDNEY & WALKER	2013	2033	9	11	
215	DIVISION AND HOME DEPOT	2008	2028	14	6		260	WALKER & AIRPORT	2013	2033	9	11	

**Project Attachment  
For: 2023**

**Project # OPS-008-20**

**Project Name: Traffic Signal Upgrades and Replacements**

No.	INTERSECTION	LAST UPGRADE	UPGRADE DUE	AGE	YEARS LEFT IN LIFE CYCLE (negative number indicates years past the useful life cycle)	PLAN FOR REBUILD	No.	INTERSECTION	LAST UPGRADE	UPGRADE DUE	AGE	YEARS LEFT IN LIFE CYCLE (negative number indicates years past the useful life cycle)	PLAN FOR REBUILD
261	CALIFORNIA & UNIVERSITY	2014	2033	8	12	University EA							
262	DEVONSHIRE & WYANDOTTE	2014	2034	8	12								
263	GLADSTONE & WYANDOTTE	2014	2034	8	12								
264	LINCOLN & WYANDOTTE	2014	2034	8	12								
265	GOYEAU & HOTEL DIEU CROSSING	2015	2034	7	13								
266	GILES & OUELLETTE	2017	2035	5	15								
267	JEFFERSON & WYANDOTTE	2017	2037	5	15								
268	OUELLETTE & WYANDOTTE	2017	2037	5	15								
269	CABANA & HOLBURN	2017	2037	5	15								
270	DIVISION & UNION SQUARE PLAZA	2018	2037	4	16								
271	LAUZON & RIVERSIDE	2018	2038	4	16								
272	ELLIOTT & OUELLETTE	2018	2038	4	16								
273	HURON CHURCH & TOTTEN	2019	2039	3	17								
274	HURON CHURCH & MALDEN	2019	2039	3	17								
275	DORCHESTER & HURON CHURCH	2019	2039	3	17								
276	DOUGALL AVE & OUELLETTE PL	2019	2039	3	17								
277	RIVERSIDE DRIVE & DEVONSHIRE	2020	2040	2	18								
278	DOMINION & NORTHWOOD	2020	2040	2	18								
279	BANWELL & PALMETTO	2020	2040	2	18								
280	STRABANE & WYANDOTTE	2020	2040	2	18								
281	DARFIELD & MCHUGH	2021	2041	1	19								
282	LAUZON RD & SPITFIRE WAY	2021	2041	1	19								
283	HURON CHURCH & TECUMSEH	2021	2041	1	19								
284	CABANA & DOMINION	2021	2041	1	19								
285	CABANA & DOUGALL	2021	2041	1	19								
286	BERNARD & TECUMSEH	2022	2042	0	20								
287	NORTHWAY & TECUMSEH	2022	2042	0	20								
288	BANWELL & MCHUGH/MCNORTON	2022	2042	0	20								
289	EUGENIE & MCDUGALL	2022	2042	0	20								
290	BANWELL & WILDWOOD	2022											



# Project Version Summary

<b>Project #</b>	OPS-010-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Traffic Operations & Parking
<b>Title</b>	Advanced Traffic Management System (ATMS) - System Maintenance		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

Council approved upgrading of the ATMS system via CR636/2002 implementing a staged approach to traffic signal system upgrades. Stage 2 was approved by CR359/2005 to commence the workstation interface. CR71/2010 approved the pilot project for implementation of the 2070 controller and D4 firmware, communications system upgrade to ethernet from serial communications, system components to facilitate/integrate the 2070 and ethernet communication systems. Successful implementation of the pilot project made the 2070 the standard controller. This project will be ongoing.

**Version Description**

The requested funds will be used for continued maintenance and addition of enhancements to the KITS/ATMS and continued maintenance of traffic controller equipment to the 2070 controller. This also includes rehabilitating the communication system to Ethernet from serial via fibre, broadband and cellular, replacement and upgrade of the central system hardware, implantation of central system modules, continued maintenance of the KITS/ATMS enhanced operational functionalities, travel time monitoring, adaptive traffic, continued CCTV camera expansion, and installation of ITS components associated with the system. KITS/ATMS system upgrades will include update to Traction Gold to compliment the installation of a pre emption priority system with Windsor Fire services and Windsor Transit. An Integration of new technologies and data acquisition is being reviewed for future installation.

Project Comments/Reference	Version Comments
7003326	

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5410	Construction Contracts - TCA	234,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	3,834,000
	Total	234,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	3,834,000
<b>Revenues</b>												
221	Service Sustainability Investm	234,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	3,834,000
	Total	234,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	3,834,000



Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2007	200,000	200,000	0				
		2008	200,000	200,000	0				
		2009	200,000	200,000	0				
		2010	200,000	200,000	0				
		2011	200,000	200,000	0				
		2012	200,000	200,000	0				
		2013	100,000	100,000	0				
		2015	250,000	250,000	0				
		2016	200,000	200,000	0				
		2017	200,000	200,000	0				
		2018	600,000	600,000	0				
		2019	520,000	520,000	0				
		2020	952,000	952,000	0				
		2021	488,000	488,000	0				
		2022	420,000	420,000	0				
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2007	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %	Ian Day		Ongoing`				



# Project Version Summary

<b>Project #</b>	OPS-001-18	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Transportation Planning
<b>Title</b>	School Neighbourhood Policy		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	The cost to implement the School Neighbourhood Policy varies on a location basis. Locations requiring school zone signage with controllable flashing signs are estimated to cost approximately \$15,000 per street location. Other standard signage is less costly to install and maintain.										
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<b>Version Description</b>	In October of 2016, Council adopted the School Neighbourhood Policy, CR645/2016. Based on a high-level estimate, bringing all of the school locations into compliance with the policy will cost approximately \$1.8 million. Implementation of policy recommendations at existing locations will be undertaken on a priority basis as funding and resources allow.										
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<b>Project Comments/Reference</b>	7202008			<b>Version Comments</b>							
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<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5475 Non-Tendered Construction Cost	150,000	40,000	50,000	50,000	50,000	100,000	100,000	107,800	0	0	647,800
Total	150,000	40,000	50,000	50,000	50,000	100,000	100,000	107,800	0	0	647,800
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	150,000	40,000	50,000	50,000	50,000	100,000	100,000	107,800	0	0	647,800
Total	150,000	40,000	50,000	50,000	50,000	100,000	100,000	107,800	0	0	647,800

<b>Related Projects</b>	<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>		
	<b>Revenue</b>				<b>Effective Date</b>	Unknown	<b>Exp/(Rev) FTE Impact</b>
	<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<b>Description</b>		0 0
	2022	150,000	150,000	0	The addition of signage including controllable flashing signs have associated on-going maintenance costs		

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2018	January 1, 2022	Growth: 100.0 % Maintenance: 0.0 %	Shawna Boakes	Ongoing`
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# Project Version Summary

<b>Project #</b>	OPS-001-19	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Transportation Planning
<b>Title</b>	Pedestrian Crossovers		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

This project would cover the materials and construction of new pedestrian crossovers (PXO). PXO's are defined in the Ministry of Transportation Ontario OTM Book 15; they currently include multiple types of treatment options that can be installed depending on traffic and geometric characteristics of the site. PXO's may require anything from signs with crossing markings, flashing beacons, or fully signalized pedestrian signals. Costs range from \$25,000 to \$85,000 depending on the treatment required.

**Version Description**

Development of prioritized pedestrian crossovers.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7191010	

<b>Project Detailed Forecast</b>												
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total	
<b>Expenses</b>												
5410 Construction Contracts - TCA	0	0	0	0	0	100,000	0	0	0	103,000	203,000	
Total	0	0	0	0	0	100,000	0	0	0	103,000	203,000	
<b>Revenues</b>												
169 Pay As You Go - Capital Reserve	0	0	0	0	0	100,000	0	0	0	103,000	203,000	
Total	0	0	0	0	0	100,000	0	0	0	103,000	203,000	

<b>Related Projects</b>	<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>			
			<b>Revenue</b>				<b>Effective Date</b> Unknown	
	<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Description</b>		<b>Exp/(Rev)</b>	<b>FTE Impact</b>
	2019	200,000	200,000	0	Addition of PXO's will increase ongoing maintenance operating costs. The affect on ongoing operating costs will be dependent upon the quantity and treatments installed.		0	0
	2021	164,993	0	164,993				
2022	200,000	200,000	0					

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2019	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %	Shawna Boakes	Ongoing`
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# Project Version Summary

<b>Project #</b>	OPS-003-14	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Transportation Planning
<b>Title</b>	University Avenue Environmental Assessment Placeholder		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 2, Ward 3		
<b>Version Name</b>	Main (Active)		

**Project Description**  
 As per the 2014 Enhanced Capital Plan, Council approved in principle funds from the 2018 Debt Reduction Levy for an environmental assessment that will be undertaken to create an attractive complete streets corridor by identifying the preferred alternative to reallocate any identified surplus vehicle capacity and optimize the design of the right-of-way. Implementation will be initiated with the balance of the funding.

**Version Description**  
 As per CR89/2014, Report #17088, Council approved the University Avenue project from Huron Church Road to McDougall Street. The environmental assessment is currently on hold pending completion of the University Ave Community improvement Plan being prepared by City Planning staff.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7144008/7149000 (closed)	COMMITMENT: B30/2019 C 53/2019: 2023 F221 \$401,000 - 2024 F169 \$125,000 - 2024 F221 \$475,000

<b>Project Detailed Forecast</b>											
<b>GL Account</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>	<b>Total</b>
<b>Expenses</b>											
5410 Construction Contracts - TCA	401,000	850,000	0	0	0	0	0	0	0	0	1,251,000
Total	401,000	850,000	0	0	0	0	0	0	0	0	1,251,000
<b>Revenues</b>											
169CF Committed Funding	0	125,000	0	0	0	0	0	0	0	0	125,000
221 Service Sustainability Investm	0	250,000	0	0	0	0	0	0	0	0	250,000
221CF Committed Funding	401,000	475,000	0	0	0	0	0	0	0	0	876,000
Total	401,000	850,000	0	0	0	0	0	0	0	0	1,251,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies	Description		0	0
		2018	5,000,000	5,000,000	0	The results of the ESR could influence the on-going operating expenses			
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2014	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %		Shawna Boakes	TBD`				



# Project Version Summary

<b>Project #</b>	OPS-007-16	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Transportation Planning
<b>Title</b>	Cabana Rd. Pavement Markings		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads Infrastructure		
<b>Wards</b>	Ward 1, Ward 9		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	CR92/2015 approves Traffic Operations to include ongoing capital requirements for the maintenance of specialty pavement markings of approximately \$110,000 every 5 years until full implementation of the Cabana/Division Road Corridor Environmental Study Report cross section.
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<b>Version Description</b>	Cycling facilities on Cabana Road from Northway Avenue to Walker Road.
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<b>Project Comments/Reference</b>	<b>Version Comments</b>

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	110,000	0	0	0	110,000	0	0	0	0	220,000
Total	0	110,000	0	0	0	110,000	0	0	0	0	220,000
<b>Revenues</b>											
221 Service Sustainability Investm	0	110,000	0	0	0	110,000	0	0	0	0	220,000
Total	0	110,000	0	0	0	110,000	0	0	0	0	220,000

<b>Related Projects</b>	<b>Historical Approved Budget</b>	<b>Operating Budget Impact</b>												
		<table border="0"> <tr> <td><b>Effective Date</b></td> <td>Unknown</td> <td><b>Exp/(Rev)</b></td> <td><b>FTE Impact</b></td> </tr> <tr> <td><b>Description</b></td> <td></td> <td>0</td> <td>0</td> </tr> <tr> <td colspan="4">No Operating Budget Impact</td> </tr> </table>	<b>Effective Date</b>	Unknown	<b>Exp/(Rev)</b>	<b>FTE Impact</b>	<b>Description</b>		0	0	No Operating Budget Impact			
<b>Effective Date</b>	Unknown	<b>Exp/(Rev)</b>	<b>FTE Impact</b>											
<b>Description</b>		0	0											
No Operating Budget Impact														

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
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2016	January 1, 2020	Growth: 0.0 % Maintenance: 0.0 %	Shawna Boakes	Every 5 Years
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## Project Version Summary

<b>Project #</b>	OPS-009-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Transportation Planning
<b>Title</b>	Transportation Planning Environmental Study Reports (ESRs)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

Ongoing allocation to provide funds for Environmental Study Reports (ESR) as approved by CR148/2001.

The list of upcoming ESRs (alpha order) are:

- Central (Tecumseh to E.C. Row Expressway)
- E.C. Row Expressway
- Jefferson (Rose to to Airport Lands)
- Lauzon Road (Tecumseh Road East to Forest Glade Drive)
- Ojibway Parkway (MTO Jurisdiction to Morton Drive)
- Transportation Master Plan
- Truck Route Study
- Wyandotte Street East Extension (Jarvis to Banwell)

### Version Description

ESRs typically extend beyond one year in duration (range from \$70,000 - \$500,000 per study).

Note: Annual budgets may need to be accumulated in order to initiate a typical ESR if the cost is significant.

### Project Comments/Reference

7086010  
The transportation master plan would build upon recently-completed city-wide transportation-related plans, such as the Transit Service Delivery Review (“More Than Transit”) and the Active Transportation Master Plan (“Walk Wheel Windsor”), as well as current studies examining the transportation needs of large portions of the City, such as the Sandwich South Servicing Master Plan.

### Version Comments

Windsor’s most recent approved transportation master plan, the Windsor Area Long-term Transportation Study (WALTS), was completed in 1999 and analyzed Windsor’s transportation needs out to a horizon year of 2016. WALTS made recommendations for transportation improvements within the City limits of the time, which did not include the annexed lands of the former Township of Sandwich South that were acquired in 2003.

A transportation master plan, typically updated every 5 years, is a critical document for identifying a municipality’s future transportation needs and long-term infrastructure funding requirements. A transportation master plan also streamlines and reduces the cost of environmental assessments (EAs) for individual transportation projects, since the Municipal Class EA considers a master plan to fulfill the first two phases of the five-phase environmental assessment process.

The transportation master plan would build upon recently-completed city-wide transportation-related plans, such as the Transit Service Delivery Review (“More Than Transit”) and the Active Transportation Master Plan (“Walk Wheel Windsor”), as well as current studies examining the transportation needs of large portions of the City, such as the Sandwich South Servicing Master Plan.

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
2950	Other Prof Services-External	100,000	100,000	100,000	100,000	0	0	0	0	200,000	45,000	645,000
Total		100,000	100,000	100,000	100,000	0	0	0	0	200,000	45,000	645,000
<b>Revenues</b>												
160	Capital Expenditure Reserve	0	0	0	0	0	0	0	0	0	0	0
169	Pay As You Go - Capital Reserve	25,000	25,000	25,000	25,000	0	0	0	0	200,000	45,000	345,000
221	Service Sustainability Investm	75,000	75,000	75,000	75,000	0	0	0	0	0	0	300,000
Total		100,000	100,000	100,000	100,000	0	0	0	0	200,000	45,000	645,000

Related Projects		Historical Approved Budget				Operating Budget Impact				
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
					Total Expense	Net City Cost				
2007	January 2, 2015	Growth: 25.0 % Maintenance: 75.0 %	Shawna Boakes	Ongoing`	2007	200,000	200,000	0		0
					2008	200,000	200,000	0		0
					2009	200,000	200,000	0		0
					2011	250,000	250,000	0		0
					2012	100,000	100,000	0		0
					2014	100,000	100,000	0		0
					2015	100,000	100,000	0		0
					2016	100,000	100,000	0		0
					2017	100,000	100,000	0		0
					2018	100,000	100,000	0		0
					2019	100,000	100,000	0		0
					2020	100,000	100,000	0		0
					2021	225,000	225,000	0		0
					2022	100,000	100,000	0		0



# Project Version Summary

<b>Project #</b>	OPS-014-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Transportation Planning
<b>Title</b>	Citywide Bikeway Development Initiatives		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

Various locations for bike facility development as approved by B.U.M.P. and CR554/2001. This funding is dedicated to implementing the 4 main components: Cycling Network Development, Cycling Awareness and Education, Cycling-Transit Links and End-of-trip Facilities. CR627/2016 & CR628/2016 confirmed the project list for enhanced funding received to date.  
 Note: Implementation of cycling facilities will depend on schedule of road reconstruction and resurfacing projects.

**Version Description**

Increased capital budgets since 2011 are essential to ensuring cycling facilities are constructed in capital projects by other divisions and to access grant funding (those requiring municipal contribution) as it becomes available.

Project Comments/Reference	Version Comments
(Closed: 7086009,7092024-ISF) Active: 7111031	

Project Detailed Forecast												
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total	
<b>Expenses</b>												
5410 Construction Contracts - TCA	200,000	400,000	400,000	400,000	100,000	100,000	100,000	100,000	600,000	281,000	2,681,000	
Total	200,000	400,000	400,000	400,000	100,000	100,000	100,000	100,000	600,000	281,000	2,681,000	
<b>Revenues</b>												
169 Pay As You Go - Capital Reserve	200,000	400,000	400,000	400,000	100,000	100,000	100,000	100,000	600,000	281,000	2,681,000	
176 Canada Community-Building Fund	0	0	0	0	0	0	0	0	0	0	0	
Total	200,000	400,000	400,000	400,000	100,000	100,000	100,000	100,000	600,000	281,000	2,681,000	

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2007	200,000	200,000	0				
		2008	200,000	200,000	0				
		2009	200,000	66,667	133,333				
		2010	200,000	66,667	133,333				
		2011	400,000	400,000	0				
		2012	400,000	400,000	0				
		2013	400,000	400,000	0				
		2015	400,000	400,000	0				
		2016	200,000	200,000	0				
		2017	400,000	400,000	0				
		2018	500,000	500,000	0				
		2019	600,000	600,000	0				
		2020	500,000	500,000	0				
		2021	400,000	400,000	0				
		2022	200,000	200,000	0				
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2007	January 1, 2015	Growth: 100.0 % Maintenance: 0.0 %		Shawna Boakes	Ongoing`				



# Project Version Summary

<b>Project #</b>	OPS-021-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Public Works
<b>Asset Type</b>	Unassigned	<b>Division</b>	Transportation Planning
<b>Title</b>	Traffic Calming Initiatives		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

General ongoing allocation of funds for Traffic Calming initiatives per the Traffic Calming Policy (CR537/2005). On September 21, 2015, Council approved the revised Traffic Calming Policy (M394-2015). Ongoing Capital budget is required including processing requests through the policy process and implementation of prioritized traffic calming plans.

**Version Description**

The magnitude of the prioritized traffic calming plans and available funding will dictate the implementation schedule.

Project Comments/Reference	Version Comments
7069022 7211020-Expedited Traffic Calming	

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
2950	Other Prof Services- External	0	0	0	400,000	0	100,000	0	0	1,140,000	281,000	1,921,000
	Total	0	0	0	400,000	0	100,000	0	0	1,140,000	281,000	1,921,000
<b>Revenues</b>												
160	Capital Expenditure Reserve	0	0	0	0	0	100,000	0	0	0	0	100,000
169	Pay As You Go - Capital Reserve	0	0	0	400,000	0	0	0	0	1,140,000	281,000	1,821,000
	Total	0	0	0	400,000	0	100,000	0	0	1,140,000	281,000	1,921,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2011	50,000	50,000	0				
		2014	75,000	75,000	0				
		2016	75,000	75,000	0				
		2019	169,000	169,000	0				
		2020	206,000	206,000	0				
		2021	200,000	200,000	0				
		Traffic calming features have associated on-going maintenance / operational costs including signage, markings, surface and winter maintenance. (The ongoing operational costs associated with the temporary speed cushions are approximately \$2,000 per location annually and approximately \$500 per location annually for permanent speed cushions.)							
Year Identified	Start Date	Project Type for 2023	Project Lead		Est. Completion Date				
2007	January 1, 2015	Growth: 0.0 % Maintenance: 0.0 %	Shawna Boakes		Ongoing`				



# Project Version Summary

<b>Project #</b>	TRN-001-22	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Transit Windsor
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Transit Windsor
<b>Title</b>	Transit Windsor Garage		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

This project is intended to facilitate the implementation of More Than Transit, Transit Windsor's master plan. The current Transit Windsor garage, constructed in the 1970s, is at 120% of its design capacity, and will not accommodate further system growth or fleet expansion/electrification. The TMP projects fleet growth of over 40% over the full implementation of the Plan, which the current facility will not accommodate.

**Version Description**

In light of current operations and in consideration of the recommendations stemming from the recently approved Transit Windsor Master Plan and the changes it proposes, a review of Transit Windsor's space needs was performed. This included a comprehensive review of the potential for expansion and rehabilitation of the current Transit Windsor garage versus the feasibility of building a new facility.

Gross costs for this project are estimated by Dillon Consulting to be \$191.05M. This project will be heavily reliant on grant funding eligible for Transit Windsor through the Investing in Canada Infrastructure Program (ICIP) which provides 73.33% funding for all eligible expenses. If approved, ICIP would fund approximately \$70.62M of the project costs, leaving approximately \$120.43M to be funded by the municipality. Without the ICIP grant funding, these projects would be required to be funded 100% through municipal funding.

Project Comments/Reference	Version Comments
	PLACEHOLDER FUNDING (ICIP GRANT): CR501/2022 C 191/2022: F221 2023 \$4,073,574 F221 2024 \$5,701,947 2025 F221 \$1,024,479 CR501/2022 C 191/2022: F169 2028 \$1,000,000 F169 2029 \$418,037

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5410	Construction Contracts - TCA	4,073,574	5,701,947	1,024,479	0	0	1,000,000	418,037	1,581,963	0	0	13,800,000
	Total	4,073,574	5,701,947	1,024,479	0	0	1,000,000	418,037	1,581,963	0	0	13,800,000
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	1,581,963	0	0	1,581,963
169CF	Committed Funding	0	0	0	0	0	1,000,000	418,037	0	0	0	1,418,037
221	Service Sustainability Investm	0	0	0	0	0	0	0	0	0	0	0
221CF	Committed Funding	4,073,574	5,701,947	1,024,479	0	0	0	0	0	0	0	10,800,000
	Total	4,073,574	5,701,947	1,024,479	0	0	1,000,000	418,037	1,581,963	0	0	13,800,000



Related Projects		Historical Approved Budget		Operating Budget Impact
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date
2022		Growth: 0.0 % Maintenance: 100.0 %	Tyson Cragg	Dec 2027`



# Project Version Summary

<b>Project #</b>	TRN-003-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Transit Windsor
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Transit Windsor
<b>Title</b>	Transit Windsor - Shelters/Signage/Amenities Maintenance and Replacement		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

In order to properly maintain and replace bus shelters, signage and other customer amenities which require maintenance due to wear and tear as well as damage, capital funding is required annually. Transit shelters also require new batteries after approximately 6 years. This project will assist in providing necessary funding to purchase and install these replacement batteries as necessary.

**Version Description**

This project provides ongoing funding for maintenance and replacement needs for shelters, signage and other customer amenities.

Project Comments/Reference	Version Comments
7045018	

Project Detailed Forecast											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5110 Machinery & Equipment - TCA	52,000	53,000	54,100	55,200	56,300	77,400	58,500	59,700	60,894	62,112	589,206
Total	52,000	53,000	54,100	55,200	56,300	77,400	58,500	59,700	60,894	62,112	589,206
<b>Revenues</b>											
127 Dev Chg - Transit	52,000	53,000	54,100	55,200	56,300	77,400	58,500	59,700	60,894	62,112	589,206
Total	52,000	53,000	54,100	55,200	56,300	77,400	58,500	59,700	60,894	62,112	589,206

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2007	50,000	50,000	0				
		2008	50,000	50,000	0				
		2009	50,000	50,000	0				
		2010	30,000	30,000	0				
		2011	30,000	30,000	0				
		2012	30,000	30,000	0				
		2013	30,000	30,000	0				
		2014	20,000	20,000	0				
		2015	20,000	20,000	0				
		2016	20,000	20,000	0				
		2021	50,000	50,000	0				
		2022	51,000	51,000	0				
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date				
2007	January 1, 2015	Growth: 100.0 % Maintenance: 0.0 %		Steve Habrun	Ongoing`				



# Project Version Summary

<b>Project #</b>	TRN-003-22	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Transit Windsor
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Transit Windsor
<b>Title</b>	Automated Passenger Counter		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

Automated Passenger Counter (APCs) are electronic machines located near the doors of a transit bus that count the number of passengers that enter and exit at every transit stop. This project is intended to provide Transit Windsor with an automated method for collecting information about the number of passengers at a variety of system levels, including route, route assignment, or specific transit stops by time of day and by day of week. More detailed ridership data are used by transit planners and schedulers to analyze performance and to make changes at the route, trip or stop levels so that service levels matches the demand.

**Version Description**

In recent years, Transit Windsor received approval to purchase 65 APCs in a fleet of 117 representing approximately 56% APC coverage.

In 2021, as a result of the COVID-19 pandemic, Transit Windsor was able to access funding through the Safe Restart funding program to purchase and install vehicle occupancy & crowding data software. This provided riders with real time bus occupancy information delivered through Transit Windsor's prediction portal and the Transit App. APCs provide the foundation for providing real-time information on vehicle crowding to transit riders. As crowding information is available in real time, riders can elect to wait for the next vehicle if it is coming soon and less crowded. Transit Windsor received approval in its 2022 capital budget to install APCs on the remaining fleet in order to allow better data collections and analysis. This would also fully support the vehicle occupancy & crowding data software in providing complete information. Transit Windsor is currently preparing a submission to the Investing in Canada Infrastructure Program (ICIP) to fund a portion of the project (73.33%).

This project is heavily reliant on grant funding eligible for Transit Windsor through the Investing in Canada Infrastructure Program (ICIP) which provides 73.33% funding for all eligible expenses. Without this grant funding, these projects would be required to be funded 100% through Municipal funding.

<b>Project Comments/Reference</b>	<b>Version Comments</b>
7221029	COMMITMENTS: CR352/2022 C 140/2022: 2024 F221 \$110K

<b>Project Detailed Forecast</b>											
GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5410 Construction Contracts - TCA	0	110,000	0	0	0	0	0	0	0	0	110,000
Total	0	110,000	0	0	0	0	0	0	0	0	110,000
<b>Revenues</b>											
221 Service Sustainability Investm	0	0	0	0	0	0	0	0	0	0	0
221CF Committed Funding	0	110,000	0	0	0	0	0	0	0	0	110,000
Total	0	110,000	0	0	0	0	0	0	0	0	110,000

Related Projects		Historical Approved Budget			Operating Budget Impact	
			<u>Revenue</u>			
		<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	
		2022	90,000	90,000	0	
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date	
2022		Growth: 0.0 % Maintenance: 0.0 %		Tyson Cragg	2023	



## Project Version Summary

<b>Project #</b>	TRN-001-07	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Transit Windsor
<b>Asset Type</b>	Unassigned	<b>Division</b>	Transit Maintenance
<b>Title</b>	Transit Windsor Fleet Replacement Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

Transit Windsor's 2015-2035 Fleet Acquisition Plan directed that for the purchasing and disposal of buses, the previously used 18-year life cycle for a bus be reduced to 12 years, thereby reducing maintenance requirements and the need for additional spare vehicles. This project submission will ensure that Transit Windsor is fully implementing a 12-year lifecycle of its fleet as recommended in the Life Cycle Costing recommendations and will be an opportunity to improve the current Transit Windsor fleet.

This project contains funding requests for the Transit Windsor fleet replacement program. Prior to 2016, this project included funding for the fleet replacement program and refurbishment or repair costs that extend the useful life of the buses (as reflected in the Historical Approved Budget section). Commencing in 2016, the refurbishment and repair budget funding has been separated into a separate project (project # TRN-001-16).

This project includes funding for the annual acquisition of replacement buses for Transit Windsor. With such a large and varying fleet of buses and with continual fiscal pressures, the City of Windsor commissioned a full lifecycle costing study in 2015 which was conducted by Parsons Brinckerhoff. This study developed a Transit Fleet Asset Management Plan that identified strategies for fiscal expenditures that results in a reduction to Transit Windsor's operating budget. The study recommended that 8 buses be purchased each year. The study was completed and reported to City Council in 2016.

**Version Description**

Through the fleet replacement program, the introduction of new and modern vehicles will be another step in the process to encourage behavioural change in the community by improving the competitiveness and attractiveness of public transportation. Ultimately the goal is to double the transit modal split by encouraging non-riders to take public transit for selected trips rather than drive their cars and to expand the system to improve service in the region of Windsor and Essex County.

In the industry, buses have a projected life expectancy of 12 years with some properties keeping their buses as long as 18 years. Transit Windsor has older buses in its fleet which are costly to maintain and are not environmentally friendly. Transit Windsor has difficulty procuring repair parts and has to salvage parts from other buses to keep the buses on the road. The immediate replacement of newer clean diesel buses will reduce the GHG emissions and allow Transit Windsor to dispose of any bus older than 12 years. The average age of the Transit Windsor fleet is approximately 7.34 years. Transit Windsor's operations will become more efficient with repairs less costly and these funds can be redirected into providing and expanding service.

In addition to the benefit to Transit Windsor's ridership, the regional community will also benefit from the continuation of an environmentally friendly fleet as this will result in a cleaner community. The conversion of high-floor to low-floor, accessible buses has increased ridership opportunities for those with disabilities or mobility impairments. Students will also be an important target group as this demographic makes up a significant portion of the Windsor population.

The City of Windsor budgets for its capital programs using a ten-year plan. This project identifies funding levels required to continue with the implementation of the recommendations outlined in the lifecycle costing study which recommends that 8 buses be purchased each year. Based on estimated costs for 8 replacement buses annually, this project does not provide sufficient funding in order to meet the recommended 8 replacement buses annually. In recent years, replacement of Transit Windsor's fleet has been heavily reliant on the Investing in Canada Infrastructure Program (ICIP) grant funding.

The new Transit Windsor Garage Project is being brought forward to City Council for review at their November 28, 2022 meeting. If the Garage Project is not approved by Council at that time, items from the TW Fleet Replacement Project (TRN-001-07) will be brought forward as part of an Alternative Project to maximize the full amount of available ICIP funding.

Note: The Transit Windsor Garage Project and the Alternative ICIP Project are subject to review by City Council at their meeting on November 28, 2022.

**Project Comments/Reference**

7201014 / 7222012  
(CLOSED: 7003812, 7109002, 7111029, 7131003, 7151007, 7121003, 7141015, 7171044, 7151006, 7191031)

**Version Comments**

COMMITMENT:  
ICIP - Public Transit Intake 3 Grant (Grant was successful)  
CR338/2021 C 101/2021: 2023 F221 \$726,426.12

PLACEHOLDER FUNDING (ICIP GRANT):  
CR501/2022 C 191/2022: F221 2025 \$1,167,896 F221 2026 \$3,952,638  
CR501/2022 C 191/2022: F221 2027 \$6,458,059 F221 2028 \$5,200,000

**Project Detailed Forecast**

GL Account	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>											
5110 Machinery & Equipment - TCA	726,426	0	1,167,896	3,952,638	6,458,059	5,200,000	5,200,000	5,200,000	5,200,000	0	33,105,019
Total	726,426	0	1,167,896	3,952,638	6,458,059	5,200,000	5,200,000	5,200,000	5,200,000	0	33,105,019
<b>Revenues</b>											
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
221 Service Sustainability Investm	0	0	0	0	0	0	5,200,000	5,200,000	5,200,000	0	15,600,000
221CF Committed Funding	726,426	0	1,167,896	3,952,638	6,458,059	5,200,000	0	0	0	0	17,505,019
Total	726,426	0	1,167,896	3,952,638	6,458,059	5,200,000	5,200,000	5,200,000	5,200,000	0	33,105,019

Related Projects		Historical Approved Budget			Operating Budget Impact				
Follows		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
TRN-001-20		2008	5,898,500	4,818,500	1,080,000			0	0
TRN-002-20		2009	6,509,133	3,904,557	2,604,576				
TRN-003-20		2010	4,530,500	4,530,500	0				
		2011	3,859,554	3,859,554	0				
		2012	3,860,500	3,860,500	0				
<b>Project Title</b>		2013	350,000	350,000	0				
ICIP-Customer Stop Amenities		2014	3,510,500	3,510,500	0				
		2015	3,510,500	3,510,500	0				
		2019	215,108	215,108	0				
		2020	72,114	72,114	0				
		2022	3,997,180	3,997,180	0				
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2023</b>		<b>Project Lead</b>		<b>Est. Completion Date</b>			
2007	January 2, 2016	Growth: 0.0 % Maintenance: 100.0 %		Tyson Cragg		Ongoing`			





## Project Version Summary

<b>Project #</b>	TRN-001-16	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Transit Windsor
<b>Asset Type</b>	Unassigned	<b>Division</b>	Transit Maintenance
<b>Title</b>	Transit Windsor Fleet Refurbishment/Repair Costs		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Fleet Refurbishment/Repair Costs (Active)		

<b>Project Description</b>	
<p>This project has funding for the Transit Windsor fleet refurbishment and repair costs that extend the useful life of the buses or additional vehicle enhancements (e.g. ITS System enhancements).</p> <p>This Capital Budget submission includes a provision for refurbishment and repair or enhancement costs.</p>	
<b>Version Description</b>	
<p>As noted in project TRN-001-07, prior to 2016, the fleet replacement project had funding for fleet replacement and refurbishment or repair costs that extend the useful life of the buses. Commencing in 2016, the refurbishment and repair budget funding was reallocated to this separate project</p> <p>A reduction to \$300,000 from \$500,000 in year 2023 and onward will have an impact on operating as this capital amount is transferred into operating to cover refurbishments and repairs. Due to the age of many buses within the fleet, significant refurbishment work will continue to be required in order to maintain the existing fleet over the next few years even after the new bus purchases in 2018, 2020, and 2022. In 2008 and 2010, a total of 29 new buses were purchased and now require refurbishment work at the same time. Eighteen of the buses from the 2008 order are hybrids, and the refurbishment costs are much higher than standard diesel buses. This is a drawback to purchasing a large volume of buses all in the same year. In order to ensure Transit Windsor is able to have the appropriate number of buses in service in order to meet the service demands, as well as ensure all buses are meeting MTO safety requirements, appropriate funding is required.</p> <p>Funding in prior years was \$500,000 per year. The risk of reducing the refurbishment funding in future years will impact the operating budget as the work must be completed to meet service needs and therefore these costs would be required to be incurred through operating. Operating maintenance costs are continuing to increase as parts become more expensive, therefore using the operating budget to complete necessary refurbishment work would lead to a significant deficit in the Fleet Vehicle Parts and Maintenance operating budget.</p>	
<b>Project Comments/Reference</b>	<b>Version Comments</b>
<p>Open: 7221028, 7231025          (Closed:          7151007/7171034/7161041/7181018/7191017/7201015/7211035)</p>	

Project Detailed Forecast													
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total	
<b>Expenses</b>													
2250	Vehicle Maint Parts/Materials	300,000	300,000	300,000	300,000	300,000	400,000	400,000	400,000	400,000	500,000	3,600,000	
Total		300,000	300,000	300,000	300,000	300,000	400,000	400,000	400,000	400,000	500,000	3,600,000	
<b>Revenues</b>													
221	Service Sustainability Investm	300,000	300,000	300,000	300,000	300,000	400,000	400,000	400,000	400,000	500,000	3,600,000	
Total		300,000	300,000	300,000	300,000	300,000	400,000	400,000	400,000	400,000	500,000	3,600,000	
Related Projects		Historical Approved Budget				Operating Budget Impact							
				Revenue				Effective Date		Unknown		Exp/(Rev) FTE Impact	
		Year	Total Expense	Net City Cost	Subsidies	Description				0		0	
		2016	471,000	471,000	0	No Operating budget Impact.							
		2017	500,000	500,000	0								
		2018	500,000	500,000	0								
		2019	500,000	500,000	0								
		2020	500,000	500,000	0								
		2021	500,000	500,000	0								
		2022	500,000	500,000	0								
Year Identified	Start Date	Project Type for 2023		Project Lead		Est. Completion Date							
2016	January 1, 2017	Growth: 0.0 % Maintenance: 100.0 %		Tyson Cragg		Ongoing`							



## Project Version Summary

<b>Project #</b>	TRN-001-21	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Transit Windsor
<b>Asset Type</b>	Unassigned	<b>Division</b>	Transit Maintenance
<b>Title</b>	Transit Windsor Master Plan Implementation		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

### Project Description

During 2018 and 2019, Transit Windsor conducted a Service Delivery Review which was completed at the end of 2019 with the results presented to City Council as the Transit Windsor Master Plan in early 2020. This Master Plan was approved by City Council through B7/2020 CR40/2020. This capital project requests funding for a number of projects, such as Fare Collection Technology, Customer Amenities and Terminals, On Demand, and New Growth Fleet. All are projects outlined and recommended for implementation in the Master Plan over the upcoming eight (8) years.

This project will be brought forward to council as an alternate project to make use of all available ICIP grant funding, if the Transit Windsor Garage Project (TRN-001-22) is not approved.

The Investing in Canada Infrastructure Program (ICIP) provides 73.33% funding for all eligible expenses. Without this grant funding, projects would require 100% Municipal funding.

### Version Description

Transit Windsor completed a service delivery review in 2018 which was brought to City Council as the Transit Windsor Master Plan on January 27, 2020. This plan was approved with B7/2020 CR40/2020 and recommended that Transit Windsor service enhancements be implemented over the next eight (8) years. These enhancements provide more frequent service to a greater area throughout the Windsor region through a more effective and efficient route plan, maximizing rider service needs.

The full scope of the Master Plan includes:

- Improved Customer Amenities and Terminals
- Improved Fare Collection Technology
- Additional Fleet
- On-Demand Transit
- Improved Routing

The new Transit Windsor Garage Project is being brought forward to City Council for review at their November 28, 2022 meeting. If the Garage Project is not approved by Council at that time, items from the Transit Windsor Master Plan Implementation Project (TRN-001-21) will be brought forward as part of an Alternative Project to maximize the full amount of available ICIP funding. It should also be noted that the TW Master Plan cannot be fully implemented due to the limitations of the existing Garage.

Note: The Master Plan Project will have additional operating impacts which will be brought forward through the operating budget process annually as operating funding is a significant component of the implementation plan.

### Project Comments/Reference

7201016

### Version Comments

Project Detailed Forecast												
GL Account		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>Expenses</b>												
5110	Machinery & Equipment - TCA	583,204	0	0	400,000	0	0	0	0	0	0	983,204
Total		583,204	0	0	400,000	0	0	0	0	0	0	983,204
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	583,204	0	0	0	0	0	0	0	0	0	583,204
221	Service Sustainability Investm	0	0	0	400,000	0	0	0	0	0	0	400,000
Total		583,204	0	0	400,000	0	0	0	0	0	0	983,204

Related Projects		Historical Approved Budget				Operating Budget Impact		
				Revenue		Effective Date	Unknown	Exp/(Rev) FTE Impact
		Year	Total Expense	Net City Cost	Subsidies	Description		0 0
		2022	759,744	759,744	0	The operating budget issue #2021-0070 is linked to this project and is related to the implementation of the Master Plan. Without approval of this issue, some projects would not be able to move forward. It is important to note that by approving this Master Plan project, additional operating impacts will therefore be brought forward through the operating budget process annually as operating funding is a significant component of the implementation plan. Overall, the Transit operating budget net impact over the next eight (8) years is anticipated to require an increase of approximately \$13,800,000. This is a high level estimate and Transit will review the plan annually and bring forward appropriate funding needs.		
Year Identified	Start Date	Project Type for 2023		Project Lead		Est. Completion Date		
2021	January 1, 2022	Growth: 100.0 % Maintenance: 0.0 %		Tyson Cragg		2027`		



# Project Version Summary

<b>Project #</b>	TRN-002-08	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Transit Windsor
<b>Asset Type</b>	Unassigned	<b>Division</b>	Transit Maintenance
<b>Title</b>	TW Hybrid Life Extension		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>	This request is to fund the major repair costs to the fleet, specifically the hybrid buses, due to the delay in replacing buses. Transit Windsor expects to continue to accrue costs to keep the existing fleet operational until such time as the older buses can be removed from service.
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<b>Version Description</b>	This provision will assist in replacing major components on hybrid buses including such as high voltage batteries, DPIM's and the DPF emission system when replacement is required. Industry experience indicates that these two major components start to fail between 6 to 8 years of age. Transit Windsor currently has 29 hybrid vehicles in the fleet and all of these vehicles are currently out of warranty.
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<b>Project Comments/Reference</b>	<b>Version Comments</b>
7211041 (Closed: 7135000/7141016/7161042)	

<b>Project Detailed Forecast</b>		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5110	Machinery & Equipment - TCA	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000
	Total	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000
<b>Revenues</b>												
221	Service Sustainability Investm	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000
	Total	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000

Related Projects		Historical Approved Budget			Operating Budget Impact				
		Year	Total Expense	Revenue		Effective Date	Unknown	Exp/(Rev)	FTE Impact
				Net City Cost	Subsidies				
		2013	150,000	150,000	0				
		2014	300,000	300,000	0				
		2016	300,000	300,000	0				
		2021	302,500	302,500	0				
		2022	200,000	200,000	0				
		<p>The life cycle of some of the major components (such as the hybrid batteries and the DPIMs) is challenging to predict. There is no definite date or age as to when these components will require replacement. The replacement costs for the Hybrid ESS battery and DPIM controller are estimated at \$44,000 and \$70,250 respectively. Since 18 hybrid buses were purchased in 2009, there is likelihood that these parts will all require replacement at the same time.</p>							
Year Identified	Start Date	Project Type for 2023	Project Lead	Est. Completion Date					
2008	January 1, 2016	Growth: 0.0 % Maintenance: 100.0 %	Tyson Cragg	Ongoing`					



# Project Version Summary

<b>Project #</b>	TRN-007-21	<b>Service Area</b>	Infrastructure Services
<b>Budget Year</b>	2023	<b>Department</b>	Transit Windsor
<b>Asset Type</b>	Unassigned	<b>Division</b>	Transit Maintenance
<b>Title</b>	Support Vehicles		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

**Project Description**

Transit Windsor's fleet includes a number of support and service vehicles which require replacement as their useful life comes to an end. This project provides funding to replace these vehicles and purchase additional vehicles as necessary. As service increases per the council approved Master Plan, addition support and service vehicles will be required in order to maintain necessary support for the increased service enhancements.

**Version Description**

Transit Windsor completed a service delivery review in 2018 which was brought to City Council as the Transit Windsor Master Plan in January 27, 2020. This plan was approved with B7/2020 CR40/2020 and recommended that Transit Windsor service enhancements be implemented over the next eight (8) years. These enhancements provide more frequent service to a greater area throughout the Windsor region through a more effective and efficient route plan, maximizing rider service needs.

Transit Windsor currently has a fleet of 13 non-revenue on-road support vehicles (primarily Dodge Grand Caravans used for supervisory duties, planning and administrative, and operator transport. There are also 5 maintenance support vehicles that are used for winter control and facility maintenance. The oldest vehicle in the fleet is currently 10 years old. Given the severe duty cycles on these vehicles, Transit Windsor has traditionally budgeted to replace one to two vehicles per year, as budget allows.

Project Comments/Reference	Version Comments
7201014	

Project Detailed Forecast		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
<b>GL Account</b>												
<b>Expenses</b>												
5110	Machinery & Equipment - TCA	0	0	0	0	0	103,382	105,449	107,558	109,709	111,903	538,001
	Total	0	0	0	0	0	103,382	105,449	107,558	109,709	111,903	538,001
<b>Revenues</b>												
169	Pay As You Go - Capital Reserve	0	0	0	0	0	103,382	105,449	107,558	109,709	111,903	538,001
	Total	0	0	0	0	0	103,382	105,449	107,558	109,709	111,903	538,001

Related Projects		Historical Approved Budget			Operating Budget Impact			
			Revenue		Effective Date	Unknown	Exp/(Rev) FTE Impact	
		Year	Total Expense	Net City Cost	Subsidies	Description	0	0
		2021	154,577	154,577	0	Additional maintenance will come with additional service vehicles. Minor fuel increase may also occur as these will be additional vehicles on the road.		
Year Identified	Start Date	Project Type for 2023		Project Lead	Est. Completion Date			
2021	January 1, 2021	Growth: 0.0 % Maintenance: 0.0 %		Tyson Cragg	Ongoing`			