



# **BUDGET 2016**

**CAPITAL BUDGET DETAIL**



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# **2016 Approved Capital Budget**



## **Section A:**

### **2016 Capital Budget 5-Year Plan Report & Council Resolutions**

**THE CORPORATION OF THE CITY OF WINDSOR  
Office of the City Treasurer – Asset Planning**



**MISSION STATEMENT:**

*“Our City is built on relationships – between citizens and their government, businesses and public institutions, city and region – all interconnected, mutually supportive, and focused on the brightest future we can create together.”*

<b>LiveLink REPORT #: 18045</b>	<b>Report Date: November 10, 2015</b>
<b>Author’s Name: Victor Ferranti</b>	<b>Date to Council: December 21, 2015</b>
<b>Author’s Phone: 519 255-6100 ext. 1732</b>	<b>Classification #:</b>
<b>Author’s E-mail: vferranti@citywindsor.ca</b>	

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

**Subject: 2016 Capital Budget 5-Year Plan**

**1. RECOMMENDATION: City Wide: X Ward(s): \_\_\_\_\_**

THAT Council **RECEIVE** the 2016 Capital Budget 5-year Capital Plan documents; and

THAT Council **APPROVE** the recommended 2016 funding allocation for capital projects totalling \$112,254,000 (subject to any further changes approved by Council, including consideration of dedicated levy funding as presented by the asset management team); and

THAT Council **APPROVE IN PRINCIPLE** the recommended 2017 to 2020 capital expenditures and funding allocations totalling a further \$401,429,000 (subject to any further changes approved by Council).

**EXECUTIVE SUMMARY:**

N/A

**2. BACKGROUND:**

At its meeting of August 24<sup>th</sup>, 2015 Council adopted the following resolution:

*M345-2015*

**THAT** the report of the Chief Financial Officer & City Treasurer dated July 27<sup>th</sup>, 2015 regarding the 2016 Proposed Budget Process & Timeline **BE RECEIVED** for information.

Essentially the report laid out a timeline aimed at getting the 2016 capital budget (as well as the operating budget) to be approved by Council on December 7, 2015, unless otherwise directed by Council. At the Council meeting of November 16, 2015, Council formally ratified the results of an email poll approving December 21, 2015 as the revised council deliberation date in order to allow some pre-budget reports to be considered by Council prior to the budget deliberations.

### 3. DISCUSSION:

On January 19th, 2015 Council approved the 2015 - 2019 5-Year Capital Plan (per B22-2015). The 2016 capital budget being submitted to Council updates that plan for the 2016 - 2020 timeframe. Therefore, this plan brings forth an additional year (2020) and, as well, contains some recommended changes to projects that were previously approved by Council in principle only for the 2016 - 2019 years.

#### Overall Funding

Total funds of \$513.7 million are projected to be available in this 2016 - 2020 5-year plan as detailed on page 11 of the 2016 Recommended Capital Budget book.

Contributions from the operating budgets remain largely unchanged from those in the 2015 budget. However, the funding stream for sewer projects was increased again by \$2 million, in 2016, from the redeployment of a \$2 million contingency provision in the sewer surcharge fund. A contingent provision was prudently included in the 2015 budget to mitigate the risks of decreased revenues due to a continuation in the trend of lower water consumption, and to mitigate unforeseen expenditures (which can arise in any budget forecast). Based on the projected results for fiscal 2015, it has been determined that the contingent provision will not be required and can therefore be redeployed to increase sewer related capital funding in the 2016 budget without impacting the sewer surcharge rates.

#### Funding Allocated to Prior Year Commitments

As can be seen in the chart below, \$92.7 million of the \$513.7 million available funding in 2016 – 2020 has been committed to projects approved in prior years.

Funding Allocation	5-Year Capital Plan					
	2016 (\$ 000's)	2017 (\$ 000's)	2018 (\$ 000's)	2019 (\$ 000's)	2020 (\$ 000's)	TOTAL (\$ 000's)
<b>Funding Allocated to Prior Year Commitments</b>						
2013 Enhanced Plan	26,282	28,640	7,811	-	-	62,733
2014 Enhanced Plan	10,000	10,000	10,000	-	-	30,000
<b>Total Funds Allocated to Prior Year Commitments</b>	<b>36,282</b>	<b>38,640</b>	<b>17,811</b>	<b>-</b>	<b>-</b>	<b>92,733</b>

These commitments include:

1. By way of council resolution B26-2013 during the 2013 budget deliberations, Council approved an enhanced capital plan of approximately \$64.3 million. Of that amount, \$1 million was funded in 2013, \$500K in 2014 and \$100K in 2015. The remaining \$62.733 million to be funded in 2016 - 2018.

The chart that follows shows which major categories the projects to be funded from 2016 - 2018 were distributed to.

<b>2013 Enhanced Plan to be Funded in Future Years</b>	<b>(\$ 000's)</b>
Community & Economic Development	8,050
Corporate Property Infrastructure	18,000
Corporate Technology	5,900
Parks & Recreation	3,350
Roads	25,733
Transportation Infrastructure	1,700
<b>Total 2013 Enhanced Plan Funded in Future Years</b>	<b>62,733</b>

2. By way of council resolution B38-2013 during the 2014 budget deliberations, Council approved an enhanced capital plan of approximately \$58.5 million. Of that amount, \$18.5 million was funded in 2014, \$10 million was funded in 2015 and the remaining \$30 million is to be funded by Pay- As-You-Go funding contributions from the operating budget in 2016 - 2018. The chart below shows which major categories the projects to be funded from 2016 -2018 were distributed to.

<b>2014 Enhanced Plan to be Funded in Future Years</b>	<b>(\$ 000's)</b>
Community & Economic Development	2,900
Corporate Property Infrastructure	9,800
Parks & Recreation	2,732
Roads	5,490
Transportation Infrastructure	3,600
Contingency	5,478
<b>Total 2014 Enhanced Plan Funded in Future Years</b>	<b>30,000</b>

Completion of capital projects can take several years from the planning and engineering phase until they are completed. The early approval of the funding for such projects has allowed Administration to undertake the necessary planning and engineering studies for these projects, with assurance that funding to implement the project is available.

**Allocation of Available Funding**

The capital budget 5-year plan funding allocation of the \$420.95 million in available funding not previously committed can be seen in the table below. Of note, at this time \$10 million dollars in funding that will be available in 2020 has been left unallocated to allow for additional funding flexibility and in anticipation of major required capital funding for projects that are not yet quantified and funded in the current 5-year plan.

Funding Allocation	5-Year Capital Plan					
	2016 (\$ 000's)	2017 (\$ 000's)	2018 (\$ 000's)	2019 (\$ 000's)	2020 (\$ 000's)	TOTAL (\$ 000's)
<b>Allocation of Available Funding - by Major Category:</b>						
Community & Economic Development	2,815	273	535	8,505	8,398	<b>20,526</b>
Corporate Property Infrastructure	9,342	5,070	8,657	13,139	4,572	<b>40,780</b>
Corporate Technology	6,935	1,240	1,495	5,228	2,045	<b>16,943</b>
Allocation to Reserves	3,210	3,210	3,210	3,210	3,210	<b>16,050</b>
Parks & Recreation	4,069	3,149	6,094	9,225	4,308	<b>26,845</b>
Roads	16,831	15,747	27,458	22,544	27,847	<b>110,427</b>
Sewers	25,970	26,080	23,545	26,335	23,355	<b>125,285</b>
Transportation Infrastructure	6,801	8,840	10,658	13,001	14,795	<b>54,094</b>
Unallocated Contingency	-	-	-	-	10,000	<b>10,000</b>
<b>Total Allocation of Available Funding</b>	<b>75,972</b>	<b>63,609</b>	<b>81,653</b>	<b>101,187</b>	<b>98,530</b>	<b>420,950</b>

It should be noted that included in the totals above are projects that Council may have already pre-approved for priority projects including a number of road and sewer projects. Detailed listings of projects for each of the categories in the table above can be found starting on page 12 of the 2016 Recommended Capital Budget book.

### **Long Term Debt Considerations**

Consistent with the very successful Pay-As-You-Go approach which has saved tens of millions of dollars in interest costs, the 5-year plan is funded from available funds without the use of long term debt. Details of the City's long term debt, which show the continued decline in the liability, are being provided to Council as part of the 2016 Operating Budget document.

It is worth noting however, that long term debt currently stands at approximately \$98 million and is projected to decrease to \$71 million by 2019. This is down from a peak of \$229 million in 2002. Importantly, these dramatic decreases in long term debt have coincided with the largest capital programs in the City's history. Therefore, it is estimated that debt levels would currently stand at approximately \$500 million without the Pay-As-You-Go funding approach.

### **Public Consultation Process**

The 2016 Budget process provided the opportunity for public input sessions at the beginning of the process on July 27th, 2015. Additionally, public input can occur during budget deliberations. The Ward Meetings also provided residents with the opportunity to voice their preferences and priorities.

The 2016 Capital Budget documents will be publically available on November 30th, 2015 and will be available for viewing in every branch of the Windsor Public Library and at City Hall (Office of the City Clerk & Office of the Chief Financial Officer), and on the City's web site.

### **Authority to Award Tenders**

As per the recently revised Purchasing Bylaw, awards of tenders meeting certain specifications will be awarded directly by Administration (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
- the low tender is within budget for the project

For tenders meeting the noted above criteria, Administration will prepare a Delegation of Authority (DOA) report to award the tenders and then report the various awards to Council through the normal DOA semi-annual reporting process. .

## **4. 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 ones are the following:

- 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 that the actual costs of some of the projects will turn out to be greater than budgeted. This risk is likely to almost certain to occur and the consequences of such occurrences, based on past experience, would be expected to be moderate, classifying this as a significant risk.

Mitigation of this risk comes from four primary sources: the likelihood that some projects will come in under budget, thereby offsetting the overages; contingency funds that remain available within the 5-year plan from prior years approvals; the cost estimates having been made based on experienced and professional judgment; the ability to free up funds from future year projects that have been approved only in principle.

- The risk that the funding stream projections over the 5-year planning horizon will not materialize to the full extent projected. This risk is likely to materialize but the seriousness of the consequences are expected to be low as most funding streams are known and under the control of the City itself. Therefore this can be classified as a moderate risk and can be mitigated by some of the same mitigating measures noted under the first risk above.
- There is also a risk, common to all Ontario municipalities, that the funding sources available to the municipality, notwithstanding significant increases over the last 10 years, are not sufficient to tackle the infrastructure deficit. This risk is considered likely to almost certain to occur and with the seriousness of the consequences being high, making this a critical risk (albeit a risk that nearly all municipalities face).

Mitigation for this risk is a long term proposition and requires a multi-faceted approach. As noted, the City of Windsor has increased funding for capital projects over the years, including by a sustainable \$10 million annually as part of the 2014 budget approvals. Municipalities, through AMO and FCM, will need to continue to lobby the senior levels of government for broader and more sustainable infrastructure funding sources. The corporation prepared its first formal Asset Management Plan in 2013 and is currently



developing a formal process to define desired levels of services and the required funding levels to sustain those levels of service. These undertakings will help to better define the noted risks and allow the corporation to develop additional mitigating measures.

## **5. FINANCIAL MATTERS:**

Financial matters have been discussed throughout the report. The focus of the 5-year plan is on roads, sewers and related projects, with a total of \$326.3 million of funding (out of total available funds of \$513.7 million) being recommended for these types of projects.

As previously reported to Council, the funding for capital projects has doubled in the last decade or so. In order to maximize the effectiveness of this increased investment in its capital infrastructure, Council previously approved the ongoing Asset Planning Work Plan. The results of that work plan will provide the data and information needed to help Council define desired and quantifiable levels of service for each asset category. It will also help to define the level of risks that the Corporation is willing to accept for each asset class.

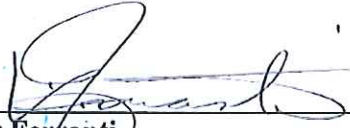
The current work being carried out as part of the Asset Management work plan will result in the ability to provide, sequentially over the next few years, 20-year funding requirements (aimed at meeting council's service goals) for the various asset categories based on desired service levels and acceptable levels of risk. Administration is currently planning to present options for a long term enhanced funding program for roads rehabilitation at the November 23rd, 2015 meeting of the Executive Committee of Council. Projections for other asset classes will follow in subsequent years as the available asset information for those assets is refined. The 5-year plan currently being presented to Council does not include the potentially increased funding from the noted long term enhanced roads funding models. Should Council approve the enhanced funding, that funding would be in addition to that noted in this report and would increase the amount dedicated to roads rehabilitation during the current 5-year plan and beyond.

## **6. CONSULTATIONS:**

All City Departments (including Windsor Public Library and Transit Windsor) were asked to update 2016 to 2019 capital budget needs and to submit capital budget requests. The city's capital budget also includes projects for the Windsor Police Service and the Windsor Airport (YQG) and those organizations were also asked to do likewise. Given the significant capital budget in the Office of the City Engineer (more than 80% of the available capital budget funding), the City Engineer undertook a significant role with the Finance department in attempting to achieve balance and to address to the extent possible, the needs across all areas of the corporation and relevant Agencies, Boards and Committees.

**7. CONCLUSION:**

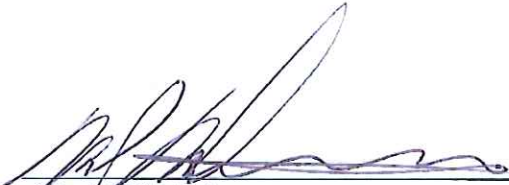
The 2016 Capital Budget 5-Year Capital Plan, totalling \$513.7 million, is being recommended to Council consistent with directions previously received. As always, Council has the ability to reprioritize the recommended expenditures subject to the total funding envelope and any funding source restrictions. Additionally, Council may choose to enhance the funding dedicated to the capital budget in order to undertake additional priority projects.



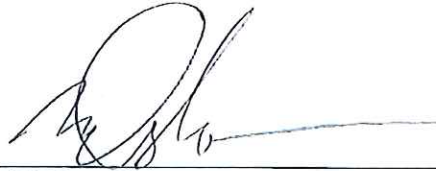
**Victor Ferranti**  
Manager of Capital Budget & Corporate Reserves



**Onorio Colucci**  
Chief Financial Officer/City Treasurer and Corporate Leader Finance and Technology



**Mark Winterton**  
City Engineer/Corporate Leader for Environmental Protection and Transportation



**Melissa Osborne**  
Senior Manager Asset Planning



**Helga Reidel**  
Chief Administrative Officer

vjf

<b>APPENDICES:</b>
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<b>DEPARTMENTS/OTHERS CONSULTED:</b>
Name:
Phone #: 519            ext.

<b>NOTIFICATION :</b>				
Name	Address	Email Address	Telephone	FAX

**NOTICE OF COUNCIL DECISION**

Windsor City Council adopted the following resolution at its meeting held December 21, 2015

B24-2015

THAT Council **RECEIVE** the 2016 Capital Budget 5-year Capital Plan documents; and

THAT Council **APPROVE** the recommended 2016 funding allocation for capital projects totalling \$112,254,000 (subject to any further changes approved by Council, including consideration of dedicated levy funding as presented by the asset management team); and

THAT Council **APPROVE IN PRINCIPLE** the recommended 2017 to 2020 capital expenditures and funding allocations totalling a further \$401,429,000 (subject to any further changes approved by Council) and including the Mayor's Enhanced 2016 Capital Budget attached as Appendix B.

Carried.

Report Number **18045 AFB/12131 2**

*Steve Vlachodimos*

Deputy City Clerk/Senior Manager of Council Services

February 5, 2016

/jr

**NOTICE OF COUNCIL DECISION**

Windsor City Council adopted the following resolution at its meeting held December 21, 2015

Moved by Councillor Francis, seconded by Councillor Borrelli,  
B68-2015 That the “Proposed 2016 Enhanced Capital Budget” as presented by Mayor Dilkens and attached as “Appendix B” **BE APPROVED** as presented, in the form of placeholder allocations in the budget, with reports to **BE PREPARED** for Council’s consideration.

Councillors Kusmierczyk, Holt, Marra and Bortolin voting nay.

(For final disposition of this matter see also Clause **B24-2015** in Schedule A attached hereto.)

AFB/12131 2

*Steve Vlachodimos*

Deputy City Clerk/Senior Manager of Council Services

February 5, 2016

/jr

Proposed 2016 Enhanced Capital Budget

B24-2015

Arts Endowment	\$ 2,000,000
Devon Drive Reconstruction - South Service Rd. to Sydney	\$ 1,500,000
Family change room addition at Gino Marcus	\$ 1,100,000
North Service Road Reconstruction	\$ 2,100,000
North Talbot EA Engineering and SW Lakes Entrance Reconstruction	\$ 600,000
Environmentally Significant Lands Acquisition	\$ 1,500,000
Splash Pad - Realtor Park	\$ 500,000
Wyandotte Mill and Pave - Watson to Riverdale	\$ 300,000
Ward Funds (use 2016 Contribution for FIN-009-15) and repay in 2020	\$ 400,000
	<u>\$ 10,000,000</u>

DISTRIBUTED AT COUNCIL MEETING OF

Mon. Dec 21/2015  
RE: ITEM #2 (City Manager's Office)

# **2016 Approved Capital Budget**



## **Section B:**

### **Summary of 5 – Year Capital Budget**

**Summary of Capital Budget Funding Sources and Expenditures (\$ 000's)**

*for Budget Year 2016 (5-Year Capital Plan)*

Year		Internal Pay As You Go			Corporate Reserves/Projects			External Sources		Total	Previous Commitments Requiring Funding	
		Pay As You Go Operating Budget	Pay As You Go Sewer Surcharge	Pay As You Go Debt Reduction	Capital Expenditure Reserve	Development Charges Reserves	Other Reserves	Federal Fuel Tax Funding	Third-Party Recoveries			
2016	Funding Available	20,140	23,600	32,100	3,047	3,676	15,810	12,824	1,260	112,456	Beginning Balance	54,237
	Less: Funding allocated to Prior Year Commitments	11,625	1,625	22,532	-	-	-	500	-	36,282	Funding Allocated	(36,282)
	Less: Funding allocated to Approved Expenditures	8,515	21,975	9,568	3,047	3,676	15,810	12,324	1,260	76,174		
	Funding Surplus/(Deficit)	-	-	-	-	-	-	-	-	-	End Balance	17,955
2017	Funding Available	19,455	21,600	32,100	3,000	6,683	12,305	12,824	-	107,966	Beginning Balance	17,955
	Less: Funding allocated to Prior Year Commitments	10,500	-	28,140	-	-	-	-	-	38,640	Funding Allocated	(38,640)
	Less: Funding allocated to Approved Expenditures	8,955	21,600	3,960	3,000	6,683	12,305	12,824	-	69,326		
	Funding Surplus/(Deficit)	-	-	-	-	-	-	-	-	-	End Balance	(20,685)
2018	Funding Available	19,455	21,600	32,100	3,000	2,378	6,378	13,434	2,702	101,046	Beginning Balance	(20,685)
	Less: Funding allocated to Prior Year Commitments	10,000	-	7,811	-	-	-	-	-	17,811	Funding Allocated	(17,811)
	Less: Funding allocated to Approved Expenditures	9,455	21,600	24,289	3,000	2,378	6,378	13,434	2,702	83,235		
	Funding Surplus/(Deficit)	-	-	-	-	-	-	-	-	-	End Balance	-
2019	Funding Available	19,455	21,600	32,100	3,000	645	10,045	13,434	1,048	101,328	Beginning Balance	-
	Less: Funding allocated to Prior Year Commitments	-	-	-	-	-	-	-	-	-	Funding Allocated	-
	Less: Funding allocated to Approved Expenditures	19,455	21,600	32,100	3,000	645	10,045	13,434	1,048	101,328		
	Funding Surplus/(Deficit)	-	-	-	-	-	-	-	-	-	End Balance	-
2020	Funding Available	19,455	21,600	32,100	3,000	480	8,099	13,434	363	98,530	Beginning Balance	-
	Less: Funding allocated to Prior Year Commitments	-	-	-	-	-	-	-	-	-	Funding Allocated	-
	Less: Funding allocated to Approved Expenditures	19,455	21,600	32,100	3,000	480	8,099	13,434	363	98,530		
	Funding Surplus/(Deficit)	-	-	-	-	-	-	-	-	-	End Balance	-

**City of Windsor**  
**Summary of Capital Budget Funding and Expenditures (000's)**  
*for Budget Year 2016 (5-Year Capital Plan)*

Funding Allocation	TOTAL 2016 - 2020											
	2016 (\$ 000's)	% of Budget	2017 (\$ 000's)	% of Budget	2018 (\$ 000's)	% of Budget	2019 (\$ 000's)	% of Budget	2020 (\$ 000's)	% of Budget	TOTAL 2016 - 2020 (\$ 000's)	% of Budget
<b>Allocation of Available Funding - by Major Category:</b>												
Community & Economic Development	2,815	4%	273	0%	535	1%	8,505	8%	12,298	12%	24,426	6%
Corporate Property Infrastructure	9,342	12%	5,070	7%	8,657	10%	13,139	13%	4,572	5%	40,780	10%
Corporate Technology	4,350	6%	1,240	2%	1,495	2%	5,228	5%	2,045	2%	14,358	3%
Allocation to Reserves	3,210	4%	3,210	5%	3,210	4%	3,210	3%	3,210	3%	16,050	4%
Parks & Recreation	4,069	5%	3,149	5%	6,094	7%	9,225	9%	5,908	6%	28,445	7%
Roads	19,618	26%	21,465	31%	29,041	35%	22,684	22%	34,466	35%	127,275	30%
Sewers	25,970	34%	26,080	38%	23,545	28%	26,335	26%	21,235	22%	123,165	29%
Transportation Infrastructure	6,801	9%	8,840	13%	10,658	13%	13,001	13%	14,795	15%	54,094	13%
<b>Total Allocation of Available Funding</b>	<b>76,175</b>	<b>100%</b>	<b>69,327</b>	<b>100%</b>	<b>83,235</b>	<b>100%</b>	<b>101,327</b>	<b>100%</b>	<b>98,530</b>	<b>100%</b>	<b>428,593</b>	<b>100%</b>

Funding Allocated to Prior Year Commitments	2016 (\$ 000's)	2017 (\$ 000's)	2018 (\$ 000's)	2019 (\$ 000's)	2020 (\$ 000's)	TOTAL 2016 - 2020 (\$ 000's)	
2013 Enhanced Plan	26,282	28,640	7,811	-	-	62,733	see Table 1
2014 Enhanced Plan	10,000	10,000	10,000	-	-	30,000	see Table 2
<b>Total Funds Allocated to Prior Year Commitments</b>	<b>36,282</b>	<b>38,640</b>	<b>17,811</b>	<b>-</b>	<b>-</b>	<b>92,733</b>	
<b>Total Annual Funding Allocated</b>	<b>112,457</b>	<b>107,967</b>	<b>101,046</b>	<b>101,327</b>	<b>98,530</b>	<b>521,326</b>	

2013 Enhanced Plan to be Funded in Future Years (see Note 1):	Table 1
Community & Economic Development	8,050
Corporate Property Infrastructure	18,000
Corporate Technology	5,900
Parks & Recreation	3,350
Roads	25,733
Transportation Infrastructure	1,700
<b>Total 2013 Enhanced Plan Funded in Future Years</b>	<b>62,733</b>

2014 Enhanced Plan to be Funded in Future Years (see Note 1):	Table 2
Community & Economic Development	2,900
Corporate Property Infrastructure	9,800
Parks & Recreation	2,732
Roads	5,490
Transportation Infrastructure	3,600
Contingency	5,478
<b>Total 2014 Enhanced Plan Funded in Future Years</b>	<b>30,000</b>

**Note 1:**

The nature of most capital projects is such that funding approved in a given year may or may not result in the project being started or completed within the year of approval. This is due to such factors as the need for upfront design and engineering, as well as coordination of the work with other entities (e.g. watermain replacement, consideration of traffic impacts, etc.).

It should be noted that while \$92,733 from the 2013 (\$62,733) and 2014 (\$30,000) enhanced plan projects will be fully funded in future years, most of the spending will occur beyond 2015. Many of the projects identified in these plans are projects which will incur expenses over several years. The early approval of the funding for such projects allows Administration to execute the necessary planning for these projects, with assurance that funding to implement the project is available.



## **2016 Approved Capital Budget**



### **Section C:**

## **5 – Year Capital Project Listing by Major Category**

**City Of Windsor**  
**Capital Project Listing By Major Category (Gross)**  
for Budget Year 2016 (5-Year Plan)

Project #	Pg #	Project Name	Major Category	2016	2017	2018	2019	2020	Total
CAO-001-16	132	University of Windsor Contribution	Community & Economic Development	-	-	-	7,500,000	7,500,000	15,000,000
CAO-002-16	133	AMO Conference Host Municipality	Community & Economic Development	50,000	-	-	-	-	50,000
ECP-009-08	233	Site Environment Assessments/Corporate Demolitions - various properties	Community & Economic Development	-	-	-	-	200,000	200,000
ENG-009-15	278	Twin Oaks Railway Spur Line to C.S.Wind Facility	Community & Economic Development	2,275,000	-	-	-	-	2,275,000
FIN-001-14	145	Development Charges Study and Bylaw Update	Community & Economic Development	-	-	-	40,000	40,000	80,000
FIN-006-16	147	(Legislated) Liability for Contaminated Sites	Community & Economic Development	200,000	-	-	-	-	200,000
FIN-007-16	149	Ward Funds Placeholder	Community & Economic Development	-	-	-	-	400,000	400,000
MAY-001-16	100	Arts Endowment Placeholder	Community & Economic Development	-	-	-	-	2,000,000	2,000,000
MAY-002-16	101	Environmentally Significant Lands Acquisition Placeholder	Community & Economic Development	-	-	-	-	1,500,000	1,500,000
PBG-002-14	425	Ontario's Investment Ready Certified Sites Program	Community & Economic Development	-	-	-	-	-	-
PLN-005-07	414	E-Plan & E-Permit Review and Implementation	Community & Economic Development	-	88,000	210,000	10,000	-	308,000
PLN-007-07	415	Growth Management Plan	Community & Economic Development	-	-	-	100,000	-	100,000
PLN-008-07	416	"Green Windsor" Land Acquisition and Funding Strategy	Community & Economic Development	-	-	-	80,000	-	80,000
PLN-010-07	417	Heritage Preservation Study/Incentives	Community & Economic Development	-	-	-	-	-	-
PLN-012-07	418	City Centre Community Development Planning	Community & Economic Development	-	-	-	-	-	-
PLN-017-07	420	BIA Assistance Program	Community & Economic Development	-	-	150,000	-	150,000	300,000
PLN-018-07	421	Urban Design and Neighbourhood Studies	Community & Economic Development	-	-	-	100,000	100,000	200,000
PLN-021-07	422	City Hall Square and Civic Esplanade	Community & Economic Development	150,000	-	-	500,000	258,000	908,000
REC-003-16	129	Windsor & Canada Birthday Celebrations	Community & Economic Development	40,000	85,000	-	-	-	125,000
WPL-001-14	185	Mobile Unit/Materials Acquisition - DC Charge Request	Community & Economic Development	100,000	100,000	175,000	175,000	150,000	700,000
<b>Community &amp; Economic Development Tr</b>				<b>2,815,000</b>	<b>273,000</b>	<b>535,000</b>	<b>8,505,000</b>	<b>12,298,000</b>	<b>24,426,000</b>

**City Of Windsor**  
**Capital Project Listing By Major Category (Gross)**  
for Budget Year 2016 (5-Year Plan)

Project #	Pg #	Project Name	Major Category	2016	2017	2018	2019	2020	Total
ECP-001-13	275	New Fire Hall Station #6 & Emergency Operations Centre (EOC)	Corporate Property Infrastructure	636,516	636,516	1,247,160	2,448,064	-	4,968,256
ECP-001-16	289	New City Hall Additional Funding Placeholder	Corporate Property Infrastructure	-	-	-	2,500,000	-	2,500,000
ENG-002-14	281	Festival Plaza Retaining Wall	Corporate Property Infrastructure	-	-	-	1,350,000	-	1,350,000
ENG-004-16	292	Key Control	Corporate Property Infrastructure	100,000	150,000	150,000	150,000	50,000	600,000
ENG-005-16	412	2437 Howard Avenue Improvements Placeholder	Corporate Property Infrastructure	250,000	250,000	-	-	-	500,000
ENG-008-16	298	400 CHS Building Reconfiguration	Corporate Property Infrastructure	-	-	-	38,000	275,000	313,000
ENG-010-15	268	Art Gallery Acquisition	Corporate Property Infrastructure	3,333,000	-	-	-	-	3,333,000
FIN-001-15	136	Main Energy Consumers Sub-Metering	Corporate Property Infrastructure	-	-	-	-	-	-
FIN-002-15	138	Corporate Wide Facilities LED Lighting Conversion	Corporate Property Infrastructure	-	-	-	1,200,000	-	1,200,000
FIN-003-14	135	Engineering Study for Arenas	Corporate Property Infrastructure	-	-	-	200,000	-	200,000
FIN-003-15	139	Corporate Wide Facilities Lighting Sensors and Timers	Corporate Property Infrastructure	-	-	55,000	-	5,000	60,000
FIN-004-15	140	400 City Hall Energy Efficiency Upgrade	Corporate Property Infrastructure	-	-	-	-	-	-
FIN-006-15	142	Transit Windsor Installation of NOx and CO Sensors	Corporate Property Infrastructure	-	-	60,000	-	2,000	62,000
FIN-007-15	143	Huron Lodge Recommissioning/LED Lighting/Sub-metering	Corporate Property Infrastructure	-	-	-	-	-	-
FRS-002-16	406	Portable Hoists	Corporate Property Infrastructure	-	-	-	-	-	-
FRS-003-13	401	New Fire Headquarters & Station #1	Corporate Property Infrastructure	-	-	-	-	-	-
FRS-003-16	408	Fire Prevention & Emergency Management Public Education Displays & Equipment	Corporate Property Infrastructure	20,000	-	-	-	20,000	40,000
FRS-004-07	400	Breathing Apparatus Cylinders/Packs	Corporate Property Infrastructure	200,000	-	300,000	-	-	500,000
HCP-001-07	215	Accessibility - ODA Requirements	Corporate Property Infrastructure	-	-	-	-	100,000	100,000
HCP-001-10	258	Corporate Facility Backflow Prevention Program	Corporate Property Infrastructure	-	100,000	-	-	200,000	300,000
HCP-002-07	216	Roof Replacement	Corporate Property Infrastructure	456,000	1,300,400	471,100	428,900	1,330,500	3,986,900
HCP-002-09	253	Fire Hall Capital Maintenance	Corporate Property Infrastructure	59,500	150,000	150,000	150,000	150,000	659,500
HCP-005-08	246	Corporate Facilities Paving Program	Corporate Property Infrastructure	100,000	100,000	100,000	100,000	100,000	500,000
HCP-010-07	269	Willistead Complex Capital Improvements	Corporate Property Infrastructure	750,000	750,000	-	-	-	1,500,000
HCP-011-07	116	Willistead Restoration Improvements Upgrade	Corporate Property Infrastructure	-	-	-	-	100,000	100,000
HCS-001-07	103	Social Housing Reserve Fund	Corporate Property Infrastructure	-	-	-	2,000,000	-	2,000,000
HCS-001-14	105	Windsor Essex Community Housing Corporation (DRL) Placeholder	Corporate Property Infrastructure	-	-	2,234,000	-	-	2,234,000
HLD-001-12	108	Huron Lodge Nursing Requirements	Corporate Property Infrastructure	-	-	-	150,000	150,000	300,000
HLD-001-13	110	Resident & Home Area Beds/Mattresses and Furniture	Corporate Property Infrastructure	-	-	-	250,000	100,000	350,000
HLD-001-15	111	Ceiling Lift Replacement Program	Corporate Property Infrastructure	-	-	-	115,000	200,000	315,000
HLD-002-12	109	Cooking and Food Preparation Equipment	Corporate Property Infrastructure	-	-	40,000	40,000	-	80,000
HLD-003-15	113	Replacement of Dish Machines and Other Industrial Equipment	Corporate Property Infrastructure	-	-	80,000	95,000	-	175,000
HLD-004-15	114	Replacement of Refrigeration and Freezer Equipment	Corporate Property Infrastructure	-	-	80,000	-	-	80,000
HRS-002-08	175	Health and Safety Reserve	Corporate Property Infrastructure	10,000	10,000	10,000	10,000	10,000	50,000
HRS-002-09	177	AODA Implementation	Corporate Property Infrastructure	-	51,500	-	-	74,500	126,000
OPS-007-07	219	Operations' Facilities Improvements	Corporate Property Infrastructure	50,000	75,000	25,000	25,000	25,000	200,000
OPS-011-07	221	Traffic Operations Facilities Upgrades	Corporate Property Infrastructure	35,000	-	-	-	-	35,000
PFO-001-12	271	Corporate Security Infrastructure Program	Corporate Property Infrastructure	100,000	50,000	50,000	50,000	50,000	300,000
PFO-001-15	283	Huron Lodge - Equipment Replacement	Corporate Property Infrastructure	18,000	-	-	60,000	175,000	253,000
PFO-002-12	273	Corporate Facility Maintenance Program	Corporate Property Infrastructure	-	-	50,000	100,000	50,000	200,000
PFO-002-14	284	Huron Lodge Facility Improvements	Corporate Property Infrastructure	250,000	250,000	-	-	-	500,000
PFO-003-11	263	Designated Substance Remediation	Corporate Property Infrastructure	-	100,000	100,000	100,000	-	300,000
PFO-003-13	279	Art Gallery Capital Costs - 401 Riverside West	Corporate Property Infrastructure	-	-	1,780,000	125,000	125,000	2,030,000
PFO-003-14	285	Corporate Boiler Replacement Program	Corporate Property Infrastructure	-	-	55,000	89,500	-	144,500
PFO-004-12	274	Municipal Facilities Building Condition Assessments	Corporate Property Infrastructure	-	-	-	50,000	50,000	100,000
PFO-004-14	286	Facility Operations Business Process Improvements	Corporate Property Infrastructure	-	-	-	-	50,000	50,000
PFO-009-11	264	Corporate Heating & Cooling Replacement/Repair Program	Corporate Property Infrastructure	205,000	190,000	450,000	500,000	500,000	1,845,000
PFO-010-11	266	Flooring and Finishes Replacement Program	Corporate Property Infrastructure	100,000	100,000	100,000	260,000	100,000	660,000
PFO-014-07	222	Health & Safety	Corporate Property Infrastructure	-	150,000	150,000	100,000	100,000	500,000
POL-001-11	62	Collision Reporting & Operational Support Centre	Corporate Property Infrastructure	-	-	200,000	-	-	200,000
POL-001-15	75	WPS Containment Team	Corporate Property Infrastructure	75,000	-	-	-	-	75,000
POL-002-14	67	WPS Training Classroom Table Replacement	Corporate Property Infrastructure	-	65,000	-	-	-	65,000
POL-003-14	68	WPS Firearm Pistol Replacement	Corporate Property Infrastructure	-	-	-	-	100,000	100,000
POL-003-15	77	WPS Carbines	Corporate Property Infrastructure	200,000	-	-	-	-	200,000
POL-004-16	83	WPS Officer Personal Equipment	Corporate Property Infrastructure	50,000	-	50,000	50,000	50,000	200,000
POL-005-14	69	WPS E911 Centre Workstation Replacements	Corporate Property Infrastructure	-	-	-	-	50,000	50,000
POL-005-16	84	WPS Investigations Master Plan & Renovations	Corporate Property Infrastructure	60,000	140,000	-	-	-	200,000
POL-006-16	85	WPS Marine Dock Safety & Asset Protection	Corporate Property Infrastructure	75,000	-	-	-	-	75,000
POL-007-14	71	WPS Body Armour Replacement	Corporate Property Infrastructure	75,000	125,000	220,000	155,000	-	575,000

**City Of Windsor**  
**Capital Project Listing By Major Category (Gross)**  
for Budget Year 2016 (5-Year Plan)

<b>Project #</b>	<b>Pg #</b>	<b>Project Name</b>	<b>Major Category</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
POL-009-14	72	WPS Workspace Ergonomic & Efficiency Reconfigurations	Corporate Property Infrastructure	200,000	-	-	-	-	200,000
POL-010-14	73	WPS Body/In-Car Cameras	Corporate Property Infrastructure	-	-	-	-	-	-
POL-012-16	94	WPS Hybrid Tactical Range	Corporate Property Infrastructure	-	-	-	-	-	-
POL-013-14	74	WPS Tasers	Corporate Property Infrastructure	125,000	-	200,000	-	-	325,000
POL-013-16	96	WPS Outdoor Range Refurbishment	Corporate Property Infrastructure	-	-	-	-	-	-
REC-005-07	224	Municipal Arena Refurbishments	Corporate Property Infrastructure	250,000	280,000	250,000	250,000	280,000	1,310,000
REC-006-07	227	Mackenzie Hall	Corporate Property Infrastructure	1,490,000	-	-	-	-	1,490,000
WPL-009-11	184	Library Branch Refurbishments	Corporate Property Infrastructure	68,900	46,200	-	-	-	115,100
<b>Corporate Property Infrastructure Total</b>				<b>9,341,916</b>	<b>5,069,616</b>	<b>8,657,260</b>	<b>13,139,464</b>	<b>4,572,000</b>	<b>40,780,256</b>

**City Of Windsor**  
**Capital Project Listing By Major Category (Gross)**  
for Budget Year 2016 (5-Year Plan)

Project #	Pg #	Project Name	Major Category	2016	2017	2018	2019	2020	Total
CCS-001-11	174	311/211 Call Centre Phone Upgrade	Corporate Technology	-	-	-	200,000	-	200,000
CNS-001-07	173	Records Management	Corporate Technology	50,000	50,000	-	-	-	100,000
FIN-005-16	146	Tax Payment Automation - Cheque Scanner	Corporate Technology	50,000	-	-	-	-	50,000
FRS-001-15	403	GPS Traffic Pre-emption	Corporate Technology	-	-	-	-	-	-
FRS-001-16	405	Corporate Radio Battery Refreshment	Corporate Technology	15,000	15,000	15,000	15,000	15,000	75,000
FRS-002-07	399	Crisys System	Corporate Technology	50,000	-	-	50,000	-	100,000
FRS-004-16	410	Fire Apparatus Computers	Corporate Technology	-	150,000	-	-	-	150,000
HLD-001-11	107	Wireless Technology	Corporate Technology	-	-	-	78,000	-	78,000
HLD-002-15	112	Resident Monitoring & Nurse Bedside Call System	Corporate Technology	-	-	100,000	25,000	-	125,000
HLD-006-15	115	Hardware and Software for Dietary	Corporate Technology	-	-	-	65,000	-	65,000
HRS-002-11	181	Online Learning Programs	Corporate Technology	20,000	-	-	-	-	20,000
ITC-001-08	163	Business Continuity	Corporate Technology	-	-	-	-	100,000	100,000
ITC-001-09	165	Video Communication	Corporate Technology	-	-	-	-	200,000	200,000
ITC-001-10	166	Smart Community Initiative	Corporate Technology	-	-	-	200,000	200,000	400,000
ITC-001-12	167	WFRS Computer Aided Dispatch System & Related Technologies	Corporate Technology	-	-	-	-	-	-
ITC-001-13	168	Mobility Integration Placeholder	Corporate Technology	-	-	-	500,000	-	500,000
ITC-002-07	150	Reliable Electronic Storage	Corporate Technology	-	100,000	100,000	150,000	150,000	500,000
ITC-002-16	169	Corporate Radio Infrastructure	Corporate Technology	3,415,235	-	-	-	-	3,415,235
ITC-003-07	152	Network Infrastructure	Corporate Technology	-	100,000	200,000	200,000	230,000	730,000
ITC-005-07	154	Security	Corporate Technology	60,000	100,000	100,000	100,000	100,000	460,000
ITC-006-07	156	Disaster Recovery	Corporate Technology	-	100,000	150,000	150,000	100,000	500,000
ITC-007-07	157	Intranet Redesign & Internet Improvements and Accessibility	Corporate Technology	-	-	-	850,000	-	850,000
ITC-008-07	158	ERP Sustainability	Corporate Technology	25,000	-	-	475,000	250,000	750,000
ITC-011-07	160	AMANDA Projects	Corporate Technology	25,000	-	200,000	350,000	200,000	775,000
ITC-012-07	162	Replace/Upgrade Corporate Telephone Systems	Corporate Technology	200,000	200,000	200,000	150,000	200,000	950,000
OPS-005-16	393	FleetFocus Web Modules	Corporate Technology	60,000	-	-	-	-	60,000
POL-001-16	80	WPS E911 Voicelogger	Corporate Technology	-	-	-	-	150,000	150,000
POL-002-15	76	WPS Next Generation 911	Corporate Technology	-	-	150,000	50,000	50,000	250,000
POL-002-16	81	WPS Backup E911 Centre Upgrades	Corporate Technology	-	-	-	-	100,000	100,000
POL-003-16	82	WPS Microsoft Software Upgrades	Corporate Technology	100,000	75,000	-	-	-	175,000
POL-004-15	78	WPS Covert Technology Enhancements	Corporate Technology	-	100,000	100,000	-	-	200,000
POL-005-15	79	WPS Use of Force Simulator	Corporate Technology	80,000	-	-	-	-	80,000
POL-006-13	64	Police Communications Closets-Network Infrastructure Refresh	Corporate Technology	-	-	-	150,000	-	150,000
POL-006-14	70	WPS Bell 911 Voice Upgrade	Corporate Technology	-	200,000	-	-	-	200,000
POL-007-13	65	Police Business Intelligence	Corporate Technology	-	-	-	-	-	-
POL-007-16	86	WPS Crime Scene Scanner Technology	Corporate Technology	-	-	180,000	-	-	180,000
POL-008-16	88	WPS Covert Surveillance Equipment	Corporate Technology	-	-	-	100,000	-	100,000
POL-009-16	90	WPS Internet Child Exploitation Program	Corporate Technology	-	-	-	100,000	-	100,000
POL-010-16	91	WPS CIU Mobile Technology	Corporate Technology	-	-	-	70,000	-	70,000
POL-011-16	93	WPS Mobile Occurrence & Scene Documentation Application	Corporate Technology	-	-	-	150,000	-	150,000
POL-014-16	98	WPS Secure HQ Wireless Network	Corporate Technology	-	50,000	-	-	-	50,000
REC-001-15	126	Recreation Software CLASS System Project	Corporate Technology	200,000	-	-	-	-	200,000
WPL-004-11	183	Materials Automation Systems Upgrade	Corporate Technology	-	-	-	1,050,000	-	1,050,000
<b>Corporate Technology Total</b>				<b>4,350,235</b>	<b>1,240,000</b>	<b>1,495,000</b>	<b>5,228,000</b>	<b>2,045,000</b>	<b>14,358,235</b>
FIN-009-15	144	Capital Reserve Allocation	Allocation to Reserves	3,210,000	3,210,000	3,210,000	3,210,000	3,210,000	16,050,000
<b>Allocation to Reserves Total</b>				<b>3,210,000</b>	<b>3,210,000</b>	<b>3,210,000</b>	<b>3,210,000</b>	<b>3,210,000</b>	<b>16,050,000</b>

**City Of Windsor**  
**Capital Project Listing By Major Category (Gross)**  
for Budget Year 2016 (5-Year Plan)

Project #	Pg #	Project Name	Major Category	2016	2017	2018	2019	2020	Total
ENG-006-16	294	Peace Fountain Capital Repairs	Parks & Recreation	100,000	100,000	-	-	-	200,000
LGL-001-16	413	CP Railway Cut - Shergar Claim	Parks & Recreation	400,000	-	-	-	-	400,000
OPS-001-15	385	Replacement of Parks Equipment	Parks & Recreation	702,000	544,000	584,000	200,000	748,000	2,778,000
PFO-001-14	317	Central Riverfront	Parks & Recreation	-	-	-	3,000,000	500,000	3,500,000
PFO-001-16	320	Greenhouse Complex	Parks & Recreation	-	-	-	-	-	-
PFO-002-15	318	Accessible Playgrounds Citywide	Parks & Recreation	-	-	2,000,000	-	-	2,000,000
PFO-002-16	322	Splash Pad - Realtor Park Placeholder	Parks & Recreation	-	-	-	-	500,000	500,000
PFO-003-15	319	Central Riverfront Implementation Plan (C.R.I.P.) Placeholder	Parks & Recreation	-	-	2,300,000	-	-	2,300,000
PFO-004-10	302	Tree Replacements – Jefferson Ave. Berm	Parks & Recreation	130,000	-	-	-	-	130,000
PFO-005-12	305	Regional Parks	Parks & Recreation	220,000	500,000	500,000	500,000	-	1,720,000
PFO-006-12	306	Community Parks	Parks & Recreation	577,000	250,000	-	500,000	500,000	1,827,000
PFO-007-11	303	Tree Maintenance Backlog	Parks & Recreation	210,000	250,000	710,000	500,000	500,000	2,170,000
PFO-007-12	307	Neighbourhood Parks	Parks & Recreation	250,000	250,000	-	500,000	500,000	1,500,000
PFO-008-12	308	New Parks	Parks & Recreation	-	300,000	-	-	-	300,000
PFO-009-12	309	Structures	Parks & Recreation	50,000	50,000	-	100,000	100,000	300,000
PFO-010-07	300	City Ash Tree Removals	Parks & Recreation	150,000	-	-	-	-	150,000
PFO-011-12	310	City Beautification & Gateways-Maintenance & Refurbishments	Parks & Recreation	215,000	-	-	-	500,000	715,000
PFO-012-12	311	Trails	Parks & Recreation	200,000	200,000	-	200,000	200,000	800,000
PFO-013-12	312	Parking Lots	Parks & Recreation	-	-	-	1,000,000	500,000	1,500,000
PFO-014-12	313	Partnerships	Parks & Recreation	25,000	25,000	-	25,000	25,000	100,000
PFO-015-12	314	Parks Master Plan	Parks & Recreation	-	-	-	-	-	-
PFO-016-12	315	Parkland Acquisitions	Parks & Recreation	-	-	-	-	-	-
PFO-017-12	316	Equipment Removal	Parks & Recreation	150,000	100,000	-	100,000	-	350,000
REC-001-16	127	Forest Glade New Gym Addition	Parks & Recreation	-	-	-	-	-	-
REC-002-07	117	Lakeview Park Marina Upgrades	Parks & Recreation	-	-	-	-	55,000	55,000
REC-002-14	122	Relocation of Sandpoint Beach	Parks & Recreation	-	-	-	-	-	-
REC-002-16	128	Lakeview Park Marina Fuel Tanks	Parks & Recreation	300,000	-	-	-	-	300,000
REC-003-07	118	Refurbishment of Municipal Pools	Parks & Recreation	-	100,000	-	100,000	100,000	300,000
REC-003-14	124	East Windsor Community Pool	Parks & Recreation	-	-	-	2,250,000	-	2,250,000
REC-004-07	120	Recreation Facility Refurbishments	Parks & Recreation	50,000	50,000	-	50,000	50,000	200,000
REC-004-08	247	The WFCU Centre	Parks & Recreation	340,000	430,000	-	200,000	30,000	1,000,000
REC-005-16	130	Family Change Room @ Gino Marcus Placeholder	Parks & Recreation	-	-	-	-	1,100,000	1,100,000
<b>Parks &amp; Recreation Total</b>				<b>4,069,000</b>	<b>3,149,000</b>	<b>6,094,000</b>	<b>9,225,000</b>	<b>5,908,000</b>	<b>28,445,000</b>

**City Of Windsor**  
**Capital Project Listing By Major Category (Gross)**  
for Budget Year 2016 (5-Year Plan)

Project #	Pg #	Project Name	Major Category	2016	2017	2018	2019	2020	Total
ECP-002-08	229	Provincial/Division Corridor Improvements	Roads	3,069,000	2,000,000	-	2,000,000	1,850,000	8,919,000
ECP-002-10	255	Banwell Road Improvements	Roads	-	-	-	-	1,000,000	1,000,000
ECP-003-07	188	Grand Marais Road Improvements	Roads	-	-	-	-	-	-
ECP-003-08	230	Howard Avenue South Corridor Improvements	Roads	-	-	-	-	350,000	350,000
ECP-003-09	249	Cabana Road Improvements	Roads	3,612,000	6,468,000	4,060,000	3,830,325	6,319,674	24,289,999
ECP-004-07	189	Walker Road Improvements	Roads	-	-	-	-	-	-
ECP-005-07	191	Tecumseh Road East Improvements	Roads	-	-	-	-	-	-
ECP-005-10	256	Local Improvement Program - Road Rehabilitation	Roads	200,000	-	-	300,000	200,000	700,000
ECP-006-07	192	Howard Avenue Improvements	Roads	-	-	-	225,000	12,500	237,500
ECP-007-07	193	Local Improvement Program	Roads	-	260,000	540,000	1,000,000	1,744,800	3,544,800
ECP-008-07	195	Pedestrian Safety Improvements	Roads	-	-	-	100,000	-	100,000
ECP-009-07	196	Citywide Intersection/Roadway Improvements	Roads	-	-	-	470,000	500,000	970,000
ECP-010-07	197	East Riverside Planning District	Roads	-	-	-	-	-	-
ECP-012-07	198	South Cameron/South Windsor Planning Districts	Roads	-	-	1,400,000	-	410,000	1,810,000
ECP-013-09	252	La Bella Strada	Roads	-	-	-	-	-	-
ECP-014-07	199	Streetscape Improvements	Roads	-	-	-	-	350,000	350,000
ECP-015-07	200	McDougall Avenue North-South Collector	Roads	-	-	-	-	-	-
ECP-016-07	201	The Riverside Drive Vista Improvement	Roads	-	-	-	300,000	4,160,000	4,460,000
EDG-001-11	259	Lauzon Parkway - County Rd. 42 - East/West Arterial	Roads	-	-	-	-	-	-
EIT-001-11	261	Local Improvement - Street Lighting	Roads	100,000	-	-	100,000	-	200,000
ENG-001-16	290	Sixth Concession/North Talbot	Roads	-	-	-	-	-	-
ENG-002-12	267	Local Improvement Program - Sidewalks	Roads	-	-	-	50,000	-	50,000
ENG-004-14	282	New Sidewalks on Collectors and Arterials	Roads	-	-	-	200,000	200,000	400,000
ENG-009-16	299	North Talbot EA/Engineering and Southwood Lakes Entr. Reconstr'n Placeholder	Roads	-	-	-	-	600,000	600,000
OPS-001-07	327	Citywide Road Rehabilitation	Roads	7,287,000	7,787,000	8,887,000	9,634,090	8,897,000	42,492,090
OPS-001-11	378	Minor Alley Maintenance	Roads	100,000	100,000	-	100,000	100,000	400,000
OPS-002-11	379	Minor Road Rehabilitation	Roads	250,000	250,000	-	400,000	250,000	1,150,000
OPS-002-14	383	Enhanced Capital Road Rehabilitation Placeholder	Roads	-	-	5,489,000	-	-	5,489,000
OPS-003-07	334	Bridge Rehabilitation	Roads	4,000,000	4,000,000	2,500,000	3,200,000	3,000,000	16,700,000
OPS-003-14	384	University Avenue Complete St. - Huron Church Rd. to McDougall Ave. Placeholder	Roads	-	-	5,000,000	-	-	5,000,000
OPS-004-07	336	Sidewalk Rehabilitation	Roads	500,000	500,000	-	500,000	500,000	2,000,000
OPS-004-16	392	Rail Crossing Safety Assessments	Roads	300,000	-	-	-	-	300,000
OPS-005-07	345	Railway Lands Fencing	Roads	-	-	100,000	50,000	-	150,000
OPS-006-07	346	At-Grade Railway Crossings	Roads	200,000	100,000	275,000	225,000	12,500	812,500
OPS-007-16	394	Cabana Road - Pavement Markings	Roads	-	-	-	-	110,000	110,000
OPS-008-16	395	Devon Dr. Reconstr'n - South Service Rd. to Sydney Placeholder	Roads	-	-	-	-	1,500,000	1,500,000
OPS-009-16	396	North Service Road Reconstruction Placeholder	Roads	-	-	-	-	2,100,000	2,100,000
OPS-010-16	397	Wyandotte St. Mill/Pave - Watson to Riverdale Placeholder	Roads	-	-	-	-	300,000	300,000
PBG-001-14	424	Alley Closing Subsidy Pilot Program	Roads	-	-	790,000	-	-	790,000
<b>Roads Total</b>				<b>19,618,000</b>	<b>21,465,000</b>	<b>29,041,000</b>	<b>22,684,415</b>	<b>34,466,474</b>	<b>127,274,889</b>

**City Of Windsor**  
**Capital Project Listing By Major Category (Gross)**  
for Budget Year 2016 (5-Year Plan)

Project #	Pg #	Project Name	Major Category	2016	2017	2018	2019	2020	Total
ECP-001-10	254	Upper Little River Storm Water Facilities (Sandwich South Employment Lands)	Sewers	-	-	300,000	-	-	300,000
ECP-004-08	231	Municipal Drains	Sewers	100,000	100,000	200,000	-	200,000	600,000
ECP-004-09	251	Stormwater and Sanitary Master Plans	Sewers	-	-	250,000	250,000	250,000	750,000
ECP-005-08	232	Grand Marais Drain Improvements (Concrete Channel)	Sewers	250,000	-	-	-	-	250,000
ECP-017-07	202	Local Improvements Sanitary Sewer Program	Sewers	1,560,000	-	2,000,000	-	-	3,560,000
ECP-022-07	203	Prince Road/Totten Street Storm Sewer Improvements	Sewers	-	-	125,000	-	80,000	205,000
ECP-023-07	204	Parent/McDougall Storm Relief Sewer	Sewers	-	-	250,000	-	-	250,000
ECP-027-07	205	Lennon Drain Improvements	Sewers	1,850,000	-	-	-	-	1,850,000
ECP-028-07	206	Grand Marais Drain Improvements (Existing Naturalized Channel)	Sewers	-	-	-	2,100,000	-	2,100,000
ECP-030-07	207	Riverside Flood Abatement Project	Sewers	-	-	-	-	-	-
ECP-034-07	208	Grove/Campbell/McKay Storm Sewers	Sewers	-	2,000,000	125,000	-	3,670,000	5,795,000
ECP-035-07	209	Citywide Sewer Rehabilitation Program	Sewers	12,500,000	14,160,000	15,000,000	16,410,000	12,480,325	70,550,325
ECP-036-07	213	Ojibway Sanitary Sewer Rehabilitation	Sewers	-	-	-	-	-	-
ECP-041-07	214	New Infrastructure Development	Sewers	100,000	100,000	-	100,000	-	300,000
ENG-001-13	276	Little River Steel Retaining Walls	Sewers	500,000	1,000,000	500,000	-	1,000,000	3,000,000
ENG-002-16	291	Little River Corridor Improvements (Lauzon Rd. to VIA Tracks)	Sewers	-	-	-	-	100,000	100,000
ENG-003-13	277	Baseline/6th Concession Drain Improvements	Sewers	-	-	150,000	200,000	500,000	850,000
ENG-007-16	295	Flooding Abatement Measures	Sewers	2,630,000	2,500,000	2,700,000	640,000	1,100,000	9,570,000
ENG-008-15	288	Strabane Ave. Sanitary Sewer Improvement - WUC Discharge	Sewers	900,000	-	-	-	-	900,000
ENV-001-08	235	Lou Romano Water Reclamation Plant	Sewers	2,250,000	2,150,000	700,000	1,350,000	750,000	7,200,000
ENV-001-11	262	Bio-solids Disposal Strategies	Sewers	300,000	-	-	-	-	300,000
ENV-002-08	238	Little River Pollution Control Plant	Sewers	2,030,000	2,270,000	645,000	2,755,000	525,000	8,225,000
ENV-003-08	242	Pumping Stations	Sewers	400,000	1,200,000	200,000	2,030,000	430,000	4,260,000
ENV-008-10	257	Southwood Lakes Shoreline Restoration	Sewers	600,000	600,000	400,000	500,000	-	2,100,000
FIN-005-15	141	Little River Pollution Control Plant Energy Efficiency Measures Implementation	Sewers	-	-	-	-	150,000	150,000
<b>Sewers Total</b>				<b>25,970,000</b>	<b>26,080,000</b>	<b>23,545,000</b>	<b>26,335,000</b>	<b>21,235,325</b>	<b>123,165,325</b>



**City Of Windsor**  
**Capital Project Listing By Major Category (Gross)**  
for Budget Year 2016 (5-Year Plan)

Project #	Pg #	Project Name	Major Category	2016	2017	2018	2019	2020	Total
ECP-001-07	187	Various Street Lighting Citywide	Transportation Infrastructure	340,000	520,000	700,000	520,000	120,000	2,200,000
ECP-010-09	449	Airport Infrastructure - Asset Replacement	Transportation Infrastructure	160,000	460,000	200,000	1,500,000	3,100,000	5,420,000
ECP-046-07	442	Windsor Airport Improvement - Asset Management	Transportation Infrastructure	650,000	500,000	100,000	345,000	380,000	1,975,000
FRS-001-07	323	Fire First Response Vehicle Replacement	Transportation Infrastructure	149,000	658,000	-	47,500	52,000	906,500
OPS-001-10	376	LED Signal Replacement	Transportation Infrastructure	50,000	250,000	-	250,000	300,000	850,000
OPS-001-13	382	Parking Equipment Replacement	Transportation Infrastructure	62,000	62,000	32,000	50,000	50,000	256,000
OPS-002-09	375	Video Detection/Infrastructure Upgrade	Transportation Infrastructure	-	-	-	500,000	400,000	900,000
OPS-002-10	377	Gateway Corridor Enhancements	Transportation Infrastructure	-	-	-	200,000	-	200,000
OPS-002-16	390	Fuel Site Automation	Transportation Infrastructure	25,000	-	-	-	-	25,000
OPS-003-11	381	Parking Enforcement - Handheld Replacements	Transportation Infrastructure	-	-	-	-	-	-
OPS-003-16	391	Audible Traffic Signals	Transportation Infrastructure	-	-	-	-	-	-
OPS-005-08	365	Fleet Replacements	Transportation Infrastructure	1,560,500	2,577,000	2,238,000	1,309,500	2,704,250	10,389,250
OPS-009-07	348	Transportation Planning Environmental Study Reports (ESRs)	Transportation Infrastructure	100,000	100,000	-	100,000	100,000	400,000
OPS-010-07	350	Traffic Signal System Upgrade	Transportation Infrastructure	200,000	200,000	600,000	600,000	600,000	2,200,000
OPS-012-07	351	Traffic Signals Improvements	Transportation Infrastructure	300,000	300,000	200,000	200,000	300,000	1,300,000
OPS-014-07	357	Bikeways Development	Transportation Infrastructure	200,000	400,000	500,000	600,000	600,000	2,300,000
OPS-018-07	358	Parking Garages Improvements	Transportation Infrastructure	300,000	300,000	200,000	200,000	400,000	1,400,000
OPS-019-07	360	New Parking Development	Transportation Infrastructure	-	-	-	-	-	-
OPS-020-07	361	Parking Lot Rehabilitation	Transportation Infrastructure	-	-	-	200,000	200,000	400,000
OPS-021-07	362	Traffic Calming	Transportation Infrastructure	75,000	75,000	100,000	100,000	100,000	450,000
OPS-022-07	363	Purchase of Additional Fleet Equipment	Transportation Infrastructure	40,000	-	-	-	-	40,000
POL-001-09	61	Police Fleet Replacement/Refurbishment	Transportation Infrastructure	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	6,340,000
TRN-001-07	427	Fleet Replacement	Transportation Infrastructure	-	-	-	3,010,500	3,010,500	6,021,000
TRN-001-08	436	Smart Bus Technology/Intelligent Transportation System (ITS)	Transportation Infrastructure	-	-	-	500,000	-	500,000
TRN-001-15	440	Transit Windsor Buses - Enhanced Capital Placeholder (DRL)	Transportation Infrastructure	-	-	4,000,000	-	-	4,000,000
TRN-001-16	441	Fleet Refurbishment/Repair Costs	Transportation Infrastructure	471,000	500,000	500,000	500,000	500,000	2,471,000
TRN-002-08	438	Fleet Structural Repairs	Transportation Infrastructure	300,000	600,000	-	300,000	300,000	1,500,000
TRN-002-13	439	Fuel System Upgrade and Control Renovations	Transportation Infrastructure	-	-	-	100,000	-	100,000
TRN-003-07	429	Customer Service Improvements - Bus Stops	Transportation Infrastructure	20,000	20,000	20,000	20,000	20,000	100,000
TRN-004-07	431	Implementation of Transit Master Plan	Transportation Infrastructure	50,000	50,000	-	100,000	50,000	250,000
TRN-005-07	433	Handi-Transit Bus Acquisitions	Transportation Infrastructure	480,000	-	-	480,000	240,000	1,200,000
<b>Transportation Infrastructure Total</b>				<b>6,800,500</b>	<b>8,840,000</b>	<b>10,658,000</b>	<b>13,000,500</b>	<b>14,794,750</b>	<b>54,093,750</b>
<b>Grand Total</b>				<b>76,174,651</b>	<b>69,326,616</b>	<b>83,235,260</b>	<b>101,327,379</b>	<b>98,529,549</b>	<b>428,593,455</b>

## **2016 Approved Capital Budget**



### **Section D:**

## **5 - Year Summary of Capital Budget by Funding Source**

**City of Windsor**  
**Summary of Capital Budget by Funding Source**  
*For Budget Year 2016*

Service Area: <b>Agencies, Boards &amp; Committees (ABC)</b>	<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
<b>Department: Windsor Police Services</b>							
<b>Division: Administration - Police</b>							
POL-001-09 Police Fleet Replacement/Refurbishment	183 - Police Fleet	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	<b>6,340,000</b>
POL-001-11 Collision Reporting & Operational Support Centre	160 - Capital Expenditure Reserve	0	0	200,000	0	0	<b>200,000</b>
POL-001-15 WPS Containment Team	195 - Police Equipment Reserve	75,000	0	0	0	0	<b>75,000</b>
POL-001-16 WPS E911 Voicelogger	195 - Police Equipment Reserve	0	0	0	0	150,000	<b>150,000</b>
POL-002-14 WPS Training Classroom Table Replacement	195 - Police Equipment Reserve	0	65,000	0	0	0	<b>65,000</b>
POL-002-15 WPS Next Generation 911	195 - Police Equipment Reserve	0	0	150,000	50,000	50,000	<b>250,000</b>
POL-002-16 WPS Backup E911 Centre Upgrades	195 - Police Equipment Reserve	0	0	0	0	100,000	<b>100,000</b>
POL-003-14 WPS Firearm Pistol Replacement	195 - Police Equipment Reserve	0	0	0	0	100,000	<b>100,000</b>
POL-003-15 WPS Carbines	195 - Police Equipment Reserve	200,000	0	0	0	0	<b>200,000</b>
POL-003-16 WPS Microsoft Software Upgrades	195 - Police Equipment Reserve	100,000	75,000	0	0	0	<b>175,000</b>
POL-004-15 WPS Covert Technology Enhancements	195 - Police Equipment Reserve	0	100,000	100,000	0	0	<b>200,000</b>
POL-004-16 WPS Officer Personal Equipment	195 - Police Equipment Reserve	50,000	0	50,000	50,000	50,000	<b>200,000</b>
POL-005-14 WPS E911 Centre Workstation Replacements	195 - Police Equipment Reserve	0	0	0	0	50,000	<b>50,000</b>
POL-005-15 WPS Use of Force Simulator	195 - Police Equipment Reserve	80,000	0	0	0	0	<b>80,000</b>
POL-005-16 WPS Investigations Master Plan & Renovations	195 - Police Equipment Reserve	60,000	140,000	0	0	0	<b>200,000</b>
POL-006-13 Police Communications Closets-Network Infrastructure Refresh	169 - Pay As You Go - Capital Reserve	0	0	0	150,000	0	<b>150,000</b>
POL-006-14 WPS Bell 911 Voice Upgrade	195 - Police Equipment Reserve	0	200,000	0	0	0	<b>200,000</b>
POL-006-16 WPS Marine Dock Safety & Asset Protection	195 - Police Equipment Reserve	75,000	0	0	0	0	<b>75,000</b>
POL-007-13 Police Business Intelligence	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	<b>0</b>
POL-007-14 WPS Body Armour Replacement	160 - Capital Expenditure Reserve	0	0	220,000	0	0	<b>220,000</b>
POL-007-14 WPS Body Armour Replacement	169 - Pay As You Go - Capital Reserve	0	0	0	155,000	0	<b>155,000</b>
POL-007-14 WPS Body Armour Replacement	195 - Police Equipment Reserve	75,000	125,000	0	0	0	<b>200,000</b>
POL-007-16 WPS Crime Scene Scanner Technology	195 - Police Equipment Reserve	0	0	180,000	0	0	<b>180,000</b>
POL-008-16 WPS Covert Surveillance Equipment	195 - Police Equipment Reserve	0	0	0	100,000	0	<b>100,000</b>
POL-009-14 WPS Workspace Ergonomic & Efficiency Reconfigurations	195 - Police Equipment Reserve	200,000	0	0	0	0	<b>200,000</b>
POL-009-16 WPS Internet Child Exploitation Program	195 - Police Equipment Reserve	0	0	0	100,000	0	<b>100,000</b>
POL-010-14 WPS Body/In-Car Cameras	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	<b>0</b>
POL-010-16 WPS CIU Mobile Technology	195 - Police Equipment Reserve	0	0	0	70,000	0	<b>70,000</b>
POL-011-16 WPS Mobile Occurrence & Scene Documentation Application	195 - Police Equipment Reserve	0	0	0	150,000	0	<b>150,000</b>
POL-012-16 WPS Hybrid Tactical Range	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	<b>0</b>

**City of Windsor**  
**Summary of Capital Budget by Funding Source**  
*For Budget Year 2016*

	<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
POL-013-14 WPS Tasers	195 - Police Equipment Reserve	125,000	0	200,000	0	0	<b>325,000</b>
POL-013-16 WPS Outdoor Range Refurbishment	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	<b>0</b>
POL-014-16 WPS Secure HQ Wireless Network	195 - Police Equipment Reserve	0	50,000	0	0	0	<b>50,000</b>
<b>Total for Department: Windsor Police Services</b>		<b>2,308,000</b>	<b>2,023,000</b>	<b>2,368,000</b>	<b>2,093,000</b>	<b>1,768,000</b>	<b>10,560,000</b>
<b>Total for Service Area: Agencies, Boards &amp; Committees (ABC)</b>		<b>2,308,000</b>	<b>2,023,000</b>	<b>2,368,000</b>	<b>2,093,000</b>	<b>1,768,000</b>	<b>10,560,000</b>

**City of Windsor**  
**Summary of Capital Budget by Funding Source**  
*For Budget Year 2016*

Service Area: <b>City Council &amp; Mayor's Office (MAY)</b>	<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Department: <b>Mayor's Office</b>							
Division: <b>Administration - Mayor's Office</b>							
MAY-001-16 Arts Endowment Placeholder	169 - Pay As You Go - Capital Reserve	0	0	0	0	2,000,000	<b>2,000,000</b>
MAY-002-16 Environmentally Significant Lands Acquisition Placeholder	169 - Pay As You Go - Capital Reserve	0	0	0	0	1,500,000	<b>1,500,000</b>
<b>Total for Department: Mayor's Office</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,500,000</b>	<b>3,500,000</b>
<b>Total for Service Area: City Council &amp; Mayor's Office (MAY)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,500,000</b>	<b>3,500,000</b>

**City of Windsor**  
**Summary of Capital Budget by Funding Source**  
*For Budget Year 2016*

	<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
<b>Service Area: Community Development &amp; Health Commissioner (CDH)</b>							
<b>Department: Housing &amp; Children Services</b>							
<b>Division: Housing Administration</b>							
HCS-001-07 Social Housing Reserve Fund	169 - Pay As You Go - Capital Reserve	0	0	0	1,326,591	0	<b>1,326,591</b>
HCS-001-07 Social Housing Reserve Fund	6340 - Net County Cost	0	0	0	673,409	0	<b>673,409</b>
HCS-001-14 Windsor Essex Community Housing Corporation (DRL) Placeholder	169 - Pay As You Go - Capital Reserve	0	0	1,500,000	0	0	<b>1,500,000</b>
HCS-001-14 Windsor Essex Community Housing Corporation (DRL) Placeholder	6340 - Net County Cost	0	0	734,000	0	0	<b>734,000</b>
<b>Total for Department: Housing &amp; Children Services</b>		<b>0</b>	<b>0</b>	<b>2,234,000</b>	<b>2,000,000</b>	<b>0</b>	<b>4,234,000</b>
<b>Department: Huron Lodge</b>							
<b>Division: Dietary</b>							
HLD-003-15 Replacement of Dish Machines and Other Industrial Equipment	169 - Pay As You Go - Capital Reserve	0	0	80,000	95,000	0	<b>175,000</b>
HLD-004-15 Replacement of Refrigeration and Freezer Equipment	169 - Pay As You Go - Capital Reserve	0	0	80,000	0	0	<b>80,000</b>
HLD-006-15 Hardware and Software for Dietary	169 - Pay As You Go - Capital Reserve	0	0	0	65,000	0	<b>65,000</b>
<b>Division: Nursing &amp; Personal Care</b>							
HLD-001-11 Wireless Technology	169 - Pay As You Go - Capital Reserve	0	0	0	78,000	0	<b>78,000</b>
HLD-001-12 Huron Lodge Nursing Requirements	169 - Pay As You Go - Capital Reserve	0	0	0	150,000	150,000	<b>300,000</b>
HLD-001-15 Ceiling Lift Replacement Program	169 - Pay As You Go - Capital Reserve	0	0	0	115,000	200,000	<b>315,000</b>
HLD-002-15 Resident Monitoring & Nurse Bedside Call System	169 - Pay As You Go - Capital Reserve	0	0	100,000	25,000	0	<b>125,000</b>
<b>Division: Program Services</b>							
HLD-001-13 Resident & Home Area Beds/Mattresses and Furniture	169 - Pay As You Go - Capital Reserve	0	0	0	250,000	100,000	<b>350,000</b>
HLD-002-12 Cooking and Food Preparation Equipment	160 - Capital Expenditure Reserve	0	0	40,000	0	0	<b>40,000</b>
HLD-002-12 Cooking and Food Preparation Equipment	169 - Pay As You Go - Capital Reserve	0	0	0	40,000	0	<b>40,000</b>
<b>Total for Department: Huron Lodge</b>		<b>0</b>	<b>0</b>	<b>300,000</b>	<b>818,000</b>	<b>450,000</b>	<b>1,568,000</b>
<b>Department: Recreation &amp; Culture</b>							
<b>Division: Admin - Parks &amp; Recreation</b>							
REC-001-15 Recreation Software CLASS System Project	7058 - TRANSFER From Reserve Account	200,000	0	0	0	0	<b>200,000</b>
<b>Division: Community Centres &amp; Programming</b>							

**City of Windsor**  
**Summary of Capital Budget by Funding Source**  
*For Budget Year 2016*

	<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
REC-002-14 Relocation of Sandpoint Beach	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	0
REC-003-07 Refurbishment of Municipal Pools	125 - Dev Chg - Indoor Recreation	0	90,000	0	90,000	90,000	270,000
REC-003-07 Refurbishment of Municipal Pools	169 - Pay As You Go - Capital Reserve	0	10,000	0	10,000	10,000	30,000
REC-004-07 Recreation Facility Refurbishments	125 - Dev Chg - Indoor Recreation	5,000	5,000	0	5,000	5,000	20,000
REC-004-07 Recreation Facility Refurbishments	169 - Pay As You Go - Capital Reserve	45,000	45,000	0	45,000	45,000	180,000
<b>Division: Cultural Affairs</b>							
REC-003-16 Windsor & Canada Birthday Celebrations	169 - Pay As You Go - Capital Reserve	40,000	85,000	0	0	0	125,000
<b>Division: Recreation Facilities</b>							
HCP-011-07 Willistead Restoration Improvements Upgrade	135 - Willistead Improvements	0	0	0	0	100,000	100,000
REC-001-16 Forest Glade New Gym Addition	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	0
REC-002-07 Lakeview Park Marina Upgrades	165 - Lakeview Park Marina	0	0	0	0	55,000	55,000
REC-002-07 Lakeview Park Marina Upgrades	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	0
REC-002-16 Lakeview Park Marina Fuel Tanks	169 - Pay As You Go - Capital Reserve	300,000	0	0	0	0	300,000
REC-003-14 East Windsor Community Pool	169 - Pay As You Go - Capital Reserve	0	0	0	2,250,000	0	2,250,000
REC-005-16 Family Change Room @ Gino Marcus Placeholder	169 - Pay As You Go - Capital Reserve	0	0	0	0	1,100,000	1,100,000
<b>Total for Department: Recreation &amp; Culture</b>		<b>590,000</b>	<b>235,000</b>	<b>0</b>	<b>2,400,000</b>	<b>1,405,000</b>	<b>4,630,000</b>
<b>Total for Service Area: Community Development &amp; Health Commissioner (CDH)</b>		<b>590,000</b>	<b>235,000</b>	<b>2,534,000</b>	<b>5,218,000</b>	<b>1,855,000</b>	<b>10,432,000</b>

**City of Windsor**  
**Summary of Capital Budget by Funding Source**  
*For Budget Year 2016*

Service Area: <b>Office of the CAO (CAO)</b>	<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
Department: <b>CAO's Office</b>							
Division: <b>CAO's Office</b>							
CAO-001-16 University of Windsor Contribution	169 - Pay As You Go - Capital Reserve	0	0	0	7,500,000	7,500,000	<b>15,000,000</b>
CAO-002-16 AMO Conference Host Municipality	169 - Pay As You Go - Capital Reserve	25,000	0	0	0	0	<b>25,000</b>
CAO-002-16 AMO Conference Host Municipality	6340 - Net County Cost	25,000	0	0	0	0	<b>25,000</b>
<b>Total for Department: CAO's Office</b>		<b>50,000</b>	<b>0</b>	<b>0</b>	<b>7,500,000</b>	<b>7,500,000</b>	<b>15,050,000</b>
<b>Total for Service Area: Office of the CAO (CAO)</b>		<b>50,000</b>	<b>0</b>	<b>0</b>	<b>7,500,000</b>	<b>7,500,000</b>	<b>15,050,000</b>



**City of Windsor**  
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Service Area: <b>Office of the CFO (CFO)</b>	<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
<b>Department: Finance</b>							
<b>Division: Administration - Finance</b>							
FIN-006-16 (Legislated) Liability for Contaminated Sites	169 - Pay As You Go - Capital Reserve	200,000	0	0	0	0	<b>200,000</b>
FIN-009-15 Capital Reserve Allocation	169 - Pay As You Go - Capital Reserve	3,210,000	3,210,000	3,210,000	3,210,000	3,210,000	<b>16,050,000</b>
<b>Division: Asset Planning</b>							
FIN-001-15 Main Energy Consumers Sub-Metering	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	<b>0</b>
FIN-002-15 Corporate Wide Facilities LED Lighting Conversion	169 - Pay As You Go - Capital Reserve	0	0	0	1,200,000	0	<b>1,200,000</b>
FIN-003-14 Engineering Study for Arenas	169 - Pay As You Go - Capital Reserve	0	0	0	200,000	0	<b>200,000</b>
FIN-003-15 Corporate Wide Facilities Lighting Sensors and Timers	160 - Capital Expenditure Reserve	0	0	55,000	0	5,000	<b>60,000</b>
FIN-004-15 400 City Hall Energy Efficiency Upgrade	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	<b>0</b>
FIN-005-15 Little River Pollution Control Plant Energy Efficiency Measures Implementation	132 - Little River PCP	0	0	0	0	150,000	<b>150,000</b>
FIN-006-15 Transit Windsor Installation of NOx and CO Sensors	160 - Capital Expenditure Reserve	0	0	60,000	0	2,000	<b>62,000</b>
FIN-007-15 Huron Lodge Recommissioning/LED Lighting/Sub-metering	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	<b>0</b>
<b>Division: Financial Planning</b>							
FIN-001-14 Development Charges Study and Bylaw Update	121 - Dev Chg - General	0	0	0	40,000	40,000	<b>80,000</b>
FIN-007-16 Ward Funds Placeholder	169 - Pay As You Go - Capital Reserve	0	0	0	0	400,000	<b>400,000</b>
<b>Division: Taxation &amp; Financial Projects</b>							
FIN-005-16 Tax Payment Automation - Cheque Scanner	160 - Capital Expenditure Reserve	50,000	0	0	0	0	<b>50,000</b>
<b>Total for Department: Finance</b>		<b>3,460,000</b>	<b>3,210,000</b>	<b>3,325,000</b>	<b>4,650,000</b>	<b>3,807,000</b>	<b>18,452,000</b>
<b>Department: Information Technology</b>							
<b>Division: Administration - Info. Tech.</b>							
ITC-001-08 Business Continuity	169 - Pay As You Go - Capital Reserve	0	0	0	0	100,000	<b>100,000</b>
ITC-001-10 Smart Community Initiative	169 - Pay As You Go - Capital Reserve	0	0	0	200,000	200,000	<b>400,000</b>
ITC-001-13 Mobility Integration Placeholder	169 - Pay As You Go - Capital Reserve	0	0	0	500,000	0	<b>500,000</b>
ITC-007-07 Intranet Redesign & Internet Improvements and Accessibility	169 - Pay As You Go - Capital Reserve	0	0	0	850,000	0	<b>850,000</b>
<b>Division: End User Management</b>							
ITC-001-09 Video Communication	169 - Pay As You Go - Capital Reserve	0	0	0	0	200,000	<b>200,000</b>

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	<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
<b>Division: Enterprise System Support</b>							
ITC-008-07 ERP Sustainability	160 - Capital Expenditure Reserve	25,000	0	0	475,000	250,000	<b>750,000</b>
ITC-011-07 AMANDA Projects	160 - Capital Expenditure Reserve	25,000	0	200,000	350,000	200,000	<b>775,000</b>
<b>Division: Project Management &amp; Applications</b>							
ITC-001-12 WFRS Computer Aided Dispatch System & Related Technologies	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	<b>0</b>
ITC-002-16 Corporate Radio Infrastructure	198- Pay As You Go Corporate Radios Reserve	3,415,235	0	0	0	0	<b>3,415,235</b>
<b>Division: Technology Infrastructure</b>							
ITC-002-07 Reliable Electronic Storage	160 - Capital Expenditure Reserve	0	100,000	100,000	150,000	150,000	<b>500,000</b>
ITC-003-07 Network Infrastructure	160 - Capital Expenditure Reserve	0	100,000	200,000	200,000	230,000	<b>730,000</b>
ITC-005-07 Security	160 - Capital Expenditure Reserve	60,000	100,000	100,000	100,000	100,000	<b>460,000</b>
ITC-006-07 Disaster Recovery	160 - Capital Expenditure Reserve	0	100,000	150,000	150,000	100,000	<b>500,000</b>
ITC-012-07 Replace/Upgrade Corporate Telephone Systems	160 - Capital Expenditure Reserve	200,000	75,000	200,000	150,000	200,000	<b>825,000</b>
ITC-012-07 Replace/Upgrade Corporate Telephone Systems	169 - Pay As You Go - Capital Reserve	0	125,000	0	0	0	<b>125,000</b>
<b>Total for Department: Information Technology</b>		<b>3,725,235</b>	<b>600,000</b>	<b>950,000</b>	<b>3,125,000</b>	<b>1,730,000</b>	<b>10,130,235</b>
<b>Total for Service Area: Office of the CFO (CFO)</b>		<b>7,185,235</b>	<b>3,810,000</b>	<b>4,275,000</b>	<b>7,775,000</b>	<b>5,537,000</b>	<b>28,582,235</b>

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	<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
<b>Service Area: Office of the City Clerk (OCC)</b>							
<b>Department: Council Services</b>							
<b>Division: Communications &amp; Cust. Service</b>							
CCS-001-11 311/211 Call Centre Phone Upgrade	169 - Pay As You Go - Capital Reserve	0	0	0	200,000	0	<b>200,000</b>
<b>Division: Council Services Division</b>							
CNS-001-07 Records Management	160 - Capital Expenditure Reserve	50,000	50,000	0	0	0	<b>100,000</b>
<b>Total for Department: Council Services</b>		<b>50,000</b>	<b>50,000</b>	<b>0</b>	<b>200,000</b>	<b>0</b>	<b>300,000</b>
<b>Department: Human Resources</b>							
<b>Division: Administration - Human Resources</b>							
HRS-002-09 AODA Implementation	169 - Pay As You Go - Capital Reserve	0	51,500	0	0	74,500	<b>126,000</b>
HRS-002-11 Online Learning Programs	169 - Pay As You Go - Capital Reserve	20,000	0	0	0	0	<b>20,000</b>
<b>Division: Organizational Develop &amp; OH&amp;S</b>							
HRS-002-08 Health and Safety Reserve	160 - Capital Expenditure Reserve	10,000	0	10,000	10,000	0	<b>30,000</b>
HRS-002-08 Health and Safety Reserve	169 - Pay As You Go - Capital Reserve	0	10,000	0	0	10,000	<b>20,000</b>
<b>Total for Department: Human Resources</b>		<b>30,000</b>	<b>61,500</b>	<b>10,000</b>	<b>10,000</b>	<b>84,500</b>	<b>196,000</b>
<b>Department: Windsor Public Library</b>							
<b>Division: Library</b>							
WPL-001-14 Mobile Unit/Materials Acquisition - DC Charge Request	122 - Dev Chg - Library	100,000	100,000	175,000	175,000	150,000	<b>700,000</b>
WPL-004-11 Materials Automation Systems Upgrade	169 - Pay As You Go - Capital Reserve	0	0	0	1,050,000	0	<b>1,050,000</b>
WPL-009-11 Library Branch Refurbishments	169 - Pay As You Go - Capital Reserve	68,900	46,200	0	0	0	<b>115,100</b>
<b>Total for Department: Windsor Public Library</b>		<b>168,900</b>	<b>146,200</b>	<b>175,000</b>	<b>1,225,000</b>	<b>150,000</b>	<b>1,865,100</b>
<b>Total for Service Area: Office of the City Clerk (OCC)</b>		<b>248,900</b>	<b>257,700</b>	<b>185,000</b>	<b>1,435,000</b>	<b>234,500</b>	<b>2,361,100</b>

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Service Area: <b>Office of the City Engineer (OCE)</b>	<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
<b>Department: Engineering</b>							
<b>Division: Development, Projects &amp; Right of Way</b>							
ECP-001-13 New Fire Hall Station #6 & Emergency Operations Centre (EOC)	169 - Pay As You Go - Capital Reserve	636,516	636,516	1,247,160	2,448,064	0	<b>4,968,256</b>
ECP-009-08 Site Environment Assessments/Corporate Demolitions - various properties	169 - Pay As You Go - Capital Reserve	0	0	0	0	200,000	<b>200,000</b>
ECP-012-07 South Cameron/South Windsor Planning Districts	169 - Pay As You Go - Capital Reserve	0	0	0	0	410,000	<b>410,000</b>
ECP-012-07 South Cameron/South Windsor Planning Districts	6735 - Recovery Of Expenses EXTERNAL	0	0	1,400,000	0	0	<b>1,400,000</b>
ECP-013-09 La Bella Strada	176 - Federal Gas Tax Rebate	0	0	0	0	0	<b>0</b>
ECP-013-09 La Bella Strada	6735 - Recovery Of Expenses EXTERNAL	0	0	0	0	0	<b>0</b>
ECP-014-07 Streetscape Improvements	169 - Pay As You Go - Capital Reserve	0	0	0	0	350,000	<b>350,000</b>
ECP-041-07 New Infrastructure Development	028 - Sewer Surcharge	100,000	0	0	0	0	<b>100,000</b>
ECP-041-07 New Infrastructure Development	169 - Pay As You Go - Capital Reserve	0	100,000	0	100,000	0	<b>200,000</b>
ENG-002-14 Festival Plaza Retaining Wall	169 - Pay As You Go - Capital Reserve	0	0	0	1,350,000	0	<b>1,350,000</b>
ENG-009-16 North Talbot EA/Engineering and Southwood Lakes Entr. Reconstr'n Placeholder	169 - Pay As You Go - Capital Reserve	0	0	0	0	600,000	<b>600,000</b>
<b>Division: Facility Operations</b>							
ENG-004-16 Key Control	169 - Pay As You Go - Capital Reserve	100,000	150,000	150,000	150,000	50,000	<b>600,000</b>
ENG-006-16 Peace Fountain Capital Repairs	169 - Pay As You Go - Capital Reserve	100,000	100,000	0	0	0	<b>200,000</b>
ENG-008-16 400 CHS Building Reconfiguration	169 - Pay As You Go - Capital Reserve	0	0	0	38,000	275,000	<b>313,000</b>
ENG-010-15 Art Gallery Acquisition	169 - Pay As You Go - Capital Reserve	3,333,000	0	0	0	0	<b>3,333,000</b>
HCP-001-07 Accessibility - ODA Requirements	160 - Capital Expenditure Reserve	0	0	0	0	100,000	<b>100,000</b>
HCP-001-10 Corporate Facility Backflow Prevention Program	169 - Pay As You Go - Capital Reserve	0	100,000	0	0	200,000	<b>300,000</b>
HCP-002-07 Roof Replacement	169 - Pay As You Go - Capital Reserve	456,000	1,300,400	471,100	428,900	1,330,500	<b>3,986,900</b>
HCP-002-09 Fire Hall Capital Maintenance	169 - Pay As You Go - Capital Reserve	59,500	150,000	150,000	150,000	150,000	<b>659,500</b>
HCP-005-08 Corporate Facilities Paving Program	169 - Pay As You Go - Capital Reserve	100,000	100,000	100,000	100,000	100,000	<b>500,000</b>
HCP-010-07 Willistead Complex Capital Improvements	169 - Pay As You Go - Capital Reserve	750,000	750,000	0	0	0	<b>1,500,000</b>
OPS-007-07 Operations' Facilities Improvements	169 - Pay As You Go - Capital Reserve	50,000	75,000	25,000	25,000	25,000	<b>200,000</b>
OPS-011-07 Traffic Operations Facilities Upgrades	169 - Pay As You Go - Capital Reserve	35,000	0	0	0	0	<b>35,000</b>
PFO-001-12 Corporate Security Infrastructure Program	169 - Pay As You Go - Capital Reserve	100,000	50,000	50,000	50,000	50,000	<b>300,000</b>
PFO-001-15 Huron Lodge - Equipment Replacement	169 - Pay As You Go - Capital Reserve	18,000	0	0	60,000	175,000	<b>253,000</b>
PFO-002-12 Corporate Facility Maintenance Program	169 - Pay As You Go - Capital Reserve	0	0	50,000	100,000	50,000	<b>200,000</b>
PFO-002-14 Huron Lodge Facility Improvements	160 - Capital Expenditure Reserve	250,000	250,000	0	0	0	<b>500,000</b>
PFO-003-11 Designated Substance Remediation	160 - Capital Expenditure Reserve	0	100,000	100,000	100,000	0	<b>300,000</b>

**City of Windsor**  
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	<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
PFO-003-13 Art Gallery Capital Costs - 401 Riverside West	169 - Pay As You Go - Capital Reserve	0	0	532,840	125,000	125,000	<b>782,840</b>
PFO-003-13 Art Gallery Capital Costs - 401 Riverside West	176 - Federal Gas Tax Rebate	0	0	1,247,160	0	0	<b>1,247,160</b>
PFO-003-14 Corporate Boiler Replacement Program	169 - Pay As You Go - Capital Reserve	0	0	55,000	89,500	0	<b>144,500</b>
PFO-004-12 Municipal Facilities Building Condition Assessments	169 - Pay As You Go - Capital Reserve	0	0	0	50,000	50,000	<b>100,000</b>
PFO-004-14 Facility Operations Business Process Improvements	169 - Pay As You Go - Capital Reserve	0	0	0	0	50,000	<b>50,000</b>
PFO-009-11 Corporate Heating & Cooling Replacement/Repair Program	160 - Capital Expenditure Reserve	10,000	0	0	0	500,000	<b>510,000</b>
PFO-009-11 Corporate Heating & Cooling Replacement/Repair Program	169 - Pay As You Go - Capital Reserve	195,000	190,000	450,000	500,000	0	<b>1,335,000</b>
PFO-010-11 Flooring and Finishes Replacement Program	169 - Pay As You Go - Capital Reserve	100,000	100,000	100,000	260,000	100,000	<b>660,000</b>
PFO-014-07 Health & Safety	160 - Capital Expenditure Reserve	0	150,000	150,000	100,000	100,000	<b>500,000</b>
REC-004-08 The WFCU Centre	160 - Capital Expenditure Reserve	340,000	0	0	200,000	30,000	<b>570,000</b>
REC-004-08 The WFCU Centre	169 - Pay As You Go - Capital Reserve	0	430,000	0	0	0	<b>430,000</b>
REC-005-07 Municipal Arena Refurbishments	169 - Pay As You Go - Capital Reserve	250,000	280,000	250,000	250,000	280,000	<b>1,310,000</b>
REC-006-07 Mackenzie Hall	169 - Pay As You Go - Capital Reserve	1,490,000	0	0	0	0	<b>1,490,000</b>
<b>Division: Infrastructure &amp; Geomatics</b>							
ECP-001-07 Various Street Lighting Citywide	169 - Pay As You Go - Capital Reserve	340,000	520,000	700,000	520,000	120,000	<b>2,200,000</b>
ECP-001-10 Upper Little River Storm Water Facilities (Sandwich South Employment Lands)	028 - Sewer Surcharge	0	0	300,000	0	0	<b>300,000</b>
ECP-001-16 New City Hall Additional Funding Placeholder	169 - Pay As You Go - Capital Reserve	0	0	0	2,500,000	0	<b>2,500,000</b>
ECP-002-08 Provincial/Division Corridor Improvements	028 - Sewer Surcharge	3,045,000	1,500,000	0	2,000,000	0	<b>6,545,000</b>
ECP-002-08 Provincial/Division Corridor Improvements	117 - Dev Chg - Storm & Drains	24,000	0	0	0	0	<b>24,000</b>
ECP-002-08 Provincial/Division Corridor Improvements	169 - Pay As You Go - Capital Reserve	0	500,000	0	0	1,850,000	<b>2,350,000</b>
ECP-002-10 Banwell Road Improvements	169 - Pay As You Go - Capital Reserve	0	0	0	0	1,000,000	<b>1,000,000</b>
ECP-003-07 Grand Marais Road Improvements	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	<b>0</b>
ECP-003-08 Howard Avenue South Corridor Improvements	169 - Pay As You Go - Capital Reserve	0	0	0	0	350,000	<b>350,000</b>
ECP-003-09 Cabana Road Improvements	028 - Sewer Surcharge	0	0	0	0	2,119,674	<b>2,119,674</b>
ECP-003-09 Cabana Road Improvements	115 - Dev Chg - Roads & Related	3,268,000	6,399,000	1,642,675	315,325	175,000	<b>11,800,000</b>
ECP-003-09 Cabana Road Improvements	117 - Dev Chg - Storm & Drains	219,000	69,000	540,000	0	0	<b>828,000</b>
ECP-003-09 Cabana Road Improvements	169 - Pay As You Go - Capital Reserve	125,000	0	1,877,325	3,515,000	4,025,000	<b>9,542,325</b>
ECP-004-07 Walker Road Improvements	115 - Dev Chg - Roads & Related	0	0	0	0	0	<b>0</b>
ECP-004-07 Walker Road Improvements	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	<b>0</b>
ECP-004-08 Municipal Drains	028 - Sewer Surcharge	100,000	100,000	200,000	0	200,000	<b>600,000</b>
ECP-004-09 Stormwater and Sanitary Master Plans	028 - Sewer Surcharge	0	0	250,000	250,000	250,000	<b>750,000</b>
ECP-005-07 Tecumseh Road East Improvements	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	<b>0</b>

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ECP-005-08 Grand Marais Drain Improvements (Concrete Channel)	028 - Sewer Surcharge	250,000	0	0	0	0	<b>250,000</b>
ECP-005-10 Local Improvement Program - Road Rehabilitation	169 - Pay As You Go - Capital Reserve	200,000	0	0	250,000	200,000	<b>650,000</b>
ECP-006-07 Howard Avenue Improvements	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	<b>0</b>
ECP-007-07 Local Improvement Program	028 - Sewer Surcharge	0	0	0	0	99,800	<b>99,800</b>
ECP-007-07 Local Improvement Program	169 - Pay As You Go - Capital Reserve	0	260,000	460,000	900,000	1,295,000	<b>2,915,000</b>
ECP-007-07 Local Improvement Program	6735 - Recovery Of Expenses EXTERNAL	0	0	80,000	100,000	350,000	<b>530,000</b>
ECP-008-07 Pedestrian Safety Improvements	160 - Capital Expenditure Reserve	0	0	0	25,000	0	<b>25,000</b>
ECP-008-07 Pedestrian Safety Improvements	169 - Pay As You Go - Capital Reserve	0	0	0	75,000	0	<b>75,000</b>
ECP-009-07 Citywide Intersection/Roadway Improvements	169 - Pay As You Go - Capital Reserve	0	0	0	470,000	500,000	<b>970,000</b>
ECP-010-07 East Riverside Planning District	028 - Sewer Surcharge	0	0	0	0	0	<b>0</b>
ECP-010-07 East Riverside Planning District	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	<b>0</b>
ECP-015-07 McDougall Avenue North-South Collector	115 - Dev Chg - Roads & Related	0	0	0	0	0	<b>0</b>
ECP-016-07 The Riverside Drive Vista Improvement	028 - Sewer Surcharge	2,000,000	0	0	0	0	<b>2,000,000</b>
ECP-016-07 The Riverside Drive Vista Improvement	169 - Pay As You Go - Capital Reserve	1,250,000	0	0	300,000	4,160,000	<b>5,710,000</b>
ECP-017-07 Local Improvements Sanitary Sewer Program	028 - Sewer Surcharge	1,325,000	0	1,700,000	0	0	<b>3,025,000</b>
ECP-017-07 Local Improvements Sanitary Sewer Program	6735 - Recovery Of Expenses EXTERNAL	235,000	0	300,000	0	0	<b>535,000</b>
ECP-022-07 Prince Road/Totten Street Storm Sewer Improvements	028 - Sewer Surcharge	0	0	125,000	0	80,000	<b>205,000</b>
ECP-022-07 Prince Road/Totten Street Storm Sewer Improvements	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	<b>0</b>
ECP-023-07 Parent/McDougall Storm Relief Sewer	028 - Sewer Surcharge	0	0	250,000	0	0	<b>250,000</b>
ECP-027-07 Lennon Drain Improvements	028 - Sewer Surcharge	650,000	0	0	0	0	<b>650,000</b>
ECP-027-07 Lennon Drain Improvements	153 - Sewer Surcharge	1,200,000	0	0	0	0	<b>1,200,000</b>
ECP-028-07 Grand Marais Drain Improvements (Existing Naturalized Channel)	028 - Sewer Surcharge	0	0	0	2,100,000	0	<b>2,100,000</b>
ECP-030-07 Riverside Flood Abatement Project	028 - Sewer Surcharge	0	0	0	0	0	<b>0</b>
ECP-034-07 Grove/Campbell/McKay Storm Sewers	028 - Sewer Surcharge	0	2,000,000	125,000	0	3,670,000	<b>5,795,000</b>
ECP-035-07 Citywide Sewer Rehabilitation Program	028 - Sewer Surcharge	12,500,000	14,160,000	15,000,000	16,410,000	12,480,325	<b>70,550,325</b>
ECP-036-07 Ojibway Sanitary Sewer Rehabilitation	028 - Sewer Surcharge	0	0	0	0	0	<b>0</b>
EDG-001-11 Lauzon Parkway - County Rd. 42 - East/West Arterial	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	<b>0</b>
EIT-001-11 Local Improvement - Street Lighting	169 - Pay As You Go - Capital Reserve	100,000	0	0	100,000	0	<b>200,000</b>
ENG-001-13 Little River Steel Retaining Walls	028 - Sewer Surcharge	500,000	1,000,000	500,000	0	1,000,000	<b>3,000,000</b>
ENG-001-16 Sixth Concession/North Talbot	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	<b>0</b>
ENG-002-12 Local Improvement Program - Sidewalks	169 - Pay As You Go - Capital Reserve	0	0	0	50,000	0	<b>50,000</b>
ENG-002-16 Little River Corridor Improvements (Lauzon Rd. to VIA Tracks)	028 - Sewer Surcharge	0	0	0	0	100,000	<b>100,000</b>

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*For Budget Year 2016*

	<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
ENG-003-13 Baseline/6th Concession Drain Improvements	028 - Sewer Surcharge	0	0	150,000	200,000	500,000	<b>850,000</b>
ENG-004-14 New Sidewalks on Collectors and Arterials	169 - Pay As You Go - Capital Reserve	0	0	0	200,000	200,000	<b>400,000</b>
ENG-007-16 Flooding Abatement Measures	028 - Sewer Surcharge	2,630,000	2,500,000	2,700,000	640,000	1,100,000	<b>9,570,000</b>
ENG-008-15 Strabane Ave. Sanitary Sewer Improvement - WUC Discharge	6735 - Recovery Of Expenses EXTERNAL	900,000	0	0	0	0	<b>900,000</b>
ENG-009-15 Twin Oaks Railway Spur Line to C.S.Wind Facility	169 - Pay As You Go - Capital Reserve	2,275,000	0	0	0	0	<b>2,275,000</b>
<b>Division: Pollution Control</b>							
ENV-001-08 Lou Romano Water Reclamation Plant	131 - West Windsor PCP	2,250,000	2,150,000	700,000	1,350,000	750,000	<b>7,200,000</b>
ENV-001-11 Bio-solids Disposal Strategies	131 - West Windsor PCP	300,000	0	0	0	0	<b>300,000</b>
ENV-002-08 Little River Pollution Control Plant	132 - Little River PCP	2,030,000	2,270,000	645,000	2,755,000	525,000	<b>8,225,000</b>
ENV-003-08 Pumping Stations	133 - Pumping Stations	400,000	1,200,000	200,000	2,030,000	430,000	<b>4,260,000</b>
ENV-008-10 Southwood Lakes Shoreline Restoration	133 - Pumping Stations	600,000	600,000	400,000	500,000	0	<b>2,100,000</b>
<b>Total for Department: Engineering</b>		<b>47,189,016</b>	<b>40,239,916</b>	<b>35,373,260</b>	<b>44,229,789</b>	<b>42,830,299</b>	<b>209,862,280</b>

**Department: Parks**

**Division: Forestry**

PFO-004-10 Tree Replacements – Jefferson Ave. Berm	160 - Capital Expenditure Reserve	130,000	0	0	0	0	<b>130,000</b>
PFO-007-11 Tree Maintenance Backlog	160 - Capital Expenditure Reserve	210,000	0	115,000	0	53,000	<b>378,000</b>
PFO-007-11 Tree Maintenance Backlog	169 - Pay As You Go - Capital Reserve	0	250,000	595,000	500,000	447,000	<b>1,792,000</b>
PFO-010-07 City Ash Tree Removals	160 - Capital Expenditure Reserve	150,000	0	0	0	0	<b>150,000</b>

**Division: Horticulture**

PFO-001-16 Greenhouse Complex	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	<b>0</b>
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**Division: Parks Operations**

PFO-001-14 Central Riverfront	169 - Pay As You Go - Capital Reserve	0	0	0	3,000,000	500,000	<b>3,500,000</b>
PFO-002-15 Accessible Playgrounds Citywide	169 - Pay As You Go - Capital Reserve	0	0	2,000,000	0	0	<b>2,000,000</b>
PFO-002-16 Splash Pad - Realtor Park Placeholder	169 - Pay As You Go - Capital Reserve	0	0	0	0	500,000	<b>500,000</b>
PFO-003-15 Central Riverfront Implementation Plan (C.R.I.P.) Placeholder	169 - Pay As You Go - Capital Reserve	0	0	2,300,000	0	0	<b>2,300,000</b>
PFO-005-12 Regional Parks	151 - Land Acquisitions - O/T Highways	220,000	0	0	0	0	<b>220,000</b>
PFO-005-12 Regional Parks	160 - Capital Expenditure Reserve	0	500,000	0	0	0	<b>500,000</b>
PFO-005-12 Regional Parks	169 - Pay As You Go - Capital Reserve	0	0	500,000	500,000	0	<b>1,000,000</b>
PFO-006-12 Community Parks	151 - Land Acquisitions - O/T Highways	0	0	0	0	500,000	<b>500,000</b>
PFO-006-12 Community Parks	166 - Sports Field Improvements	200,000	0	0	0	0	<b>200,000</b>
PFO-006-12 Community Parks	169 - Pay As You Go - Capital Reserve	377,000	250,000	0	500,000	0	<b>1,127,000</b>

# City of Windsor

## Summary of Capital Budget by Funding Source

*For Budget Year 2016*

	<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
PFO-007-12 Neighbourhood Parks	151 - Land Acquisitions - O/T Highways	0	0	0	0	500,000	<b>500,000</b>
PFO-007-12 Neighbourhood Parks	160 - Capital Expenditure Reserve	250,000	250,000	0	0	0	<b>500,000</b>
PFO-007-12 Neighbourhood Parks	169 - Pay As You Go - Capital Reserve	0	0	0	500,000	0	<b>500,000</b>
PFO-008-12 New Parks	151 - Land Acquisitions - O/T Highways	0	300,000	0	0	0	<b>300,000</b>
PFO-009-12 Structures	169 - Pay As You Go - Capital Reserve	50,000	50,000	0	100,000	100,000	<b>300,000</b>
PFO-011-12 City Beautification & Gateways-Maintenance & Refurbishments	160 - Capital Expenditure Reserve	215,000	0	0	0	500,000	<b>715,000</b>
PFO-012-12 Trails	169 - Pay As You Go - Capital Reserve	200,000	200,000	0	200,000	200,000	<b>800,000</b>
PFO-013-12 Parking Lots	169 - Pay As You Go - Capital Reserve	0	0	0	1,000,000	500,000	<b>1,500,000</b>
PFO-014-12 Partnerships	169 - Pay As You Go - Capital Reserve	25,000	25,000	0	25,000	25,000	<b>100,000</b>
PFO-015-12 Parks Master Plan	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	<b>0</b>
PFO-016-12 Parkland Acquisitions	151 - Land Acquisitions - O/T Highways	0	0	0	0	0	<b>0</b>
PFO-017-12 Equipment Removal	160 - Capital Expenditure Reserve	150,000	50,000	0	0	0	<b>200,000</b>
PFO-017-12 Equipment Removal	169 - Pay As You Go - Capital Reserve	0	50,000	0	100,000	0	<b>150,000</b>
<b>Total for Department: Parks</b>		<b>2,177,000</b>	<b>1,925,000</b>	<b>5,510,000</b>	<b>6,425,000</b>	<b>3,825,000</b>	<b>19,862,000</b>

### Department: **Public Works Operations**

#### Division: **Contracts, Field Services & Maintenance**

OPS-001-07 Citywide Road Rehabilitation	176 - Federal Gas Tax Rebate	7,787,000	7,787,000	8,887,000	9,634,090	8,897,000	<b>42,992,090</b>
OPS-001-11 Minor Alley Maintenance	169 - Pay As You Go - Capital Reserve	100,000	100,000	0	100,000	100,000	<b>400,000</b>
OPS-002-10 Gateway Corridor Enhancements	169 - Pay As You Go - Capital Reserve	0	0	0	200,000	0	<b>200,000</b>
OPS-002-11 Minor Road Rehabilitation	169 - Pay As You Go - Capital Reserve	113,484	113,484	0	400,000	113,484	<b>740,452</b>
OPS-002-11 Minor Road Rehabilitation	176 - Federal Gas Tax Rebate	136,516	136,516	0	0	136,516	<b>409,548</b>
OPS-002-14 Enhanced Capital Road Rehabilitation Placeholder	169 - Pay As You Go - Capital Reserve	0	0	5,489,000	0	0	<b>5,489,000</b>
OPS-003-07 Bridge Rehabilitation	176 - Federal Gas Tax Rebate	4,000,000	4,000,000	2,500,000	3,200,000	3,000,000	<b>16,700,000</b>
OPS-004-07 Sidewalk Rehabilitation	169 - Pay As You Go - Capital Reserve	0	0	0	500,000	500,000	<b>1,000,000</b>
OPS-004-07 Sidewalk Rehabilitation	176 - Federal Gas Tax Rebate	500,000	500,000	0	0	0	<b>1,000,000</b>
OPS-004-16 Rail Crossing Safety Assessments	169 - Pay As You Go - Capital Reserve	300,000	0	0	0	0	<b>300,000</b>
OPS-005-07 Railway Lands Fencing	169 - Pay As You Go - Capital Reserve	0	0	50,000	50,000	0	<b>100,000</b>
OPS-005-07 Railway Lands Fencing	6735 - Recovery Of Expenses EXTERNAL	0	0	50,000	50,000	0	<b>100,000</b>
OPS-006-07 At-Grade Railway Crossings	169 - Pay As You Go - Capital Reserve	100,000	100,000	137,500	225,000	12,500	<b>575,000</b>
OPS-006-07 At-Grade Railway Crossings	6320 - Canada Specific Grants	100,000	0	0	0	0	<b>100,000</b>
OPS-006-07 At-Grade Railway Crossings	6735 - Recovery Of Expenses EXTERNAL	0	0	137,500	225,000	12,500	<b>375,000</b>
OPS-008-16 Devon Dr. Reconstr'n - South Service Rd. to Sydney Placeholder	169 - Pay As You Go - Capital Reserve	0	0	0	0	1,500,000	<b>1,500,000</b>
OPS-009-16 North Service Road Reconstruction Placeholder	169 - Pay As You Go - Capital Reserve	0	0	0	0	2,100,000	<b>2,100,000</b>



# City of Windsor

## Summary of Capital Budget by Funding Source

*For Budget Year 2016*

	<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
OPS-010-16 Wyandotte St. Mill/Pave - Watson to Riverdale Placeholder	169 - Pay As You Go - Capital Reserve	0	0	0	0	300,000	<b>300,000</b>
<b>Division: Fleet</b>							
FRS-001-07 Fire First Response Vehicle Replacement	163 - Fire Major Equipment	149,000	658,000	0	47,500	52,000	<b>906,500</b>
OPS-001-15 Replacement of Parks Equipment	169 - Pay As You Go - Capital Reserve	702,000	544,000	584,000	200,000	748,000	<b>2,778,000</b>
OPS-002-16 Fuel Site Automation	169 - Pay As You Go - Capital Reserve	25,000	0	0	0	0	<b>25,000</b>
OPS-005-08 Fleet Replacements	136 - Equipment Replacement	1,560,500	2,577,000	2,238,000	1,309,500	2,704,250	<b>10,389,250</b>
OPS-005-16 FleetFocus Web Modules	160 - Capital Expenditure Reserve	47,000	0	0	0	0	<b>47,000</b>
OPS-005-16 FleetFocus Web Modules	169 - Pay As You Go - Capital Reserve	13,000	0	0	0	0	<b>13,000</b>
OPS-022-07 Purchase of Additional Fleet Equipment	128 - Dev Chg - PW/Build/Equip/Fleet	40,000	0	0	0	0	<b>40,000</b>
OPS-022-07 Purchase of Additional Fleet Equipment	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	<b>0</b>
<b>Division: Traffic Ops, Parking &amp; Trans. Planning</b>							
OPS-001-10 LED Signal Replacement	169 - Pay As You Go - Capital Reserve	50,000	250,000	0	250,000	300,000	<b>850,000</b>
OPS-001-13 Parking Equipment Replacement	138 - Off Street Parking	62,000	62,000	32,000	50,000	50,000	<b>256,000</b>
OPS-002-09 Video Detection/Infrastructure Upgrade	169 - Pay As You Go - Capital Reserve	0	500,000	0	500,000	400,000	<b>1,400,000</b>
OPS-003-11 Parking Enforcement - Handheld Replacements	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	<b>0</b>
OPS-003-14 University Avenue Complete St. - Huron Church Rd. to McDougall Ave. Placeholder	169 - Pay As You Go - Capital Reserve	0	0	5,000,000	0	0	<b>5,000,000</b>
OPS-003-16 Audible Traffic Signals	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	<b>0</b>
OPS-007-16 Cabana Road - Pavement Markings	169 - Pay As You Go - Capital Reserve	0	0	0	0	110,000	<b>110,000</b>
OPS-009-07 Transportation Planning Environmental Study Reports (ESRs)	169 - Pay As You Go - Capital Reserve	100,000	100,000	0	100,000	100,000	<b>400,000</b>
OPS-010-07 Traffic Signal System Upgrade	176 - Federal Gas Tax Rebate	200,000	200,000	600,000	600,000	600,000	<b>2,200,000</b>
OPS-012-07 Traffic Signals Improvements	169 - Pay As You Go - Capital Reserve	100,000	100,000	0	200,000	100,000	<b>500,000</b>
OPS-012-07 Traffic Signals Improvements	176 - Federal Gas Tax Rebate	200,000	200,000	200,000	0	200,000	<b>800,000</b>
OPS-014-07 Bikeways Development	160 - Capital Expenditure Reserve	200,000	400,000	500,000	240,000	0	<b>1,340,000</b>
OPS-014-07 Bikeways Development	169 - Pay As You Go - Capital Reserve	0	0	0	360,000	0	<b>360,000</b>
OPS-014-07 Bikeways Development	176 - Federal Gas Tax Rebate	0	0	0	0	600,000	<b>600,000</b>
OPS-018-07 Parking Garages Improvements	138 - Off Street Parking	300,000	300,000	200,000	100,000	400,000	<b>1,300,000</b>
OPS-018-07 Parking Garages Improvements	169 - Pay As You Go - Capital Reserve	0	0	0	100,000	0	<b>100,000</b>
OPS-019-07 New Parking Development	138 - Off Street Parking	0	0	0	0	0	<b>0</b>
OPS-019-07 New Parking Development	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	<b>0</b>
OPS-020-07 Parking Lot Rehabilitation	138 - Off Street Parking	0	0	0	50,000	100,000	<b>150,000</b>
OPS-020-07 Parking Lot Rehabilitation	169 - Pay As You Go - Capital Reserve	0	0	0	150,000	100,000	<b>250,000</b>
OPS-021-07 Traffic Calming	160 - Capital Expenditure Reserve	75,000	75,000	100,000	100,000	100,000	<b>450,000</b>

**City of Windsor**  
 Summary of Capital Budget by Funding Source  
*For Budget Year 2016*

GL Account	2016	2017	2018	2019	2020	Total
<b>Total for Department: Public Works Operations</b>	16,960,500	18,703,000	26,705,000	18,941,090	23,336,250	104,645,840
<b>Total for Service Area: Office of the City Engineer (OCE)</b>	66,326,516	60,867,916	67,588,260	69,595,879	69,991,549	334,370,120

**City of Windsor**  
**Summary of Capital Budget by Funding Source**  
*For Budget Year 2016*

Service Area: <b>Office of the City Solicitor (OCS)</b>	<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
<b>Department: Fire &amp; Rescue</b>							
<b>Division: Fire Operations</b>							
FRS-003-13 New Fire Headquarters & Station #1	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	0
FRS-004-16 Fire Apparatus Computers	163 - Fire Major Equipment	0	150,000	0	0	0	150,000
<b>Division: Fire Support Services</b>							
FRS-001-15 GPS Traffic Pre-emption	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	0
FRS-001-16 Corporate Radio Battery Refreshment	198 - Pay As You Go Corporate Radios Reserve	15,000	15,000	15,000	15,000	15,000	75,000
FRS-002-07 Crisis System	170 - Pay As You Go - Leasing Reserve	50,000	0	0	50,000	0	100,000
FRS-002-16 Portable Hoists	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	0
FRS-003-16 Fire Prevention & Emergency Management Public Education Displays & Equipment	169 - Pay As You Go - Capital Reserve	20,000	0	0	0	20,000	40,000
FRS-004-07 Breathing Apparatus Cylinders/Packs	169 - Pay As You Go - Capital Reserve	200,000	0	300,000	0	0	500,000
<b>Total for Department: Fire &amp; Rescue</b>		<b>285,000</b>	<b>165,000</b>	<b>315,000</b>	<b>65,000</b>	<b>35,000</b>	<b>865,000</b>
<b>Department: Legal</b>							
<b>Division: Legal, Real Estate &amp; Risk Mgmt</b>							
ENG-005-16 2437 Howard Avenue Improvements Placeholder	169 - Pay As You Go - Capital Reserve	250,000	250,000	0	0	0	500,000
LGL-001-16 CP Railway Cut - Shergar Claim	139 - Budget Stabilization Reserve	400,000	0	0	0	0	400,000
<b>Total for Department: Legal</b>		<b>650,000</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>900,000</b>
<b>Department: Planning &amp; Building</b>							
<b>Division: Development</b>							
PBG-001-14 Alley Closing Subsidy Pilot Program	169 - Pay As You Go - Capital Reserve	0	0	790,000	0	0	790,000
<b>Division: Policy &amp; Design</b>							
PBG-002-14 Ontario's Investment Ready Certified Sites Program	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	0
PLN-005-07 E-Plan & E-Permit Review and Implementation	169 - Pay As You Go - Capital Reserve	0	88,000	210,000	10,000	0	308,000
PLN-007-07 Growth Management Plan	169 - Pay As You Go - Capital Reserve	0	0	0	100,000	0	100,000
PLN-008-07 "Green Windsor" Land Acquisition and Funding Strategy	169 - Pay As You Go - Capital Reserve	0	0	0	80,000	0	80,000
PLN-010-07 Heritage Preservation Study/Incentives	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	0
PLN-017-07 BIA Assistance Program	169 - Pay As You Go - Capital Reserve	0	0	150,000	0	150,000	300,000

**City of Windsor**  
**Summary of Capital Budget by Funding Source**  
*For Budget Year 2016*

	<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
<b>Division: Urban Design</b>							
PLN-012-07 City Centre Community Development Planning	169 - Pay As You Go - Capital Reserve	0	0	0	0	0	0
PLN-018-07 Urban Design and Neighbourhood Studies	169 - Pay As You Go - Capital Reserve	0	0	0	100,000	100,000	200,000
PLN-021-07 City Hall Square and Civic Esplanade	139 - Budget Stabilization Reserve	150,000	0	0	0	0	150,000
PLN-021-07 City Hall Square and Civic Esplanade	169 - Pay As You Go - Capital Reserve	0	0	0	500,000	258,000	758,000
<b>Total for Department: Planning &amp; Building</b>		<b>150,000</b>	<b>88,000</b>	<b>1,150,000</b>	<b>790,000</b>	<b>508,000</b>	<b>2,686,000</b>
<b>Total for Service Area: Office of the City Solicitor (OCS)</b>		<b>1,085,000</b>	<b>503,000</b>	<b>1,465,000</b>	<b>855,000</b>	<b>543,000</b>	<b>4,451,000</b>

**City of Windsor**  
**Summary of Capital Budget by Funding Source**  
*For Budget Year 2016*

	<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
<b>Service Area: Transportation Services Office (TSO)</b>							
<b>Department: Transit Windsor</b>							
<b>Division: Administration - Transit Windsor</b>							
TRN-003-07 Customer Service Improvements - Bus Stops	127 - Dev Chg - Transit	20,000	20,000	20,000	20,000	20,000	<b>100,000</b>
TRN-004-07 Implementation of Transit Master Plan	169 - Pay As You Go - Capital Reserve	50,000	50,000	0	100,000	50,000	<b>250,000</b>
<b>Division: Transit Maintenance</b>							
TRN-001-07 Fleet Replacement	160 - Capital Expenditure Reserve	0	0	0	0	0	<b>0</b>
TRN-001-07 Fleet Replacement	169 - Pay As You Go - Capital Reserve	0	0	0	3,010,500	3,010,500	<b>6,021,000</b>
TRN-001-08 Smart Bus Technology/Intelligent Transportation System (ITS)	160 - Capital Expenditure Reserve	0	0	0	305,000	0	<b>305,000</b>
TRN-001-08 Smart Bus Technology/Intelligent Transportation System (ITS)	169 - Pay As You Go - Capital Reserve	0	0	0	195,000	0	<b>195,000</b>
TRN-001-15 Transit Windsor Buses - Enhanced Capital Placeholder (DRL)	169 - Pay As You Go - Capital Reserve	0	0	4,000,000	0	0	<b>4,000,000</b>
TRN-001-16 Fleet Refurbishment/Repair Costs	160 - Capital Expenditure Reserve	150,000	0	500,000	0	0	<b>650,000</b>
TRN-001-16 Fleet Refurbishment/Repair Costs	169 - Pay As You Go - Capital Reserve	321,000	500,000	0	500,000	500,000	<b>1,821,000</b>
TRN-002-08 Fleet Structural Repairs	160 - Capital Expenditure Reserve	300,000	600,000	0	0	0	<b>900,000</b>
TRN-002-08 Fleet Structural Repairs	169 - Pay As You Go - Capital Reserve	0	0	0	300,000	300,000	<b>600,000</b>
TRN-002-13 Fuel System Upgrade and Control Renovations	169 - Pay As You Go - Capital Reserve	0	0	0	100,000	0	<b>100,000</b>
TRN-005-07 Handi-Transit Bus Acquisitions	169 - Pay As You Go - Capital Reserve	480,000	0	0	480,000	240,000	<b>1,200,000</b>
<b>Total for Department: Transit Windsor</b>		<b>1,321,000</b>	<b>1,170,000</b>	<b>4,520,000</b>	<b>5,010,500</b>	<b>4,120,500</b>	<b>16,142,000</b>
<b>Department: Windsor Airport</b>							
<b>Division: Windsor-Airport</b>							
ECP-010-09 Airport Infrastructure - Asset Replacement	028 - Sewer Surcharge	0	0	200,000	0	0	<b>200,000</b>
ECP-010-09 Airport Infrastructure - Asset Replacement	169 - Pay As You Go - Capital Reserve	160,000	460,000	0	1,500,000	3,100,000	<b>5,220,000</b>
ECP-046-07 Windsor Airport Improvement - Asset Management	028 - Sewer Surcharge	500,000	340,000	100,000	0	0	<b>940,000</b>
ECP-046-07 Windsor Airport Improvement - Asset Management	160 - Capital Expenditure Reserve	150,000	100,000	0	345,000	380,000	<b>975,000</b>
ECP-046-07 Windsor Airport Improvement - Asset Management	169 - Pay As You Go - Capital Reserve	0	60,000	0	0	0	<b>60,000</b>
<b>Total for Department: Windsor Airport</b>		<b>810,000</b>	<b>960,000</b>	<b>300,000</b>	<b>1,845,000</b>	<b>3,480,000</b>	<b>7,395,000</b>
<b>Total for Service Area: Transportation Services Office (TSO)</b>		<b>2,131,000</b>	<b>2,130,000</b>	<b>4,820,000</b>	<b>6,855,500</b>	<b>7,600,500</b>	<b>23,537,000</b>

**City of Windsor**  
**Summary of Capital Budget by Funding Source**  
*For Budget Year 2016 (5-Year Capital Plan)*

<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
028 - Sewer Surcharge	<b>21,975,000</b>	<b>21,600,000</b>	<b>21,600,000</b>	<b>21,600,000</b>	<b>21,599,799</b>	<b>108,374,799</b>
115 - Dev Chg - Roads & Related	3,268,000	6,399,000	1,642,675	315,325	175,000	<b>11,800,000</b>
117 - Dev Chg - Storm & Drains	243,000	69,000	540,000	0	0	<b>852,000</b>
121 - Dev Chg - General	0	0	0	40,000	40,000	<b>80,000</b>
122 - Dev Chg - Library	100,000	100,000	175,000	175,000	150,000	<b>700,000</b>
125 - Dev Chg - Indoor Recreation	5,000	95,000	0	95,000	95,000	<b>290,000</b>
127 - Dev Chg - Transit	20,000	20,000	20,000	20,000	20,000	<b>100,000</b>
128 - Dev Chg - PW/Build/Equip/Fleet	40,000	0	0	0	0	<b>40,000</b>
<b>Total Development Charges Reserves</b>	<b>3,676,000</b>	<b>6,683,000</b>	<b>2,377,675</b>	<b>645,325</b>	<b>480,000</b>	<b>13,862,000</b>
7058 - Transfer From Reserve Account	200,000	0	0	0	0	<b>200,000</b>
131 - West Windsor PCP	2,550,000	2,150,000	700,000	1,350,000	750,000	<b>7,500,000</b>
132 - Little River PCP	2,030,000	2,270,000	645,000	2,755,000	675,000	<b>8,375,000</b>
133 - Pumping Stations	1,000,000	1,800,000	600,000	2,530,000	430,000	<b>6,360,000</b>
135 - Willistead Improvements	0	0	0	0	100,000	<b>100,000</b>
136 - Equipment Replacement	1,560,500	2,577,000	2,238,000	1,309,500	2,704,250	<b>10,389,250</b>
138 - Off Street Parking	362,000	362,000	232,000	200,000	550,000	<b>1,706,000</b>
139 - Budget Stabilization Reserve	550,000	0	0	0	0	<b>550,000</b>
151 - Land Acquisitions - O/T Highways	220,000	300,000	0	0	1,000,000	<b>1,520,000</b>
153 - Sewer Surcharge	1,200,000	0	0	0	0	<b>1,200,000</b>
163 - Fire Major Equipment	149,000	808,000	0	47,500	52,000	<b>1,056,500</b>
165 - Lakeview Park Marina	0	0	0	0	55,000	<b>55,000</b>
166 - Sports Field Improvements	200,000	0	0	0	0	<b>200,000</b>
170 - Pay As You Go - Leasing Reserve	50,000	0	0	50,000	0	<b>100,000</b>
183 - Police Fleet	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	<b>6,340,000</b>
195 - Police Equipment Reserve	1,040,000	755,000	680,000	520,000	500,000	<b>3,495,000</b>
198 - Pay As You Go Corporate Radios Reserve	3,430,235	15,000	15,000	15,000	15,000	<b>3,490,235</b>
<b>Total Other Reserves</b>	<b>15,809,735</b>	<b>12,305,000</b>	<b>6,378,000</b>	<b>10,045,000</b>	<b>8,099,250</b>	<b>52,636,985</b>
176 - Federal Gas Tax Rebate	<b>12,323,516</b>	<b>12,823,516</b>	<b>13,434,160</b>	<b>13,434,090</b>	<b>13,433,516</b>	<b>65,448,798</b>
160 - Capital Expenditure Reserve	<b>3,047,000</b>	<b>3,000,000</b>	<b>3,000,000</b>	<b>3,000,000</b>	<b>3,000,000</b>	<b>15,047,000</b>
169 - Pay As You Go - Capital Reserve	<b>18,083,400</b>	<b>12,915,100</b>	<b>33,743,925</b>	<b>51,554,555</b>	<b>51,554,484</b>	<b>167,851,464</b>
<b>Subtotal:</b>	<b>74,914,651</b>	<b>69,326,616</b>	<b>80,533,760</b>	<b>100,278,970</b>	<b>98,167,049</b>	<b>423,221,046</b>
<b>Total Excluding Subsidies/Recoveries:</b>	<b>74,914,651</b>	<b>69,326,616</b>	<b>80,533,760</b>	<b>100,278,970</b>	<b>98,167,049</b>	<b>423,221,046</b>

**City of Windsor**  
**Summary of Capital Budget by Funding Source**  
*For Budget Year 2016 (5-Year Capital Plan)*

<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
<b>Continued...</b>						
<b>Subsidies/Recoveries/Sales:</b>						
6320 - Canada Specific Grants	100,000	0	0	0	0	<b>100,000</b>
6340 - Net County Cost	25,000	0	734,000	673,409	0	<b>1,432,409</b>
6735 - Recovery Of Expenses	1,135,000	0	1,967,500	375,000	362,500	<b>3,840,000</b>
<b>Total Subsidies/Recoveries/Sales:</b>	<b>1,260,000</b>	<b>0</b>	<b>2,701,500</b>	<b>1,048,409</b>	<b>362,500</b>	<b>5,372,409</b>
<b>Total Capital Budget (5-Year Plan)</b>	<b>76,174,651</b>	<b>69,326,616</b>	<b>83,235,260</b>	<b>101,327,379</b>	<b>98,529,549</b>	<b>428,593,455</b>

## **2016 Approved Capital Budget**



### **Section E:**

## **Summary of Growth vs. Maintenance Related Projects (Gross Expenditure Level)**



# City of Windsor

## Summary of Growth vs. Maintenance Related Projects (Gross Expenditure Level)

For Budget Year 2016

	Maintenance/Growth	2016	2017	2018	2019	2020	Total
<b>Non-Tangible Capital Asset</b>							
Service Area: <b>Agencies, Boards &amp; Committees</b>							
Department: <b>Windsor Police Services</b>							
Division: <b>Administration - Police</b>							
POL-001-15 - WPS Containment Team	Growth	75,000	0	0	0	0	<b>75,000</b>
POL-002-14 - WPS Training Classroom Table Replacement	Maintenance	0	65,000	0	0	0	<b>65,000</b>
POL-003-14 - WPS Firearm Pistol Replacement	Maintenance	0	0	0	0	100,000	<b>100,000</b>
POL-003-15 - WPS Carbines	Growth	200,000	0	0	0	0	<b>200,000</b>
POL-004-16 - WPS Officer Personal Equipment	Maintenance	50,000	0	50,000	50,000	50,000	<b>200,000</b>
POL-005-16 - WPS Investigations Master Plan & Renovations	Maintenance	60,000	140,000	0	0	0	<b>200,000</b>
POL-007-14 - WPS Body Armour Replacement	Maintenance	75,000	125,000	220,000	155,000	0	<b>575,000</b>
POL-008-16 - WPS Covert Surveillance Equipment	Growth	0	0	0	100,000	0	<b>100,000</b>
POL-009-16 - WPS Internet Child Exploitation Program	Growth	0	0	0	100,000	0	<b>100,000</b>
POL-013-14 - WPS Tasers	Growth	125,000	0	200,000	0	0	<b>325,000</b>
<b>Total for Service Area: Agencies, Boards &amp; Committees</b>		<b>585,000</b>	<b>330,000</b>	<b>470,000</b>	<b>405,000</b>	<b>150,000</b>	<b>1,940,000</b>
<b>Growth Percent:</b>		<b>68.4%</b>	<b>0.0%</b>	<b>42.6%</b>	<b>49.4%</b>	<b>0.0%</b>	<b>41.2 %</b>
<b>Maintenance Percent:</b>		<b>31.6%</b>	<b>100.0%</b>	<b>57.4%</b>	<b>50.6%</b>	<b>100.0%</b>	<b>58.8 %</b>

Service Area: **City Council & Mayor's Office**

Department: **Mayor's Office**

Division: **Administration - Mayor's Office**

MAY-001-16 - Arts Endowment Placeholder	Growth	0	0	0	0	2,000,000	<b>2,000,000</b>
MAY-002-16 - Environmentally Significant Lands Acquisition Placeholder	Growth	0	0	0	0	1,500,000	<b>1,500,000</b>

<b>Total for Service Area: City Council &amp; Mayor's Office</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,500,000</b>	<b>3,500,000</b>
<b>Growth Percent:</b>		<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>100.0%</b>	<b>100.0 %</b>
<b>Maintenance Percent:</b>		<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0 %</b>

Service Area: **Community Development & Health Commissioner**

Department: **Housing & Children Services**

Division: **Housing Administration**

HCS-001-07 - Social Housing Reserve Fund	Maintenance	0	0	0	2,000,000	0	<b>2,000,000</b>
HCS-001-14 - Windsor Essex Community Housing Corporation (DRL) Placeholder	Maintenance	0	0	2,234,000	0	0	<b>2,234,000</b>

Department: **Huron Lodge**

Division: **Dietary**

# City of Windsor

## Summary of Growth vs. Maintenance Related Projects (Gross Expenditure Level)

For Budget Year 2016

	Maintenance/Growth	2016	2017	2018	2019	2020	Total
HLD-003-15 - Replacement of Dish Machines and Other Industrial Equipment	Maintenance	0	0	80,000	95,000	0	175,000
HLD-004-15 - Replacement of Refrigeration and Freezer Equipment	Maintenance	0	0	80,000	0	0	80,000
HLD-006-15 - Hardware and Software for Dietary	Growth	0	0	0	65,000	0	65,000
<b>Division: Nursing &amp; Personal Care</b>							
HLD-001-11 - Wireless Technology	Growth	0	0	0	78,000	0	78,000
HLD-002-15 - Resident Monitoring & Nurse Bedside Call System	Maintenance	0	0	100,000	25,000	0	125,000
<b>Division: Program Services</b>							
HLD-002-12 - Cooking and Food Preparation Equipment	Maintenance	0	0	40,000	40,000	0	80,000
<b>Department: Recreation &amp; Culture</b>							
<b>Division: Community Centres &amp; Programming</b>							
REC-004-07 - Recreation Facility Refurbishments	Maintenance	50,000	50,000	0	50,000	50,000	200,000
<b>Division: Cultural Affairs</b>							
REC-003-16 - Windsor & Canada Birthday Celebrations	Maintenance	40,000	85,000	0	0	0	125,000
<b>Division: Recreation Facilities</b>							
HCP-011-07 - Willistead Restoration Improvements Upgrade	Maintenance	0	0	0	0	100,000	100,000
<b>Total for Service Area: Community Development &amp; Health Commissioner</b>		<b>90,000</b>	<b>135,000</b>	<b>2,534,000</b>	<b>2,353,000</b>	<b>150,000</b>	<b>5,262,000</b>
<b>Growth Percent:</b>		<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>6.1%</b>	<b>0.0%</b>	<b>2.7 %</b>
<b>Maintenance Percent:</b>		<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>93.9%</b>	<b>100.0%</b>	<b>97.3 %</b>

Service Area: **Office of the CAO**

Department: **CAO's Office**

Division: **CAO's Office**

CAO-001-16 - University of Windsor Contribution	Growth	0	0	0	7,500,000	7,500,000	15,000,000
CAO-002-16 - AMO Conference Host Municipality	Growth	50,000	0	0	0	0	50,000

<b>Total for Service Area: Office of the CAO</b>		<b>50,000</b>	<b>0</b>	<b>0</b>	<b>7,500,000</b>	<b>7,500,000</b>	<b>15,050,000</b>
<b>Growth Percent:</b>		<b>100.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0 %</b>
<b>Maintenance Percent:</b>		<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0 %</b>

Service Area: **Office of the CFO**

Department: **Finance**

Division: **Administration - Finance**

FIN-006-16 - (Legislated) Liability for Contaminated Sites	Maintenance	200,000	0	0	0	0	200,000
FIN-009-15 - Capital Reserve Allocation	Growth	3,210,000	3,210,000	3,210,000	3,210,000	3,210,000	16,050,000

Division: **Asset Planning**

# City of Windsor

## Summary of Growth vs. Maintenance Related Projects (Gross Expenditure Level)

For Budget Year 2016

	Maintenance/Growth	2016	2017	2018	2019	2020	Total
FIN-003-14 - Engineering Study for Arenas	Maintenance	0	0	0	200,000	0	200,000
FIN-003-15 - Corporate Wide Facilities Lighting Sensors and Timers	Growth	0	0	55,000	0	5,000	60,000
FIN-006-15 - Transit Windsor Installation of NOx and CO Sensors	Maintenance	0	0	60,000	0	2,000	62,000
<b>Division: Financial Planning</b>							
FIN-001-14 - Development Charges Study and Bylaw Update	Growth	0	0	0	40,000	40,000	80,000
<b>Department: Information Technology</b>							
<b>Division: Administration - Info. Tech.</b>							
ITC-001-08 - Business Continuity	Growth	0	0	0	0	100,000	100,000
ITC-001-10 - Smart Community Initiative	Growth	0	0	0	200,000	200,000	400,000
ITC-007-07 - Intranet Redesign & Internet Improvements and Accessibility	Growth	0	0	0	850,000	0	850,000
<b>Division: Enterprise System Support</b>							
ITC-008-07 - ERP Sustainability	Growth	12,500	0	0	237,500	125,000	375,000
ITC-008-07 - ERP Sustainability	Maintenance	12,500	0	0	237,500	125,000	375,000
ITC-011-07 - AMANDA Projects	Growth	12,500	0	100,000	175,000	100,000	387,500
ITC-011-07 - AMANDA Projects	Maintenance	12,500	0	100,000	175,000	100,000	387,500
<b>Total for Service Area: Office of the CFO</b>		<b>3,460,000</b>	<b>3,210,000</b>	<b>3,525,000</b>	<b>5,325,000</b>	<b>4,007,000</b>	<b>19,527,000</b>
<b>Growth Percent:</b>		<b>93.5%</b>	<b>100.0%</b>	<b>95.5%</b>	<b>88.5%</b>	<b>94.3%</b>	<b>93.7 %</b>
<b>Maintenance Percent:</b>		<b>6.5%</b>	<b>0.0%</b>	<b>4.5%</b>	<b>11.5%</b>	<b>5.7%</b>	<b>6.3 %</b>

Service Area: **Office of the City Clerk**

Department: **Council Services**

Division: **Council Services Division**

CNS-001-07 - Records Management	Maintenance	50,000	50,000	0	0	0	100,000
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Department: **Human Resources**

Division: **Administration - Human Resources**

HRS-002-09 - AODA Implementation	Growth	0	18,750	0	0	16,250	35,000
HRS-002-09 - AODA Implementation	Maintenance	0	32,750	0	0	58,250	91,000
HRS-002-11 - Online Learning Programs	Growth	20,000	0	0	0	0	20,000

Division: **Organizational Develop & OH&S**

HRS-002-08 - Health and Safety Reserve	Maintenance	10,000	10,000	10,000	10,000	10,000	50,000
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Department: **Windsor Public Library**

Division: **Library**

WPL-001-14 - Mobile Unit/Materials Acquisition - DC Charge Request	Growth	100,000	100,000	175,000	175,000	150,000	700,000
WPL-009-11 - Library Branch Refurbishments	Maintenance	68,900	46,200	0	0	0	115,100

# City of Windsor

## Summary of Growth vs. Maintenance Related Projects (Gross Expenditure Level)

For Budget Year 2016

	Maintenance/Growth	2016	2017	2018	2019	2020	Total
<b>Total for Service Area: Office of the City Clerk</b>		<b>248,900</b>	<b>257,700</b>	<b>185,000</b>	<b>185,000</b>	<b>234,500</b>	<b>1,111,100</b>
<b>Growth Percent:</b>		<b>48.2%</b>	<b>46.1%</b>	<b>94.6%</b>	<b>94.6%</b>	<b>70.9%</b>	<b>68.0 %</b>
<b>Maintenance Percent:</b>		<b>51.8%</b>	<b>53.9%</b>	<b>5.4%</b>	<b>5.4%</b>	<b>29.1%</b>	<b>32.0 %</b>

Service Area: **Office of the City Engineer**

Department: **Engineering**

Division: **Development, Projects & Right of Way**

ECP-009-08 - Site Environment Assessments/Corporate Demolitions - various properties	Maintenance	0	0	0	0	200,000	<b>200,000</b>
ECP-012-07 - South Cameron/South Windsor Planning Districts	Growth	0	0	1,400,000	0	410,000	<b>1,810,000</b>
ECP-041-07 - New Infrastructure Development	Growth	100,000	100,000	0	100,000	0	<b>300,000</b>

Division: **Facility Operations**

ENG-004-16 - Key Control	Maintenance	100,000	150,000	150,000	150,000	50,000	<b>600,000</b>
HCP-001-07 - Accessibility - ODA Requirements	Growth	0	0	0	0	100,000	<b>100,000</b>
HCP-001-10 - Corporate Facility Backflow Prevention Program	Maintenance	0	100,000	0	0	200,000	<b>300,000</b>
HCP-002-09 - Fire Hall Capital Maintenance	Maintenance	59,500	150,000	150,000	150,000	150,000	<b>659,500</b>
HCP-005-08 - Corporate Facilities Paving Program	Maintenance	100,000	100,000	100,000	100,000	100,000	<b>500,000</b>
HCP-010-07 - Willistead Complex Capital Improvements	Maintenance	750,000	750,000	0	0	0	<b>1,500,000</b>
OPS-007-07 - Operations' Facilities Improvements	Maintenance	50,000	75,000	25,000	25,000	25,000	<b>200,000</b>
OPS-011-07 - Traffic Operations Facilities Upgrades	Maintenance	35,000	0	0	0	0	<b>35,000</b>
PFO-001-12 - Corporate Security Infrastructure Program	Growth	100,000	50,000	50,000	50,000	50,000	<b>300,000</b>
PFO-002-12 - Corporate Facility Maintenance Program	Maintenance	0	0	50,000	100,000	50,000	<b>200,000</b>
PFO-003-14 - Corporate Boiler Replacement Program	Maintenance	0	0	55,000	89,500	0	<b>144,500</b>
PFO-004-12 - Municipal Facilities Building Condition Assessments	Maintenance	0	0	0	50,000	50,000	<b>100,000</b>
PFO-004-14 - Facility Operations Business Process Improvements	Growth	0	0	0	0	50,000	<b>50,000</b>
PFO-009-11 - Corporate Heating & Cooling Replacement/Repair Program	Maintenance	205,000	190,000	450,000	500,000	500,000	<b>1,845,000</b>
PFO-010-11 - Flooring and Finishes Replacement Program	Maintenance	100,000	100,000	100,000	260,000	100,000	<b>660,000</b>
PFO-014-07 - Health & Safety	Maintenance	0	150,000	150,000	100,000	100,000	<b>500,000</b>
REC-005-07 - Municipal Arena Refurbishments	Maintenance	250,000	280,000	250,000	250,000	280,000	<b>1,310,000</b>
REC-006-07 - Mackenzie Hall	Maintenance	1,490,000	0	0	0	0	<b>1,490,000</b>

Division: **Infrastructure & Geomatics**

ECP-001-10 - Upper Little River Storm Water Facilities (Sandwich South Employment Lands)	Growth	0	0	300,000	0	0	<b>300,000</b>
ECP-004-08 - Municipal Drains	Maintenance	100,000	100,000	200,000	0	200,000	<b>600,000</b>
ECP-004-09 - Stormwater and Sanitary Master Plans	Growth	0	0	62,500	62,500	62,500	<b>187,500</b>
ECP-004-09 - Stormwater and Sanitary Master Plans	Maintenance	0	0	187,500	187,500	187,500	<b>562,500</b>
ECP-005-10 - Local Improvement Program - Road Rehabilitation	Growth	200,000	0	0	250,000	200,000	<b>650,000</b>
ECP-008-07 - Pedestrian Safety Improvements	Maintenance	0	0	0	100,000	0	<b>100,000</b>
ENG-007-16 - Flooding Abatement Measures	Maintenance	2,630,000	2,500,000	2,700,000	640,000	1,100,000	<b>9,570,000</b>

Division: **Pollution Control**

**City of Windsor**  
**Summary of Growth vs. Maintenance Related Projects (Gross Expenditure Level)**  
*For Budget Year 2016*

	<b>Maintenance/Growth</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
ENV-001-11 - Bio-solids Disposal Strategies	Growth	300,000	0	0	0	0	<b>300,000</b>
<b>Department: Parks</b>							
<b>Division: Forestry</b>							
PFO-004-10 - Tree Replacements – Jefferson Ave. Berm	Maintenance	130,000	0	0	0	0	<b>130,000</b>
PFO-007-11 - Tree Maintenance Backlog	Maintenance	210,000	250,000	710,000	500,000	500,000	<b>2,170,000</b>
PFO-010-07 - City Ash Tree Removals	Maintenance	150,000	0	0	0	0	<b>150,000</b>
<b>Division: Parks Operations</b>							
PFO-003-15 - Central Riverfront Implementation Plan (C.R.I.P.) Placeholder	Maintenance	0	0	2,300,000	0	0	<b>2,300,000</b>
PFO-011-12 - City Beautification & Gateways-Maintenance & Refurbishments	Maintenance	215,000	0	0	0	500,000	<b>715,000</b>
PFO-014-12 - Partnerships	Growth	25,000	25,000	0	25,000	25,000	<b>100,000</b>
<b>Department: Public Works Operations</b>							
<b>Division: Contracts, Field Services &amp; Maintenance</b>							
OPS-001-11 - Minor Alley Maintenance	Maintenance	100,000	100,000	0	100,000	100,000	<b>400,000</b>
OPS-002-10 - Gateway Corridor Enhancements	Maintenance	0	0	0	200,000	0	<b>200,000</b>
OPS-002-11 - Minor Road Rehabilitation	Maintenance	250,000	250,000	0	400,000	250,000	<b>1,150,000</b>
OPS-005-07 - Railway Lands Fencing	Growth	0	0	100,000	100,000	0	<b>200,000</b>
OPS-006-07 - At-Grade Railway Crossings	Maintenance	200,000	100,000	275,000	450,000	25,000	<b>1,050,000</b>
<b>Division: Fleet</b>							
OPS-002-16 - Fuel Site Automation	Maintenance	25,000	0	0	0	0	<b>25,000</b>
OPS-005-16 - FleetFocus Web Modules	Growth	60,000	0	0	0	0	<b>60,000</b>
<b>Division: Traffic Ops, Parking &amp; Trans. Planning</b>							
OPS-007-16 - Cabana Road - Pavement Markings	Maintenance	0	0	0	0	110,000	<b>110,000</b>
OPS-009-07 - Transportation Planning Environmental Study Reports (ESRs)	Growth	25,000	25,000	0	25,000	25,000	<b>100,000</b>
OPS-009-07 - Transportation Planning Environmental Study Reports (ESRs)	Maintenance	75,000	75,000	0	75,000	75,000	<b>300,000</b>
OPS-014-07 - Bikeways Development	Growth	200,000	400,000	500,000	600,000	600,000	<b>2,300,000</b>
OPS-021-07 - Traffic Calming	Growth	75,000	75,000	100,000	100,000	100,000	<b>450,000</b>
<b>Total for Service Area: Office of the City Engineer</b>		<b>8,309,500</b>	<b>6,095,000</b>	<b>10,365,000</b>	<b>5,739,500</b>	<b>6,475,000</b>	<b>36,984,000</b>
<b>Growth Percent:</b>		<b>13.1%</b>	<b>11.1%</b>	<b>24.2%</b>	<b>22.9%</b>	<b>25.1%</b>	<b>19.5 %</b>
<b>Maintenance Percent:</b>		<b>86.9%</b>	<b>88.9%</b>	<b>75.8%</b>	<b>77.1%</b>	<b>74.9%</b>	<b>80.5 %</b>

**Service Area: Office of the City Solicitor**

**Department: Fire & Rescue**

**Division: Fire Support Services**

FRS-001-16 - Corporate Radio Battery Refreshment	Maintenance	15,000	15,000	15,000	15,000	15,000	<b>75,000</b>
FRS-003-16 - Fire Prevention & Emergency Management Public Education Displays & Equipment	Maintenance	20,000	0	0	0	20,000	<b>40,000</b>

# City of Windsor

## Summary of Growth vs. Maintenance Related Projects (Gross Expenditure Level)

For Budget Year 2016

	Maintenance/Growth	2016	2017	2018	2019	2020	Total
<b>Department: Legal</b>							
Division: <b>Legal, Real Estate &amp; Risk Mgmt</b>							
LGL-001-16 - CP Railway Cut - Shergar Claim	Maintenance	400,000	0	0	0	0	400,000
<b>Department: Planning &amp; Building</b>							
Division: <b>Development</b>							
PBG-001-14 - Alley Closing Subsidy Pilot Program	Maintenance	0	0	790,000	0	0	790,000
Division: <b>Policy &amp; Design</b>							
PLN-005-07 - E-Plan & E-Permit Review and Implementation	Maintenance	0	88,000	210,000	10,000	0	308,000
PLN-007-07 - Growth Management Plan	Growth	0	0	0	100,000	0	100,000
PLN-008-07 - "Green Windsor" Land Acquisition and Funding Strategy	Growth	0	0	0	80,000	0	80,000
PLN-017-07 - BIA Assistance Program	Growth	0	0	37,000	0	37,000	74,000
PLN-017-07 - BIA Assistance Program	Maintenance	0	0	113,000	0	113,000	226,000
Division: <b>Urban Design</b>							
PLN-018-07 - Urban Design and Neighbourhood Studies	Growth	0	0	0	25,000	25,000	50,000
PLN-018-07 - Urban Design and Neighbourhood Studies	Maintenance	0	0	0	75,000	75,000	150,000
<b>Total for Service Area: Office of the City Solicitor</b>		<b>435,000</b>	<b>103,000</b>	<b>1,165,000</b>	<b>305,000</b>	<b>285,000</b>	<b>2,293,000</b>
<b>Growth Percent:</b>		<b>0.0%</b>	<b>0.0%</b>	<b>3.2%</b>	<b>67.2%</b>	<b>21.8%</b>	<b>13.3 %</b>
<b>Maintenance Percent:</b>		<b>100.0%</b>	<b>100.0%</b>	<b>96.8%</b>	<b>32.8%</b>	<b>78.2%</b>	<b>86.7 %</b>

### Service Area: **Transportation Services Office**

#### Department: **Transit Windsor**

##### Division: **Administration - Transit Windsor**

TRN-003-07 - Customer Service Improvements - Bus Stops	Maintenance	20,000	20,000	20,000	20,000	20,000	100,000
TRN-004-07 - Implementation of Transit Master Plan	Growth	12,500	12,500	0	0	50,000	75,000
TRN-004-07 - Implementation of Transit Master Plan	Maintenance	37,500	37,500	0	100,000	0	175,000

##### Division: **Transit Maintenance**

TRN-002-08 - Fleet Structural Repairs	Maintenance	300,000	600,000	0	300,000	300,000	1,500,000
TRN-002-13 - Fuel System Upgrade and Control Renovations	Maintenance	0	0	0	100,000	0	100,000
TRN-005-07 - Handi-Transit Bus Acquisitions	Growth	480,000	0	0	480,000	240,000	1,200,000

#### Department: **Windsor Airport**

##### Division: **Windsor-Airport**

ECP-046-07 - Windsor Airport Improvement - Asset Management	Maintenance	650,000	500,000	100,000	345,000	380,000	1,975,000
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**City of Windsor**  
**Summary of Growth vs. Maintenance Related Projects (Gross Expenditure Level)**  
*For Budget Year 2016*

	Maintenance/Growth	2016	2017	2018	2019	2020	Total
<b>Total for Service Area: Transportation Services Office</b>		<b>1,500,000</b>	<b>1,170,000</b>	<b>120,000</b>	<b>1,345,000</b>	<b>990,000</b>	<b>5,125,000</b>
<b>Growth Percent:</b>		<b>32.8%</b>	<b>1.1%</b>	<b>0.0%</b>	<b>35.7%</b>	<b>29.3%</b>	<b>24.9 %</b>
<b>Maintenance Percent:</b>		<b>67.2%</b>	<b>98.9%</b>	<b>100.0%</b>	<b>64.3%</b>	<b>70.7%</b>	<b>75.1 %</b>
<b>Total for: Non-Tangible Capital Asset</b>		<b>14,678,400</b>	<b>11,300,700</b>	<b>18,364,000</b>	<b>23,157,500</b>	<b>23,291,500</b>	<b>90,792,100</b>
<b>Growth Percent:</b>		<b>36.7%</b>	<b>35.5%</b>	<b>34.2%</b>	<b>63.6%</b>	<b>72.6%</b>	<b>52.1%</b>
<b>Maintenance Percent:</b>		<b>63.3%</b>	<b>64.5%</b>	<b>65.8%</b>	<b>36.4%</b>	<b>27.4%</b>	<b>47.9%</b>

**Tangible Capital Asset**

Service Area: **Agencies, Boards & Committees**

Department: **Windsor Police Services**

Division: **Administration - Police**

POL-001-09 - Police Fleet Replacement/Refurbishment	Maintenance	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	<b>6,340,000</b>
POL-001-11 - Collision Reporting & Operational Support Centre	Growth	0	0	200,000	0	0	<b>200,000</b>
POL-001-16 - WPS E911 Voicelogger	Maintenance	0	0	0	0	150,000	<b>150,000</b>
POL-002-15 - WPS Next Generation 911	Growth	0	0	150,000	50,000	50,000	<b>250,000</b>
POL-002-16 - WPS Backup E911 Centre Upgrades	Maintenance	0	0	0	0	100,000	<b>100,000</b>
POL-003-16 - WPS Microsoft Software Upgrades	Maintenance	100,000	75,000	0	0	0	<b>175,000</b>
POL-004-15 - WPS Covert Technology Enhancements	Maintenance	0	100,000	100,000	0	0	<b>200,000</b>
POL-005-14 - WPS E911 Centre Workstation Replacements	Maintenance	0	0	0	0	50,000	<b>50,000</b>
POL-005-15 - WPS Use of Force Simulator	Growth	80,000	0	0	0	0	<b>80,000</b>
POL-006-13 - Police Communications Closets-Network Infrastructure Refresh	Maintenance	0	0	0	150,000	0	<b>150,000</b>
POL-006-14 - WPS Bell 911 Voice Upgrade	Maintenance	0	200,000	0	0	0	<b>200,000</b>
POL-006-16 - WPS Marine Dock Safety & Asset Protection	Maintenance	75,000	0	0	0	0	<b>75,000</b>
POL-007-16 - WPS Crime Scene Scanner Technology	Growth	0	0	180,000	0	0	<b>180,000</b>
POL-009-14 - WPS Workspace Ergonomic & Efficiency Reconfigurations	Maintenance	200,000	0	0	0	0	<b>200,000</b>
POL-010-16 - WPS CIU Mobile Technology	Growth	0	0	0	70,000	0	<b>70,000</b>
POL-011-16 - WPS Mobile Occurrence & Scene Documentation Application	Growth	0	0	0	150,000	0	<b>150,000</b>
POL-014-16 - WPS Secure HQ Wireless Network	Growth	0	50,000	0	0	0	<b>50,000</b>

<b>Total for Service Area: Agencies, Boards &amp; Committees</b>		<b>1,723,000</b>	<b>1,693,000</b>	<b>1,898,000</b>	<b>1,688,000</b>	<b>1,618,000</b>	<b>8,620,000</b>
<b>Growth Percent:</b>		<b>4.6%</b>	<b>3.0%</b>	<b>27.9%</b>	<b>16.0%</b>	<b>3.1%</b>	<b>11.4 %</b>
<b>Maintenance Percent:</b>		<b>95.4%</b>	<b>97.0%</b>	<b>72.1%</b>	<b>84.0%</b>	<b>96.9%</b>	<b>88.6 %</b>

Service Area: **Community Development & Health Commissioner**

Department: **Huron Lodge**

Division: **Nursing & Personal Care**

# City of Windsor

## Summary of Growth vs. Maintenance Related Projects (Gross Expenditure Level)

For Budget Year 2016

	Maintenance/Growth	2016	2017	2018	2019	2020	Total
HLD-001-12 - Huron Lodge Nursing Requirements	Maintenance	0	0	0	150,000	150,000	300,000
HLD-001-15 - Ceiling Lift Replacement Program	Maintenance	0	0	0	115,000	200,000	315,000
<b>Division: Program Services</b>							
HLD-001-13 - Resident & Home Area Beds/Mattresses and Furniture	Maintenance	0	0	0	250,000	100,000	350,000
<b>Department: Recreation &amp; Culture</b>							
<b>Division: Admin - Parks &amp; Recreation</b>							
REC-001-15 - Recreation Software CLASS System Project	Maintenance	200,000	0	0	0	0	200,000
<b>Division: Community Centres &amp; Programming</b>							
REC-003-07 - Refurbishment of Municipal Pools	Maintenance	0	100,000	0	100,000	100,000	300,000
<b>Division: Recreation Facilities</b>							
REC-002-07 - Lakeview Park Marina Upgrades	Maintenance	0	0	0	0	55,000	55,000
REC-002-16 - Lakeview Park Marina Fuel Tanks	Growth	300,000	0	0	0	0	300,000
REC-003-14 - East Windsor Community Pool	Growth	0	0	0	2,250,000	0	2,250,000
REC-005-16 - Family Change Room @ Gino Marcus Placeholder	Growth	0	0	0	0	1,100,000	1,100,000
<b>Total for Service Area: Community Development &amp; Health Commissioner</b>		<b>500,000</b>	<b>100,000</b>	<b>0</b>	<b>2,865,000</b>	<b>1,705,000</b>	<b>5,170,000</b>
<b>Growth Percent:</b>		<b>60.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>78.5%</b>	<b>64.5%</b>	<b>70.6 %</b>
<b>Maintenance Percent:</b>		<b>40.0%</b>	<b>100.0%</b>	<b>0.0%</b>	<b>21.5%</b>	<b>35.5%</b>	<b>29.4 %</b>

### Service Area: Office of the CFO

#### Department: Finance

##### Division: Asset Planning

FIN-002-15 - Corporate Wide Facilities LED Lighting Conversion	Maintenance	0	0	0	1,200,000	0	1,200,000
FIN-005-15 - Little River Pollution Control Plant Energy Efficiency Measures Implementation	Maintenance	0	0	0	0	150,000	150,000

##### Division: Financial Planning

FIN-007-16 - Ward Funds Placeholder	Maintenance	0	0	0	0	400,000	400,000
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##### Division: Taxation & Financial Projects

FIN-005-16 - Tax Payment Automation - Cheque Scanner	Growth	50,000	0	0	0	0	50,000
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#### Department: Information Technology

##### Division: Administration - Info. Tech.

ITC-001-13 - Mobility Integration Placeholder	Growth	0	0	0	500,000	0	500,000
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##### Division: End User Management

ITC-001-09 - Video Communication	Growth	0	0	0	0	200,000	200,000
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##### Division: Project Management & Applications

ITC-002-16 - Corporate Radio Infrastructure	Growth	1,707,617	0	0	0	0	1,707,617
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# City of Windsor

## Summary of Growth vs. Maintenance Related Projects (Gross Expenditure Level)

For Budget Year 2016

	<b>Maintenance/Growth</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
ITC-002-16 - Corporate Radio Infrastructure	Maintenance	1,707,618	0	0	0	0	1,707,618
<b>Division: Technology Infrastructure</b>							
ITC-002-07 - Reliable Electronic Storage	Growth	0	100,000	100,000	150,000	150,000	500,000
ITC-003-07 - Network Infrastructure	Growth	0	0	98,859	98,859	120,000	317,718
ITC-003-07 - Network Infrastructure	Maintenance	0	100,000	101,141	101,141	110,000	412,282
ITC-005-07 - Security	Growth	0	50,000	50,000	50,000	50,000	200,000
ITC-005-07 - Security	Maintenance	60,000	50,000	50,000	50,000	50,000	260,000
ITC-006-07 - Disaster Recovery	Growth	0	50,000	50,000	75,000	50,000	225,000
ITC-006-07 - Disaster Recovery	Maintenance	0	50,000	100,000	75,000	50,000	275,000
ITC-012-07 - Replace/Upgrade Corporate Telephone Systems	Growth	60,000	60,000	60,000	45,000	60,000	285,000
ITC-012-07 - Replace/Upgrade Corporate Telephone Systems	Maintenance	140,000	140,000	140,000	105,000	140,000	665,000
<b>Total for Service Area: Office of the CFO</b>		<b>3,725,235</b>	<b>600,000</b>	<b>750,000</b>	<b>2,450,000</b>	<b>1,530,000</b>	<b>9,055,235</b>
<b>Growth Percent:</b>		<b>48.8%</b>	<b>43.3%</b>	<b>47.8%</b>	<b>37.5%</b>	<b>41.2%</b>	<b>44.0 %</b>
<b>Maintenance Percent:</b>		<b>51.2%</b>	<b>56.7%</b>	<b>52.2%</b>	<b>62.5%</b>	<b>58.8%</b>	<b>56.0 %</b>

**Service Area: Office of the City Clerk**

**Department: Council Services**

**Division: Communications & Cust. Service**

CCS-001-11 - 311/211 Call Centre Phone Upgrade	Maintenance	0	0	0	200,000	0	200,000
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**Department: Windsor Public Library**

**Division: Library**

WPL-004-11 - Materials Automation Systems Upgrade	Growth	0	0	0	1,050,000	0	1,050,000
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<b>Total for Service Area: Office of the City Clerk</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>1,250,000</b>	<b>0</b>	<b>1,250,000</b>
<b>Growth Percent:</b>		<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>84.0%</b>	<b>0.0%</b>	<b>84.0 %</b>
<b>Maintenance Percent:</b>		<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>16.0%</b>	<b>0.0%</b>	<b>16.0 %</b>

**Service Area: Office of the City Engineer**

**Department: Engineering**

**Division: Development, Projects & Right of Way**

ECP-001-13 - New Fire Hall Station #6 & Emergency Operations Centre (EOC)	Growth	636,516	636,516	1,247,160	2,448,064	0	4,968,256
ECP-014-07 - Streetscape Improvements	Maintenance	0	0	0	0	350,000	350,000
ENG-002-14 - Festival Plaza Retaining Wall	Maintenance	0	0	0	1,350,000	0	1,350,000
ENG-009-16 - North Talbot EA/Engineering and Southwood Lakes Entr. Reconstr'n Placeholder	Growth	0	0	0	0	200,000	200,000
ENG-009-16 - North Talbot EA/Engineering and Southwood Lakes Entr. Reconstr'n Placeholder	Maintenance	0	0	0	0	400,000	400,000

**City of Windsor**  
**Summary of Growth vs. Maintenance Related Projects (Gross Expenditure Level)**  
*For Budget Year 2016*

	<b>Maintenance/Growth</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
<b>Division: Facility Operations</b>							
ENG-006-16 - Peace Fountain Capital Repairs	Maintenance	100,000	100,000	0	0	0	<b>200,000</b>
ENG-008-16 - 400 CHS Building Reconfiguration	Maintenance	0	0	0	38,000	275,000	<b>313,000</b>
ENG-010-15 - Art Gallery Acquisition	Growth	3,333,000	0	0	0	0	<b>3,333,000</b>
HCP-002-07 - Roof Replacement	Maintenance	456,000	1,300,400	471,100	428,900	1,330,500	<b>3,986,900</b>
PFO-001-15 - Huron Lodge - Equipment Replacement	Maintenance	18,000	0	0	60,000	175,000	<b>253,000</b>
PFO-002-14 - Huron Lodge Facility Improvements	Maintenance	250,000	250,000	0	0	0	<b>500,000</b>
PFO-003-11 - Designated Substance Remediation	Maintenance	0	100,000	100,000	100,000	0	<b>300,000</b>
PFO-003-13 - Art Gallery Capital Costs - 401 Riverside West	Growth	0	0	1,780,000	125,000	125,000	<b>2,030,000</b>
REC-004-08 - The WFCU Centre	Maintenance	340,000	430,000	0	200,000	30,000	<b>1,000,000</b>
<b>Division: Infrastructure &amp; Geomatics</b>							
ECP-001-07 - Various Street Lighting Citywide	Maintenance	340,000	520,000	700,000	520,000	120,000	<b>2,200,000</b>
ECP-001-16 - New City Hall Additional Funding Placeholder	Growth	0	0	0	2,500,000	0	<b>2,500,000</b>
ECP-002-08 - Provincial/Division Corridor Improvements	Growth	3,069,000	2,000,000	0	2,000,000	1,850,000	<b>8,919,000</b>
ECP-002-10 - Banwell Road Improvements	Growth	0	0	0	0	1,000,000	<b>1,000,000</b>
ECP-003-08 - Howard Avenue South Corridor Improvements	Growth	0	0	0	0	175,000	<b>175,000</b>
ECP-003-08 - Howard Avenue South Corridor Improvements	Maintenance	0	0	0	0	175,000	<b>175,000</b>
ECP-003-09 - Cabana Road Improvements	Growth	1,806,000	3,234,000	2,030,000	1,915,162	3,159,837	<b>12,144,999</b>
ECP-003-09 - Cabana Road Improvements	Maintenance	1,806,000	3,234,000	2,030,000	1,915,163	3,159,837	<b>12,145,000</b>
ECP-005-08 - Grand Marais Drain Improvements (Concrete Channel)	Maintenance	250,000	0	0	0	0	<b>250,000</b>
ECP-007-07 - Local Improvement Program	Growth	0	260,000	540,000	1,000,000	1,744,800	<b>3,544,800</b>
ECP-009-07 - Citywide Intersection/Roadway Improvements	Growth	0	0	0	470,000	500,000	<b>970,000</b>
ECP-016-07 - The Riverside Drive Vista Improvement	Growth	812,500	0	0	300,000	4,160,000	<b>5,272,500</b>
ECP-016-07 - The Riverside Drive Vista Improvement	Maintenance	2,437,500	0	0	0	0	<b>2,437,500</b>
ECP-017-07 - Local Improvements Sanitary Sewer Program	Growth	1,560,000	0	2,000,000	0	0	<b>3,560,000</b>
ECP-022-07 - Prince Road/Totten Street Storm Sewer Improvements	Maintenance	0	0	125,000	0	80,000	<b>205,000</b>
ECP-023-07 - Parent/McDougall Storm Relief Sewer	Growth	0	0	125,000	0	0	<b>125,000</b>
ECP-023-07 - Parent/McDougall Storm Relief Sewer	Maintenance	0	0	125,000	0	0	<b>125,000</b>
ECP-027-07 - Lennon Drain Improvements	Maintenance	1,850,000	0	0	0	0	<b>1,850,000</b>
ECP-028-07 - Grand Marais Drain Improvements (Existing Naturalized Channel)	Maintenance	0	0	0	2,100,000	0	<b>2,100,000</b>
ECP-034-07 - Grove/Campbell/McKay Storm Sewers	Maintenance	0	2,000,000	125,000	0	3,670,000	<b>5,795,000</b>
ECP-035-07 - Citywide Sewer Rehabilitation Program	Growth	3,125,000	3,285,000	3,900,000	4,102,500	4,230,325	<b>18,642,825</b>
ECP-035-07 - Citywide Sewer Rehabilitation Program	Maintenance	9,375,000	10,875,000	11,100,000	12,307,500	8,250,000	<b>51,907,500</b>
EIT-001-11 - Local Improvement - Street Lighting	Growth	100,000	0	0	100,000	0	<b>200,000</b>
ENG-001-13 - Little River Steel Retaining Walls	Maintenance	500,000	1,000,000	500,000	0	1,000,000	<b>3,000,000</b>
ENG-002-12 - Local Improvement Program - Sidewalks	Growth	0	0	0	50,000	0	<b>50,000</b>
ENG-002-16 - Little River Corridor Improvements (Lauzon Rd. to VIA Tracks)	Maintenance	0	0	0	0	100,000	<b>100,000</b>
ENG-003-13 - Baseline/6th Concession Drain Improvements	Maintenance	0	0	150,000	200,000	500,000	<b>850,000</b>
ENG-004-14 - New Sidewalks on Collectors and Arterials	Growth	0	0	0	200,000	200,000	<b>400,000</b>
ENG-008-15 - Strabane Ave. Sanitary Sewer Improvement - WUC Discharge	Maintenance	900,000	0	0	0	0	<b>900,000</b>

# City of Windsor

## Summary of Growth vs. Maintenance Related Projects (Gross Expenditure Level)

*For Budget Year 2016*

	<b>Maintenance/Growth</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>Total</b>
ENG-009-15 - Twin Oaks Railway Spur Line to C.S.Wind Facility	Growth	2,275,000	0	0	0	0	<b>2,275,000</b>
<b>Division: Pollution Control</b>							
ENV-001-08 - Lou Romano Water Reclamation Plant	Maintenance	2,250,000	2,150,000	700,000	1,350,000	750,000	<b>7,200,000</b>
ENV-002-08 - Little River Pollution Control Plant	Maintenance	2,030,000	2,270,000	645,000	2,755,000	525,000	<b>8,225,000</b>
ENV-003-08 - Pumping Stations	Maintenance	400,000	1,200,000	200,000	2,030,000	430,000	<b>4,260,000</b>
ENV-008-10 - Southwood Lakes Shoreline Restoration	Maintenance	600,000	600,000	400,000	500,000	0	<b>2,100,000</b>
<b>Department: Parks</b>							
<b>Division: Parks Operations</b>							
PFO-001-14 - Central Riverfront	Growth	0	0	0	1,500,000	250,000	<b>1,750,000</b>
PFO-001-14 - Central Riverfront	Maintenance	0	0	0	1,500,000	250,000	<b>1,750,000</b>
PFO-002-15 - Accessible Playgrounds Citywide	Maintenance	0	0	2,000,000	0	0	<b>2,000,000</b>
PFO-002-16 - Splash Pad - Realtor Park Placeholder	Growth	0	0	0	0	500,000	<b>500,000</b>
PFO-005-12 - Regional Parks	Maintenance	220,000	500,000	500,000	500,000	0	<b>1,720,000</b>
PFO-006-12 - Community Parks	Maintenance	577,000	250,000	0	500,000	500,000	<b>1,827,000</b>
PFO-007-12 - Neighbourhood Parks	Maintenance	250,000	250,000	0	500,000	500,000	<b>1,500,000</b>
PFO-008-12 - New Parks	Growth	0	300,000	0	0	0	<b>300,000</b>
PFO-009-12 - Structures	Maintenance	50,000	50,000	0	100,000	100,000	<b>300,000</b>
PFO-012-12 - Trails	Maintenance	200,000	200,000	0	200,000	200,000	<b>800,000</b>
PFO-013-12 - Parking Lots	Maintenance	0	0	0	1,000,000	500,000	<b>1,500,000</b>
PFO-017-12 - Equipment Removal	Maintenance	150,000	100,000	0	100,000	0	<b>350,000</b>
<b>Department: Public Works Operations</b>							
<b>Division: Contracts, Field Services &amp; Maintenance</b>							
OPS-001-07 - Citywide Road Rehabilitation	Maintenance	7,787,000	7,787,000	8,887,000	9,634,090	8,897,000	<b>42,992,090</b>
OPS-002-14 - Enhanced Capital Road Rehabilitation Placeholder	Maintenance	0	0	5,489,000	0	0	<b>5,489,000</b>
OPS-003-07 - Bridge Rehabilitation	Maintenance	4,000,000	4,000,000	2,500,000	3,200,000	3,000,000	<b>16,700,000</b>
OPS-004-07 - Sidewalk Rehabilitation	Maintenance	500,000	500,000	0	500,000	500,000	<b>2,000,000</b>
OPS-004-16 - Rail Crossing Safety Assessments	Maintenance	300,000	0	0	0	0	<b>300,000</b>
OPS-008-16 - Devon Dr. Reconstr'n - South Service Rd. to Sydney Placeholder	Maintenance	0	0	0	0	1,500,000	<b>1,500,000</b>
OPS-009-16 - North Service Road Reconstruction Placeholder	Maintenance	0	0	0	0	2,100,000	<b>2,100,000</b>
OPS-010-16 - Wyandotte St. Mill/Pave - Watson to Riverdale Placeholder	Maintenance	0	0	0	0	300,000	<b>300,000</b>
<b>Division: Fleet</b>							
FRS-001-07 - Fire First Response Vehicle Replacement	Maintenance	149,000	658,000	0	47,500	52,000	<b>906,500</b>
OPS-001-15 - Replacement of Parks Equipment	Maintenance	702,000	544,000	584,000	200,000	748,000	<b>2,778,000</b>
OPS-005-08 - Fleet Replacements	Maintenance	1,560,500	2,577,000	2,238,000	1,309,500	2,704,250	<b>10,389,250</b>
OPS-022-07 - Purchase of Additional Fleet Equipment	Growth	40,000	0	0	0	0	<b>40,000</b>
<b>Division: Traffic Ops, Parking &amp; Trans. Planning</b>							
OPS-001-10 - LED Signal Replacement	Maintenance	50,000	250,000	0	250,000	300,000	<b>850,000</b>

# City of Windsor

## Summary of Growth vs. Maintenance Related Projects (Gross Expenditure Level)

*For Budget Year 2016*

	Maintenance/Growth	2016	2017	2018	2019	2020	Total
OPS-001-13 - Parking Equipment Replacement	Maintenance	62,000	62,000	32,000	50,000	50,000	256,000
OPS-002-09 - Video Detection/Infrastructure Upgrade	Growth	0	500,000	0	500,000	400,000	1,400,000
OPS-003-14 - University Avenue Complete St. - Huron Church Rd. to McDougall Ave. Placeholder	Maintenance	0	0	5,000,000	0	0	5,000,000
OPS-010-07 - Traffic Signal System Upgrade	Maintenance	200,000	200,000	600,000	600,000	600,000	2,200,000
OPS-012-07 - Traffic Signals Improvements	Maintenance	300,000	300,000	200,000	200,000	300,000	1,300,000
OPS-018-07 - Parking Garages Improvements	Maintenance	300,000	300,000	200,000	200,000	400,000	1,400,000
OPS-020-07 - Parking Lot Rehabilitation	Maintenance	0	0	0	200,000	200,000	400,000
<b>Total for Service Area: Office of the City Engineer</b>		<b>58,017,016</b>	<b>54,772,916</b>	<b>57,223,260</b>	<b>63,856,379</b>	<b>63,516,549</b>	<b>297,386,120</b>
<b>Growth Percent:</b>		<b>28.9%</b>	<b>18.7%</b>	<b>20.3%</b>	<b>27.0%</b>	<b>29.1%</b>	<b>25.0 %</b>
<b>Maintenance Percent:</b>		<b>71.1%</b>	<b>81.3%</b>	<b>79.7%</b>	<b>73.0%</b>	<b>70.9%</b>	<b>75.0 %</b>

**Service Area: Office of the City Solicitor**

**Department: Fire & Rescue**

**Division: Fire Operations**

FRS-004-16 - Fire Apparatus Computers      Growth      0      150,000      0      0      0      150,000

**Division: Fire Support Services**

FRS-002-07 - Crisis System      Maintenance      50,000      0      0      50,000      0      100,000

FRS-004-07 - Breathing Apparatus Cylinders/Packs      Maintenance      200,000      0      300,000      0      0      500,000

**Department: Legal**

**Division: Legal, Real Estate & Risk Mgmt**

ENG-005-16 - 2437 Howard Avenue Improvements Placeholder      Maintenance      250,000      250,000      0      0      0      500,000

**Department: Planning & Building**

**Division: Urban Design**

PLN-021-07 - City Hall Square and Civic Esplanade      Maintenance      150,000      0      0      500,000      258,000      908,000

<b>Total for Service Area: Office of the City Solicitor</b>		<b>650,000</b>	<b>400,000</b>	<b>300,000</b>	<b>550,000</b>	<b>258,000</b>	<b>2,158,000</b>
<b>Growth Percent:</b>		<b>0.0%</b>	<b>37.5%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>7.0 %</b>
<b>Maintenance Percent:</b>		<b>100.0%</b>	<b>62.5%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>93.0 %</b>

**Service Area: Transportation Services Office**

**Department: Transit Windsor**

**Division: Transit Maintenance**

TRN-001-07 - Fleet Replacement      Maintenance      0      0      0      3,010,500      3,010,500      6,021,000

TRN-001-08 - Smart Bus Technology/Intelligent Transportation System (ITS)      Maintenance      0      0      0      500,000      0      500,000

TRN-001-15 - Transit Windsor Buses - Enhanced Capital Placeholder (DRL)      Maintenance      0      0      4,000,000      0      0      4,000,000

# City of Windsor

## Summary of Growth vs. Maintenance Related Projects (Gross Expenditure Level)

For Budget Year 2016

	Maintenance/Growth	2016	2017	2018	2019	2020	Total
TRN-001-16 - Fleet Refurbishment/Repair Costs	Maintenance	471,000	500,000	500,000	500,000	500,000	2,471,000
Department: <b>Windsor Airport</b>							
Division: <b>Windsor-Airport</b>							
ECP-010-09 - Airport Infrastructure - Asset Replacement	Maintenance	160,000	460,000	200,000	1,500,000	3,100,000	5,420,000
<b>Total for Service Area: Transportation Services Office</b>		<b>631,000</b>	<b>960,000</b>	<b>4,700,000</b>	<b>5,510,500</b>	<b>6,610,500</b>	<b>18,412,000</b>
<b>Growth Percent:</b>		<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0 %</b>
<b>Maintenance Percent:</b>		<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0 %</b>
<b>Total for: Tangible Capital Asset</b>		<b>65,246,251</b>	<b>58,525,916</b>	<b>64,871,260</b>	<b>78,169,879</b>	<b>75,238,049</b>	<b>342,051,355</b>
<b>Growth Percent:</b>		<b>29.1%</b>	<b>18.2%</b>	<b>19.3%</b>	<b>27.8%</b>	<b>26.9%</b>	<b>24.6%</b>
<b>Maintenance Percent:</b>		<b>70.9%</b>	<b>81.8%</b>	<b>80.7%</b>	<b>72.2%</b>	<b>73.1%</b>	<b>75.4%</b>
<b>Total Growth for Non-Tangible and Tangible Capital Asset:</b>		<b>24,337,133</b>	<b>14,691,766</b>	<b>18,800,519</b>	<b>36,427,585</b>	<b>37,195,712</b>	<b>131,452,715</b>
<b>Growth Percentage:</b>		<b>30.5%</b>	<b>21.0%</b>	<b>22.6%</b>	<b>36.0%</b>	<b>37.8%</b>	<b>30.4%</b>
<b>Total Maintenance for Non-Tangible and Tangible Capital Asset:</b>		<b>55,587,518</b>	<b>55,134,850</b>	<b>64,434,741</b>	<b>64,899,794</b>	<b>61,333,837</b>	<b>301,390,740</b>
<b>Maintenance Percentage:</b>		<b>69.5%</b>	<b>79.0%</b>	<b>77.4%</b>	<b>64.0%</b>	<b>62.2%</b>	<b>69.6%</b>
<b>Grand Total for Non-Tangible and Tangible Capital Asset</b>		<b>79,924,651</b>	<b>69,826,616</b>	<b>83,235,260</b>	<b>101,327,379</b>	<b>98,529,549</b>	<b>432,843,455</b>

# **2016 Approved Capital Budget**



## **Section F: Capital Project Summaries**

**Agencies & Boards**



# Project Summary

<b>Project #</b>	POL-001-09	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	Police Fleet Replacement/Refurbishment		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>																																																																																																																	
The Police Fleet reserve has been created as per CR162/2008 dated April 14, 2008 to fund future replacement of police vehicles. Funding for this reserve will come as a transfer from Police's operating budget on an annual basis.				The fleet replacement schedule was approved by the Windsor Police Services Board on Jan. 24, 2014.																																																																																																																	
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2009	January 01, 2015	Growth:0.0% Maintenance:100.0%		Al Frederick				Ongoing																																																																																																													



## Project Summary

<b>Project #</b>	POL-001-11	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	Collision Reporting & Operational Support Centre		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	Ward 9		
<b>Version Name</b>	Main (Active)		

<p><b>Project Description</b></p> <p>This project, based largely on a previously approved business case, is part of a modernized combined facility featuring an expanded Collision Reporting Centre (CRC), short term towed vehicle storage yard, secure storage space for archival data/information, back up 911 call taking and dispatch functions, secure specialty vehicle storage and a police electronic back up data facility. The project location is an existing property located at 2696 Jefferson Boulevard. At this point, an RFP is being assembled to select a project architect to provide a comprehensive space needs assessment, conceptual design and preparation of construction documents (drawings and specifications) for all works to be undertaken.</p>	<p><b>Version Description</b></p> <p>This project represents a planned expansion of the Windsor Police Collision Reporting Centre (CRC), plus accommodating a number of operational support functions that are presently decentralized throughout other WPS facility locations. The facility will be shared with our current CRC private partner whom we are under contract with. Following the selection of the project architect by the beginning of 2016, it is anticipated there will be a Summer 2016 construction start up with project completion anticipated by early 2017.</p>																																																																																																										
<p><b>Project Comments/Reference</b></p> <p>Police project reference #2011-2</p>	<p><b>Version Comments</b></p> <p>Total estimated cost is anticipated to be approx. \$1.5 - \$2.3 million. The remaining project funding is coming from the sale of 5245 County Road 42 (recent Council report details this), plus the approximately \$425,000 in surplus funds Police still have currently within the capital account for this project.</p>																																																																																																										
<p><b>Project Forecast</b></p> <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>2016</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>2017</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>2018</td> <td>200,000</td> <td>200,000</td> <td>0</td> </tr> <tr> <td>2019</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>2020</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>2021+</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td></td> <td><b>200,000</b></td> <td><b>200,000</b></td> <td><b>0</b></td> </tr> </tbody> </table>	Year	Total Expense	Revenue		Net City Cost	Subsidies	2016	0	0	0	2017	0	0	0	2018	200,000	200,000	0	2019	0	0	0	2020	0	0	0	2021+	0	0	0		<b>200,000</b>	<b>200,000</b>	<b>0</b>	<p><b>Project Detailed Forecast</b></p> <table border="1"> <thead> <tr> <th>GL Account</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021+</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td colspan="8"><b>Expenses</b></td> </tr> <tr> <td>5410 Construction Contracts - TCA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>0</td> <td>0</td> <td>200,000</td> <td>0</td> <td>0</td> <td>0</td> <td>200,000</td> </tr> <tr> <td>Total :</td> <td>0</td> <td>0</td> <td>200,000</td> <td>0</td> <td>0</td> <td>0</td> <td>200,000</td> </tr> <tr> <td colspan="8"><b>Revenues</b></td> </tr> <tr> <td>160 Capital Expenditure Reserve</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>0</td> <td>0</td> <td>200,000</td> <td>0</td> <td>0</td> <td>0</td> <td>200,000</td> </tr> <tr> <td>Total :</td> <td>0</td> <td>0</td> <td>200,000</td> <td>0</td> <td>0</td> <td>0</td> <td>200,000</td> </tr> </tbody> </table>	GL Account	2016	2017	2018	2019	2020	2021+	Total	<b>Expenses</b>								5410 Construction Contracts - TCA									0	0	200,000	0	0	0	200,000	Total :	0	0	200,000	0	0	0	200,000	<b>Revenues</b>								160 Capital Expenditure Reserve									0	0	200,000	0	0	0	200,000	Total :	0	0	200,000	0	0	0	200,000
Year			Total Expense	Revenue																																																																																																							
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<p><b>Related Projects</b></p>																																																																																																											





## Project Summary

<b>Project #</b>	POL-001-11	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	Collision Reporting & Operational Support Centre		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	Ward 9		
<b>Version Name</b>	Main (Active)		

Project Title			Effective Date	Description	Exp/(Rev)	FTE Impact
			Unknown	Annual facility costs of operating a building, surrounding property and contribution to a reserve for future capital improvements, similar to what exists for both the Windsor Justice Facility and the Major F. A. Tilston Armoury and Police Training Centre. It is anticipated that because the project will be pursued as a LEED Gold certified development, the annual operating costs per square foot cannot be quantified until a finalized project design is completed but will be less than those for the existing facilities to be replaced.	0	0
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>	<b>Project Lead</b>		<b>Est. Completion Date</b>	
2011	January 01, 2019	Growth: Maintenance:	Barry Horrobin		2019 & Beyond	



# Project Summary

<b>Project #</b>	POL-006-13	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	Police Communications Closets-Network Infrastructure Refresh		
<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>				<b>Version Description</b>							
This project will replace all of the communications switches contained in the 6 communications closets located at Windsor Police headquarters and the 5 remote Windsor Police Service locations. The equipment provides and manages connectivity to the WPS network for all Windsor Police computers and network devices.				The warranty on the equipment is approx. 5 years and will need replacement at the expiry of the warranty and to meet any new updated technology advancements and connectivity requirements.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7132001 Police project reference #2013-22											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5110 Machinery & Equipment - TCA							
2017	0	0	0		0	0	0	150,000	0	0	150,000
2018	0	0	0								
2019	150,000	150,000	0								
2020	0	0	0								
2021+	0	0	0								
	<b>150,000</b>	<b>150,000</b>	<b>0</b>								
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		169 Pay As You Go - Capital Reserve							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>		0	0	0	150,000	0	0	150,000
					0	0	0	150,000	0	0	150,000
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
				2016-01-01	Annual licencing and maintenance				5,000	0	
				2017-01-01	Annual licencing and maintenance				5,000	0	
				2018-01-01	Annual licencing and maintenance				5,000	0	
				2019-01-01	Annual licencing and maintenance				5,000	0	
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2013	January 01, 2019	Growth: Maintenance:		Director Dave Heimann				Dec 31 2019			



## Project Summary

<b>Project #</b>	POL-007-13	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	Police Business Intelligence		
<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	Version Description
<p>WPS has been collecting vast amounts of data within its Versadex RMS-CAD since 2001. However, there is no software within that system to provide Business Intelligence (BI) to improve operational efficiency and measure effectiveness without human intervention to conceive, perceive or identify an issue, structure a browse/query to obtain data to address the issue, conduct the query, organize the data, analyze the data and provide meaningful solutions in a timely manner to all of the necessary people. BI technologies provide historical, current and predictive views of business operations through automated functions such as reporting, dashboarding, online analytical processing, analytics, data mining, process mining, complex event processing, business performance management, benchmarking of key performance indicators (internal &amp; external), text mining and combined field and free text search, predictive analytics and prescriptive analytics. As BI systems are decision support systems, acquisition of a BI software system will finally provide the WPS with the tools to provide the necessary data to the right people in a timely and meaningful way for effective data driven decision making, eliminating manual and inefficient processes, streamline operations, and provide data-driven intelligence to patrol officers, using data to predict criminal activity to efficiently focus resources, and provide real time information to police in a smarter, cost efficient and safer manner.</p> <p>Currently, WPS is implementing PHASE 1 of a "Business Intelligence" data driven policing model. All police data collected and processed is being organized in an efficient manner using hardware, software and services to allow for easy searches and retrieval. Manual data processes are being reviewed and inefficient processes are either being eliminated or replaced with a streamlined electronic process.</p> <p>PHASE 2 will be the next step. Advanced predictive analysis will be implemented to provide an in depth data-driven intelligence to patrol officers using data previously collected to predict criminal activity. This will efficiently focus resources.</p>	<p>Phase 1 of the project was approved as part of the 2013 enhanced plan (B26-2013). Project was delayed due to staffing changes. Work is still ongoing.</p> <p>Phase 2 of the project targeted for 2021.</p>
Project Comments/Reference	Version Comments
<p>7132002 Police project reference numbers 2013-3 and 2013-6</p>	



# Project Summary

<b>Project #</b>	POL-007-13	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	Police Business Intelligence		
<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 Forecast			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2016	0	0	0
2017	0	0	0
2018	0	0	0
2019	0	0	0
2020	0	0	0
2021+	500,000	500,000	0
	<b>500,000</b>	<b>500,000</b>	<b>0</b>

Historical Approved Budget			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies

Related Projects	
Year Identified	Project Title

Project Detailed Forecast							
GL Account	2016	2017	2018	2019	2020	2021+	Total
<b>Expenses</b>							
5110 Machinery & Equipment - TCA							
	0	0	0	0	0	500,000	500,000
Total :	0	0	0	0	0	500,000	500,000
<b>Revenues</b>							
169 Pay As You Go - Capital Reserve							
	0	0	0	0	0	500,000	500,000
Total :	0	0	0	0	0	500,000	500,000

Operating Budget Impact			
Effective Date	Description	Exp/(Rev)	FTE Impact
2016-01-01	Annual licencing and maintenance	10,000	0
2017-01-01	Annual licencing and maintenance	10,000	0

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2013	January 01, 2020	Growth: Maintenance:	D/C Derus	2020 & Beyond



## Project Summary

<b>Project #</b>	POL-002-14	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS Training Classroom Table Replacement		
<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>				<b>Version Description</b>								
<p>Most of the classroom space at the Major F.A. Tilston VC Armoury &amp; Police Training Facility is shared between the DND &amp; the WPS. WPS uses the facility during the day and DND during the evenings and on weekends. The current classroom tables and chairs require replacement due to wear and tear and there's a need to accommodate new classroom configurations.</p>				<p>Classrooms 1 &amp; 2 and Conference Room 1 are in a constant state of transition between users and table orientations. The current set of 50 tables used in these 3 rooms are completely rigid, with fixed legs, fixed work surfaces and no wheels. Changing the configuration of a room from lecture, to u-shaped, to syndicate groups is very time consuming and labour intensive. Unused tables must be manually stacked out of the way either at the back of the room or down the hallway. This is especially so in light of the constantly changing room configurations throughout the day and night. Tables with wheels and tilting work surfaces would allow quicker reconfiguration of these 3 rooms and allow unused tables to be easily stored within the classroom space.</p>								
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	0	0	0	5110 Machinery & Equipment - TCA								
2017	65,000	65,000	0		0	65,000	0	0	0	0	65,000	
2018	0	0	0	<b>Total :</b>	0	65,000	0	0	0	0	65,000	
2019	0	0	0	<b>Revenues</b>								
2020	0	0	0	195 Police Equipment Reserve								
2021+	0	0	0		0	65,000	0	0	0	0	65,000	
	<b>65,000</b>	<b>65,000</b>	<b>0</b>	<b>Total :</b>	0	65,000	0	0	0	0	65,000	
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>								
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	No Operating Budget Impact								
2014	65,000	65,000	0									
<b>Related Projects</b>				<b>Operating Budget Impact</b>								
Project Title				Effective Date Description Exp/(Rev) FTE Impact								
				No Operating Budget Impact								
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>				
2014	January 01, 2017	Growth: Maintenance:		Inspector T. Crowley				2020+				



# Project Summary

<b>Project #</b>	POL-003-14	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS Firearm Pistol 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)		

<b>Project Description</b>				<b>Version Description</b>								
This future phase will look at any required pistol replacements, and in particular address the evaluation and replacement of the tritium sites on the pistols and the wear and tear of the holsters and magazine pouches.				Our current Smith and Wesson Model 4046 .40 calibre semi-automatic pistol are nearing the end of their life expectancy, having been in service since 1993. While spare parts for the Model 4046 are still available, the pistol itself is no longer being manufactured. A suitable replacement has been identified in the Smith and Wesson M&P .40 calibre semi-automatic pistol. The M&P pistol is lighter, has a greater magazine capacity, and is more ergonomically correct for a wider range of hand sizes while still sharing the operating and safety characteristics of the 4046. These factors will increase user accuracy and confidence and reduce the amount of training required to transition our members between pistols. As the M&P pistol is a different profile than the 4046, new holsters will be required. The weapons require extensive order lead-time.								
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
WPS project reference #2013-20 7141008												
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	0	0	0	5110 Machinery & Equipment - TCA								
2017	0	0	0		0	0	0	0	100,000	0	100,000	
2018	0	0	0									
2019	0	0	0									
2020	100,000	100,000	0						100,000	0	100,000	
2021+	0	0	0									
	<b>100,000</b>	<b>100,000</b>	<b>0</b>	<b>Revenues</b>								
				195 Police Equipment Reserve								
					0	0	0	0	100,000	0	100,000	
									100,000	0	100,000	
					<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>100,000</b>
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>								
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>									
2014	265,000	265,000	0		No Operating Budget Impact							
<b>Related Projects</b>				<b>Year Identified</b>								
<b>Project Title</b>				<b>Start Date</b>				<b>Project Type for 2016</b>				
				2014				Growth: Maintenance:				
				January 01, 2020				Inspector T. Crowley				
								Est. Completion Date				
								Dec 31 2020+				



# Project Summary

<b>Project #</b>	POL-005-14	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS E911 Centre Workstation 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)		

<b>Project Description</b>				<b>Version Description</b>							
The E911 Centre is equipped with special workstations purchased in 1998 and are beginning to breakdown. They will need to be replaced as the warranty has expired and parts are no longer available.				The E911 Centre is equipped with eleven Bramic workstations that were purchased in 1998. The workstations are hydraulic and can be moved in several positions from sitting to standing to ensure optimal ergonomic benefit. In June of 2013, the first Bramic workstation broke down and WPS was advised that it could not be repaired as the replacement parts are no longer available. It is recommended that the existing workstations be moved to the new E911 back-up site. In the first quarter of 2014, WPS began discussion with Xybix to replace the workstations in the E911 Centre. The workstations will be installed in Oct. 2014 with finalization into 2015.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7141009											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5110 Machinery & Equipment - TCA							
2017	0	0	0		0	0	0	0	50,000	0	50,000
2018	0	0	0	<b>Total :</b>	0	0	0	0	50,000	0	50,000
2019	0	0	0	<b>Revenues</b>							
2020	50,000	50,000	0	195 Police Equipment Reserve							
2021+	0	0	0		0	0	0	0	50,000	0	50,000
	<b>50,000</b>	<b>50,000</b>	<b>0</b>	<b>Total :</b>	0	0	0	0	50,000	0	50,000
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
2014	200,000	200,000	0								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
				No Operating Budget Impact							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2014	January 01, 2020	Growth: Maintenance:		Director L. Powers				2020+			



# Project Summary

<b>Project #</b>	POL-006-14	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS Bell 911 Voice Upgrade		
<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>				<b>Version Description</b>							
Bell will be upgrading 911 to Voice Over Internet Protocol (VoIP) beginning in 2015.				Bell will be upgrading 911 to Voice Over Internet Protocol beginning in 2015. Voice over IP (voice over Internet Protocol, VoIP) is a methodology and group of technologies for the delivery of voice communications and multimedia sessions over Internet Protocol (IP) networks. It is not necessary to upgrade immediately but it is a future initiative that will be required in order to keep pace with changing technology and to stay consistent with the methods used by other police services across the province.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5110 Machinery & Equipment - TCA							
2017	200,000	200,000	0		0	200,000	0	0	0	0	200,000
2018	0	0	0	<b>Total :</b>	0	200,000	0	0	0	0	200,000
2019	0	0	0	<b>Revenues</b>							
2020	0	0	0	195 Police Equipment Reserve							
2021+	0	0	0		0	200,000	0	0	0	0	200,000
	<b>200,000</b>	<b>200,000</b>	<b>0</b>	<b>Total :</b>	0	200,000	0	0	0	0	200,000
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	2020-01-01	annual licencing and maintenance				5,000	0	
<b>Related Projects</b>	<b>Project Title</b>										
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>			<b>Est. Completion Date</b>				
2014	January 01, 2017	Growth: Maintenance:		Director L. Powers			Dec 31 2020+				





# Project Summary

<b>Project #</b>	POL-007-14	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS Body Armour 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)		

<b>Project Description</b>				<b>Version Description</b>																																																																																																															
Replacement of body armour worn by all officers due to expiration of warranty periods and life span of the vests.				All sworn personnel are required to wear body armour (bullet proof vests) as part of their personal protective equipment under health and safety regulations. WPS has a 5 year replacement policy based on warranty and wear and tear experience and testing. Replacement of approximately 470 vests will be phased in over a 2-3 year period with ongoing annual replacements as warranties expire.																																																																																																															
<b>Project Comments/Reference</b>				<b>Version Comments</b>																																																																																																															
7141010																																																																																																																			
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>																																																																																																															
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GL Account	2016	2017	2018	2019	2020	2021+	Total																																																																																																												
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2014	January 01, 2018	Growth:0.0% Maintenance:100.0%		Director B. Horrobin				Ongoing																																																																																																											



# Project Summary

<b>Project #</b>	POL-009-14	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS Workspace Ergonomic & Efficiency Reconfigurations		
<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>				<b>Version Description</b>							
There are a number of areas within Windsor Police HQ facility that have become highly inefficient and ergonomically less functional since the building was first constructed 15 years ago.				The areas of the WPS HQ building specifically are the Human Resources & Finance Area, Police Stores and Evidence Handling Areas, the Front Lobby Area for public access and 1st floor Patrol Area. Changes to deployment of staff, implementation and integration of new technology and the need to provide greater privacy and confidentiality for work functions has triggered these needed changes. Concurrent issues are the need to properly address ergonomic issues as the use of technology increases and a reallocation of physical space to accommodate increased inventory storage needs. Recently implemented changes to public access to the front lobby in off-peak hours have also affected the staffing compliment needed and led to repurposing of the 1st floor area. The project will allow for physical space efficiencies to be gained to improve overall workflow and productivity.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7161011											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	200,000	200,000	0	5410 Construction Contracts - TCA							
2017	0	0	0		200,000	0	0	0	0	0	200,000
2018	0	0	0	Total :	200,000	0	0	0	0	0	200,000
2019	0	0	0	<b>Revenues</b>							
2020	0	0	0	195 Police Equipment Reserve							
2021+	0	0	0		200,000	0	0	0	0	0	200,000
	<b>200,000</b>	<b>200,000</b>	<b>0</b>	Total :	200,000	0	0	0	0	0	200,000
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>	<b>Exp/(Rev)</b>	<b>FTE Impact</b>				
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	No Operating Budget Impact							
<b>Related Projects</b>				<b>Year Identified</b>							
Project Title				<b>Start Date</b>				<b>Project Type for 2016</b>			
				2014				January 01, 2016			
				Growth:0.0%				Maintenance:100.0%			
				<b>Project Lead</b>				<b>Est. Completion Date</b>			
				Director B. Horrobin				Dec 31, 2020+			



# Project Summary

<b>Project #</b>	POL-010-14	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS Body/In-Car Cameras		
<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>				<b>Version Description</b>							
Installation of in-car video cameras for all marked police units of the Windsor Police Service and purchase of body cameras for uniformed members of the Windsor Police Service. Associated technology costs with data storage and retrieval are factored into the estimate. Also factored in is an annual operating impact of the salary associated with one FTE personnel to manage and maintain systems at approx. \$110,000/year.											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5110 Machinery & Equipment - TCA							
2017	0	0	0		0	0	0	0	0	1,000,000	1,000,000
2018	0	0	0								
2019	0	0	0								
2020	0	0	0								
2021+	1,000,000	1,000,000	0								
	<b>1,000,000</b>	<b>1,000,000</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,000,000</b>	<b>1,000,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		169 Pay As You Go - Capital Reserve							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>		0	0	0	0	0	1,000,000	1,000,000
				<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,000,000</b>	<b>1,000,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
				2021-01-01	Maintenance Contracts				40,000	0	
				2021-01-01	Salary and Benefits				110,000	1	
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2014	January 01, 2020	Growth: Maintenance:		Deputy Chief R. Derus				Dec 31, 2020+			



## Project Summary

<b>Project #</b>	POL-013-14	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS Tasers		
<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>																			
<p>Conducted Energy Weapons (CEWs), otherwise known by the brand name "TASER", have been in use by police services in Ontario since 2002. Until now, frontline supervisors and officers who are members of tactical units, hostage rescue teams and containment teams have been permitted to carry CEWs. The Ministry of Community Safety and Correctional Services recently announced the lifting of existing restrictions to allow police services to determine which officers should carry CEWs based on their local needs and circumstances. The WPS plans to roll-out the training and deployment of CEWs in phases to take into consideration any potential advancement in the technology of conducted energy weapons, the availability of the equipment and to allow for sufficient time to assess the impact and make any necessary changes to procedures, enhancements to training and continued deployment of additional units.</p>				<p>The current CEW X26 warranty will expire January 2018. This taser has the limited ability of shooting one cartridge at a time. A review of the use of force indicates that frequently the first cartridge misses target. The new CEW taser X2 provides the following:</p> <ul style="list-style-type: none"> <li>•Dual LASERs improve accuracy and help take the guesswork out of aiming;</li> <li>•Improved power magazine provides 500 more firings than the TASER X26;</li> <li>•IPX2 rated weatherproofing to better resist rain and humidity;</li> <li>•Self diagnostics tells you if the device is healthy or has a problem;</li> <li>•Back up shot capability for multiple targets or miss recovery with x-connect technology;</li> <li>•Warning Arc prevents conflict from escalating;</li> <li>•Current Metering measures and accurately delivers the precise amount of current to maximize both safety and effectiveness.</li> </ul> <p>The projected cost of 60 tasers, warranty, holsters and cartridges would be approx. \$210,000.</p>																			
<b>Project Comments/Reference</b>				<b>Version Comments</b>																			
7141013																							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>																			
		<b>Revenue</b>																					
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>												
2016	125,000	125,000	0	5110 Machinery & Equipment - TCA																			
2017	0	0	0	125,000	0	200,000	0	0	0	0	325,000												
2018	200,000	200,000	0	Total :	125,000	0	200,000	0	0	0	325,000												
2019	0	0	0	<b>Revenues</b>																			
2020	0	0	0	195 Police Equipment Reserve																			
2021+	0	0	0	125,000	0	200,000	0	0	0	0	325,000												
	<b>325,000</b>	<b>325,000</b>	<b>0</b>	Total :	125,000	0	200,000	0	0	0	325,000												
<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>		<b>Description</b>		<b>Exp/(Rev)</b>		<b>FTE Impact</b>													
2014	200,000	200,000	0	2020-01-01		Training Staff		65,000		0													
<b>Related Projects</b>				<b>Year Identified</b>																			
<b>Project Title</b>				<b>Start Date</b>				<b>Project Type for 2016</b>				<b>Project Lead</b>				<b>Est. Completion Date</b>							
				2014				January 01, 2016				Growth:100.0% Maintenance:0.0%				Inspector T. Crowley				Dec 31 2020+			



# Project Summary

<b>Project #</b>	POL-001-15	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS Containment Team		
<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>				<b>Version Description</b>							
Establishment of a 15 person containment team to respond to Code 200 incidents, high risk missing persons and Dog Unit tracks.				Equipment required to meet Provincial Adequacy Standards include: C8 rifles with optics, cold weather gear, tactical uniforms, GPS, Search Manager software plus training, Basic Tactical Training Course, Blackberries and other communication equipment.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7161004											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	75,000	75,000	0	5110 Machinery & Equipment - TCA							
2017	0	0	0		75,000	0	0	0	0	0	75,000
2018	0	0	0								
2019	0	0	0								
2020	0	0	0								
2021+	0	0	0								
	<b>75,000</b>	<b>75,000</b>	<b>0</b>	<b>Revenues</b>							
				195 Police Equipment Reserve							
					75,000	0	0	0	0	0	75,000
					<b>Total :</b>	<b>75,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>75,000</b>
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
				2020-01-01	training				5,000	0	
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2015	January 01, 2016	Growth:100.0% Maintenance:0.0%		Deputy Chief Derus				Dec 31, 2020+			



# Project Summary

<b>Project #</b>	POL-002-15	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS Next Generation 911		
<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>				<b>Version Description</b>							
<p>Next Generation 9-1-1 (abbreviated NG9-1-1) refers to an initiative aimed at updating the 9-1-1 service infrastructure to improve public emergency communications services in a growingly wireless mobile society. Komutel's SIT 911 was purchased in 2014 for the purpose of migrating to internet protocol (IP) for data for 911. The migration to IP is the foundation for NG911 and this product will be used as the database structure for NG911. The product that will be developed for NG911 will be added to Komutel's SIT 911.</p>				<p>In addition to calling 9-1-1 from a phone, the system enables the public to transmit text, images, video and data to the 9-1-1 centre (referred to as a Public Safety Answering Point, or PSAP). The initiative also envisions additional types of emergency communications and data transfer. This NG9-1-1 infrastructure is intended to replace the current services over time. Requested budgets by year are placeholders so that funds can accumulate to cover the associated costs with upgrading to NG911 as those costs are not known at this time.</p>							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
<b>Year</b>	<b>Total Expense</b>	<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
		<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5110 Machinery & Equipment - TCA							
2017	0	0	0		0	0	150,000	50,000	50,000	0	250,000
2018	150,000	150,000	0	<b>Total :</b>	0	0	150,000	50,000	50,000	0	250,000
2019	50,000	50,000	0	<b>Revenues</b>							
2020	50,000	50,000	0	195 Police Equipment Reserve							
2021+	0	0	0		0	0	150,000	50,000	50,000	0	250,000
	<b>250,000</b>	<b>250,000</b>	<b>0</b>	<b>Total :</b>	0	0	150,000	50,000	50,000	0	250,000
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
<b>Year</b>	<b>Total Expense</b>	<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>			<b>Exp/(Rev)</b>	<b>FTE Impact</b>		
		<b>Net City Cost</b>	<b>Subsidies</b>	2020-01-01	Maintenance costs			20,000	0		
<b>Related Projects</b>				<b>Project Title</b>							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2015	January 01, 2018	Growth: Maintenance:		Director L. Powers				Dec 31, 2020+			



# Project Summary

<b>Project #</b>	POL-003-15	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS Carbines		
<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>				<b>Version Description</b>							
Placement of carbine guns in all current patrol cruisers.				This entails the purchase of 40 carbine guns, magazines and sling assemblies.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7161005											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<b>Expenses</b>							
2016	200,000	200,000	0	5110 Machinery & Equipment - TCA							
2017	0	0	0		200,000	0	0	0	0	0	200,000
2018	0	0	0								
2019	0	0	0								
2020	0	0	0								
2021+	0	0	0								
	<b>200,000</b>	<b>200,000</b>	<b>0</b>								
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		195 Police Equipment Reserve							
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>		200,000	0	0	0	0	0	200,000
					200,000	0	0	0	0	0	200,000
					<b>Total :</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
				2020-01-01	Gun supplies					15,000	0
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2015	January 01, 2016	Growth:100.0% Maintenance:0.0%		Insp. T. Crowley				Dec 31, 2020+			



# Project Summary

<b>Project #</b>	POL-004-15	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS Covert Technology Enhancements		
<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>				<b>Version Description</b>							
<p>The Criminal Intelligence Technical Unit seeks to address areas of deficiency and provide reasonable solutions with the goal of providing the best possible service to assist our officers in all areas of investigations. This allows the Windsor Police Service to provide the highest quality of policing for our community. The advancements of technology, as well as the sophistication of criminals and criminal organizations is rapidly growing. The need for technology is only increasing and becoming more essential to police investigations.</p>				<p>The technology advancements required involve cellular audio and video transmission, tracking, audio and video interception equipment, GPS tracking, data collection systems, mobile surveillance equipment, officer protection devices and associated training.</p>							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5110 Machinery & Equipment - TCA							
2017	100,000	100,000	0		0	100,000	100,000	0	0	0	200,000
2018	100,000	100,000	0	<b>Total :</b>	0	100,000	100,000	0	0	0	200,000
2019	0	0	0	<b>Revenues</b>							
2020	0	0	0	195 Police Equipment Reserve							
2021+	0	0	0		0	100,000	100,000	0	0	0	200,000
	<b>200,000</b>	<b>200,000</b>	<b>0</b>	<b>Total :</b>	0	100,000	100,000	0	0	0	200,000
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>			<b>Exp/(Rev)</b>	<b>FTE Impact</b>		
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	2020-01-01	maintenance contracts			20,000	0		
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>											
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2015	January 01, 2017	Growth: Maintenance:		Insp. P. Keane				Dec 31, 2020+			





# Project Summary

<b>Project #</b>	POL-005-15	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS Use of Force Simulator		
<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>				<b>Version Description</b>							
Information from a recent homicide investigation where patrol officers experienced auditory exclusion confronting a murder suspect prompted a request for additional scenario based training. This increased demand for realistic relevant training lends itself to Use of Force Simulation Technology.				The Use of Force Simulator is a portable unit that could be utilized in the classroom and the range. It uses common hardware/software and operates with Windows. It has high definition video with surround sound that allows for the operators to control the users environment and create scenarios. New DVD's are updated every three months at no extra cost. Officers can use all of their equipment from flashlights to tasers, C8's and even allows for live fire. A particular vendor has worked closely with the manufacturer of our tasers to reproduce the taser arc. This would significantly reduce the use of taser cartridges in training and save substantial costs. It further provides reporting capabilities and statistics that can be used to predict and develop future training. Eighteen officers can participate at one time. It could attract other agencies interested in using its capabilities. Currently Customs and Border Control are using this technology in other provinces.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7161008											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<b>Expenses</b>							
2016	80,000	80,000	0	5110 Machinery & Equipment - TCA							
2017	0	0	0	80,000	0	0	0	0	0	0	80,000
2018	0	0	0	<b>Total :</b>							
2019	0	0	0	80,000	0	0	0	0	0	0	80,000
2020	0	0	0	<b>Revenues</b>							
2021+	0	0	0	195 Police Equipment Reserve							
	<b>80,000</b>	<b>80,000</b>	<b>0</b>	80,000	0	0	0	0	0	0	80,000
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>	<b>Exp/(Rev)</b>	<b>FTE Impact</b>				
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	2020-01-01	Maintenance Contracts	2,500	0				
<b>Related Projects</b>											
<b>Project Title</b>											
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2015	January 01, 2016	Growth:100.0% Maintenance:0.0%		Insp. T. Crowley				Dec 31, 2020+			



# Project Summary

<b>Project #</b>	POL-001-16	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS E911 Voicelogger		
<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>				<b>Version Description</b>								
The Emergency 911 Centre is legislated under the Police Services Act to ensure that all communications are recorded. The current voicelogger system will be at its end of life by 2020 and will require replacement/upgrade.												
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	0	0	0	5110 Machinery & Equipment - TCA								
2017	0	0	0		0	0	0	0	150,000	0	150,000	
2018	0	0	0									
2019	0	0	0									
2020	150,000	150,000	0									
2021+	0	0	0									
	<b>150,000</b>	<b>150,000</b>	<b>0</b>	<b>Revenues</b>								
				195 Police Equipment Reserve								
					0	0	0	0	150,000	0	150,000	
					<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>	<b>0</b>	<b>150,000</b>
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>								
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>									
				No Operating Budget Impact								
<b>Related Projects</b>												
Project Title												
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>				
2016	January 01, 2020	Growth: Maintenance:		Director Lori Powers				Dec 31, 2020				



# Project Summary

<b>Project #</b>	POL-002-16	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS Backup E911 Centre 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)		

<b>Project Description</b>				<b>Version Description</b>							
The Emergency 911 Centre backup facility will require a technological upgrade to the Public Branch Exchange System, computers, monitors and software. This upgrade will ensure that the backup facility is compliant with Next Generation 911 and new internet protocol features.											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5110 Machinery & Equipment - TCA							
2017	0	0	0								
2018	0	0	0								
2019	0	0	0								
2020	100,000	100,000	0						100,000	0	100,000
2021+	0	0	0						100,000	0	100,000
	<b>100,000</b>	<b>100,000</b>	<b>0</b>	<b>Revenues</b>							
				195 Police Equipment Reserve							
									100,000	0	100,000
									100,000	0	100,000
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>		<b>Exp/(Rev)</b>	<b>FTE Impact</b>			
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	No Operating Budget Impact							
<b>Related Projects</b>											
<b>Project Title</b>											
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2016	January 01, 2020	Growth: Maintenance:		Director Lori Powers				Dec 31, 2020			



# Project Summary

<b>Project #</b>	POL-003-16	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS Microsoft Software 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)		

<b>Project Description</b>				<b>Version Description</b>							
<p>The City of Windsor uses Microsoft Office suite of software products for all of its business document related needs. In keeping with this standard, the Windsor Police Service uses the same software products. The city is considering an upgrade to Microsoft Office 2013 in 2016. For compatibility reasons, it is recommended the Windsor Police Service upgrade at the same time. A phased approach is expected, given training requirements.</p>											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7161006											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	100,000	100,000	0	5110 Machinery & Equipment - TCA							
2017	75,000	75,000	0		100,000	75,000	0	0	0	0	175,000
2018	0	0	0	Total :							
2019	0	0	0		100,000	75,000	0	0	0	0	175,000
2020	0	0	0	<b>Revenues</b>							
2021+	0	0	0	195 Police Equipment Reserve							
	<b>175,000</b>	<b>175,000</b>	<b>0</b>		100,000	75,000	0	0	0	0	175,000
<b>Historical Approved Budget</b>				Total :							
		<b>Revenue</b>			100,000	75,000	0	0	0	0	175,000
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
				Total :							
					100,000	75,000	0	0	0	0	175,000
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>			<b>Exp/(Rev)</b>	<b>FTE Impact</b>		
				No Operating Budget Impact							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2016	January 01, 2016	Growth:0.0% Maintenance:100.0%		Director Dave Heimann				Dec 31, 2017			



# Project Summary

<b>Project #</b>	POL-004-16	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS Officer Personal Equipment		
<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>							
With the recommendations from the WPS Equipment Review Committee, this funding will cover upgrades and enhancements to officer personal equipment and uniforms department-wide as required to meet provincial adequacy standards.											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7161007											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	50,000	50,000	0	5110 Machinery & Equipment - TCA							
2017	0	0	0								
2018	50,000	50,000	0								
2019	50,000	50,000	0								
2020	50,000	50,000	0								
2021+	0	0	0								
	<b>200,000</b>	<b>200,000</b>	<b>0</b>	<b>Total :</b>	<b>50,000</b>	<b>0</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>0</b>	<b>200,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		195 Police Equipment Reserve							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
				<b>Total :</b>	<b>50,000</b>	<b>0</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>0</b>	<b>200,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2016	January 01, 2016	Growth:0.0% Maintenance:100.0%		D/C Derus				Ongoing			



# Project Summary

<b>Project #</b>	POL-005-16	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS Investigations Master Plan & Renovations		
<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>				<b>Version Description</b>							
<p>Conduct a comprehensive architectural space planning/allocation assessment of the Investigation Services Division of the WPS on the third floor of Police HQ followed by an implementation of the study results involving construction activity, upgraded furnishings &amp; equipment, access control modifications, etc. Many staffing and operational deployment changes in recent years have necessitated this project to meet current and future operational requirements of the organization. The end result will also address options to improve the organizations commitment to a fully accessible work environment per the AODA legislation.</p>											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7161009											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	60,000	60,000	0	5410 Construction Contracts - TCA							
2017	140,000	140,000	0		60,000	140,000	0	0	0	0	200,000
2018	0	0	0								
2019	0	0	0								
2020	0	0	0								
2021+	0	0	0								
	<b>200,000</b>	<b>200,000</b>	<b>0</b>	<b>Revenues</b>							
				195 Police Equipment Reserve							
					60,000	140,000	0	0	0	0	200,000
					<b>Total :</b>	<b>60,000</b>	<b>140,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2016	January 01, 2016	Growth:0.0% Maintenance:100.0%		Director Barry Horrobin				Dec 31, 2017			



# Project Summary

<b>Project #</b>	POL-006-16	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS Marine Dock Safety & Asset Protection		
<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>							
Supply, delivery, and installation of enhanced LED lighting and high resolution digital CCTV recording for the WPS marine dock. The recent acquisition of a new primary patrol vessel valued at over \$400,000, plus the pending acquisition in 2016 of a new secondary patrol vessel with an anticipated value of approximately \$300,000 warrants an elevated level of protection for these two major fleet assets. The proposed improvements are also intended to improve overall health and safety conditions for employees working in the Marine Unit as well.											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7161010											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<b>Expenses</b>							
2016	75,000	75,000	0	5410 Construction Contracts - TCA							
2017	0	0	0		75,000	0	0	0	0	0	75,000
2018	0	0	0	<b>Total :</b>	75,000	0	0	0	0	0	75,000
2019	0	0	0	<b>Revenues</b>							
2020	0	0	0	195 Police Equipment Reserve	75,000	0	0	0	0	0	75,000
2021+	0	0	0	<b>Total :</b>	75,000	0	0	0	0	0	75,000
	<b>75,000</b>	<b>75,000</b>	<b>0</b>								
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	No Operating Budget Impact							
<b>Related Projects</b>											
<b>Project Title</b>											
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2016	January 01, 2016	Growth:0.0% Maintenance:100.0%		Director Barry Horrobin				Dec 31, 2016			



## Project Summary

<b>Project #</b>	POL-007-16	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS Crime Scene Scanner 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)		

<p><b>Project Description</b></p> <p>This high density three dimensional (3D) laser scanning is the future of crime scene analysis. This is the latest technology used for the preservation, analysis, and reconstructions of crime scenes. The data collected can be used to not only show a crime scene but has the potential to reconstruct a sequence of events and show perspectives of witnesses, victims, and accused persons. Laser scanners capture the complete scene in vivid 3D exactly as the investigators find it. The software produces a 3D rendering of the data form which any desired measurement can be extracted at any time. The end result is a scene which can be viewed from multiple angles and positions, allowing for a significantly more realistic presentation of evidence for court. Estimated cost of all hardware, software, and training is \$180,000 with yearly licensing and maintenance of \$5,000. This system is already in use in other Ontario police services and is fully compatible with WPS current operating systems. As well it will be jointly used by WPS Forensic Identification officers and Accident Reconstruction Specialists within the WPS Traffic Branch.</p>	<p><b>Version Description</b></p>																																																																																																										
<p><b>Project Comments/Reference</b></p>	<p><b>Version Comments</b></p>																																																																																																										
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## Project Summary

<b>Project #</b>	POL-007-16	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
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<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2016	January 01, 2018	Growth: Maintenance:	Supt E. Hickey	Dec 31, 2018



## Project Summary

<b>Project #</b>	POL-008-16	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
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## Project Summary

<b>Project #</b>	POL-008-16	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS Covert Surveillance Equipment		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2016	January 01, 2019	Growth: Maintenance:	Supt. E. Hickey	Dec 31, 2019



## Project Summary

<b>Project #</b>	POL-009-16	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS Internet Child Exploitation 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>				<b>Version Description</b>							
<p>This project is to provide additional software and equipment to assist in the fight against the exploitation of children through the internet. It is imperative to the safety of the community that this mandate is maintained. Not only for the vital service it provides for the well being of our vulnerable children but for the service it provides in a multitude of other criminal investigations where cell phone, video, and computer technology are vital components of any and all investigations.</p>											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5110 Machinery & Equipment - TCA							
2017	0	0	0		0	0	0	100,000	0	0	100,000
2018	0	0	0								
2019	100,000	100,000	0								
2020	0	0	0								
2021+	0	0	0								
	<b>100,000</b>	<b>100,000</b>	<b>0</b>								
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		195 Police Equipment Reserve							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>		0	0	0	100,000	0	0	100,000
					0	0	0	100,000	0	0	100,000
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2016	January 01, 2019	Growth: Maintenance:		Supt. E. Hickey				Dec 31, 2019			



# Project Summary

<b>Project #</b>	POL-010-16	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS CIU Mobile 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)		

<b>Project Description</b>				<b>Version Description</b>							
<p>CIU is looking to provide all Intelligence and Surveillance officers with mobile computers and cellular access for use in their daily duties and details. They spend a large amount of time working in the field often beginning and ending their shift without ever entering HQ. Notes and reports are generated daily and need to be submitted electronically, in a timely manner, to the requesting investigator. Photographic evidence and video evidence is also gathered on a regular basis during these assignments. Currently, valuable time and resources are wasted by having officers report to a police facility for the sole purpose of completing and submitting reports along with digital evidence. A mobile computer would eliminate the need to attend a police facility to complete these tasks, improve efficiencies within the operating unit, increase officer and public safety by not having to leave an operation to complete reports that can now be completed on the road, much like patrol officers. The cost of outfitting all officers with the appropriate computer, software, peripherals, and cellular internet access would be \$70,000.</p>											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5110 Machinery & Equipment - TCA							
2017	0	0	0		0	0	0	70,000	0	0	70,000
2018	0	0	0	<b>Total :</b>	0	0	0	70,000	0	0	70,000
2019	70,000	70,000	0	<b>Revenues</b>							
2020	0	0	0	195 Police Equipment Reserve							
2021+	0	0	0		0	0	0	70,000	0	0	70,000
	<b>70,000</b>	<b>70,000</b>	<b>0</b>	<b>Total :</b>	0	0	0	70,000	0	0	70,000
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
				No Operating Budget Impact							



## Project Summary

<b>Project #</b>	POL-010-16	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS CIU Mobile 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)		

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2016	January 01, 2019	Growth: Maintenance:	Supt E. Hickey	Dec 31, 2019



## Project Summary

<b>Project #</b>	POL-011-16	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS Mobile Occurrence & Scene Documentation Application		
<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>				<b>Version Description</b>							
<p>The objective of this project is to leverage the WPS' investment in mobile technology (smartphones/tablets). This project will see the deployment applications on those devices that will assist all frontline personnel with the streamlined, at-source, capture of searchable digital multimedia reports, notes and scene imagery via secure wireless handheld technology. This project will ensure a variety of effective text capture methods are available to officers - including voice to text dictation - to reduce overall reporting time and duplication of effort required with traditional reporting and note-taking methods. Significant time savings and quality improvements are anticipated at occurrence scenes, as well as downstream during electronic Crown brief production and subsequent trial environments.</p>											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5110 Machinery & Equipment - TCA							
2017	0	0	0		0	0	0	150,000	0	0	150,000
2018	0	0	0								
2019	150,000	150,000	0	<b>Total :</b>	0	0	0	150,000	0	0	150,000
2020	0	0	0	<b>Revenues</b>							
2021+	0	0	0	195 Police Equipment Reserve							
	<b>150,000</b>	<b>150,000</b>	<b>0</b>		0	0	0	150,000	0	0	150,000
				<b>Total :</b>	0	0	0	150,000	0	0	150,000
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2016	January 01, 2019	Growth: Maintenance:		Sgt. J. Belanger				Dec 31, 2019			



## Project Summary

<b>Project #</b>	POL-012-16	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS Hybrid Tactical Range		
<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>				<b>Version Description</b>							
<p>This proposal is to update the ten year old indoor range. The current design of this indoor range facilitates static shooting only. Research indicates the need for additional baffles to be installed on the ceiling and walls to create a more effective range and increase training capacity. Electronics will be updated to improve target retrieval and controlled movements. Policing has evolved to include the need for dynamic training to provide a realistic environment to allow movement to better prepare police officers to safely serve in the community. The Ontario Police College has improved their range facility to incorporate more efficient and effective training with similar upgrades. This recommendation is in line with Ministry training and will allow our service the ability to increase training capacity significantly. This new design will afford the Windsor Police Service the ability to train in an environment that a police officer is more likely to encounter. This recommendation's goal is to sustain training capacity for ten years. Partnering agencies will benefit from the improvements of the indoor range.</p>											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	0	0	0	500,000	500,000
2018	0	0	0								
2019	0	0	0								
2020	0	0	0								
2021+	500,000	500,000	0								
	<b>500,000</b>	<b>500,000</b>	<b>0</b>	<b>Revenues</b>							
				169 Pay As You Go - Capital Reserve							
					0	0	0	0	0	500,000	500,000
					<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500,000</b>	<b>500,000</b>
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
				No Operating Budget Impact							





## Project Summary

<b>Project #</b>	POL-012-16	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS Hybrid Tactical Range		
<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)		

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2016	January 01, 2016	Growth: Maintenance:	Insp. T. Crowley	Dec 31, 2017



## Project Summary

<b>Project #</b>	POL-013-16	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS Outdoor Range 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)		

<table border="1"> <tr> <th colspan="5">Project Description</th> </tr> <tr> <td colspan="5"> <p>This proposal is for a redesign of the outdoor range. A quote was requested to enclose the first fifty yards of the outdoor range in year one of the recommendation. This will serve to increase training capacity and efficiency. The outdoor range retrofit will create opportunity to increase training capacity essentially adding a second range option that can be utilized 365 days of the year. In addition, the range will be baffled and have sound eliminating technologies applied that will significantly reduce noise volumes experienced by local residents. In year two, range electronic updates would be complete and baffling extended to enable officers in training to discharge weapons from zero to 100 yards while positioned under the cover of the baffles or enclosed portion. Training will be more effective and efficient with recommended improvements and will facilitate movement tasks that will create a very important realistic training environment. Static training is no longer deemed to be effective. This recommended upgrade is aligned with the Ontario Police College and their efforts to increase training capacity. This design eliminates the possibility of a discharged round escaping the range and will significantly reduce noise complaints from neighbouring residents. The indoor range upgrade will need to occur first which will help determine the specific needs to be done for the outdoor range.</p> </td> </tr> </table>	Project Description					<p>This proposal is for a redesign of the outdoor range. A quote was requested to enclose the first fifty yards of the outdoor range in year one of the recommendation. This will serve to increase training capacity and efficiency. The outdoor range retrofit will create opportunity to increase training capacity essentially adding a second range option that can be utilized 365 days of the year. In addition, the range will be baffled and have sound eliminating technologies applied that will significantly reduce noise volumes experienced by local residents. In year two, range electronic updates would be complete and baffling extended to enable officers in training to discharge weapons from zero to 100 yards while positioned under the cover of the baffles or enclosed portion. Training will be more effective and efficient with recommended improvements and will facilitate movement tasks that will create a very important realistic training environment. Static training is no longer deemed to be effective. This recommended upgrade is aligned with the Ontario Police College and their efforts to increase training capacity. This design eliminates the possibility of a discharged round escaping the range and will significantly reduce noise complaints from neighbouring residents. The indoor range upgrade will need to occur first which will help determine the specific needs to be done for the outdoor range.</p>					<table border="1"> <tr> <th colspan="8">Version Description</th> </tr> <tr> <td colspan="8"> </td> </tr> <tr> <th colspan="8">Version Comments</th> </tr> <tr> <td colspan="8"> </td> </tr> </table>	Version Description																Version Comments																																																															
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## Project Summary

<b>Project #</b>	POL-013-16	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS Outdoor Range 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)		

Related Projects			Operating Budget Impact			
Year Identified	Start Date	Project Type for 2016	Effective Date	Description	Exp/(Rev)	FTE Impact
		Project Title				
				No Operating Budget Impact		
2016	January 01, 2020	Growth: Maintenance:		Insp. T. Crowley		Dec 31,2021



# Project Summary

<b>Project #</b>	POL-014-16	<b>Service Area</b>	Agencies, Boards & Committees
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Police Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Police
<b>Title</b>	WPS Secure HQ Wireless Network		
<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>				<b>Version Description</b>							
<p>This project will result in the installation of secure wireless connectivity to internal WPS networks within WPS HQ. The network connectivity will be achieved via installation of secure Wi-Fi Access Points in areas with high computer usage within HQ. Areas already under consideration for coverage have included meeting and conference rooms; this project expands the coverage to include operational areas such as the report-writing room, lineup briefing room as well as all fleet/garage and crib areas/levels which would enable Technology Services to "push" automated updates of mobile devices and to "pull" automated uploads of video from camera equipped vehicles or devices entering the garage areas.</p>											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5110 Machinery & Equipment - TCA							
2017	50,000	50,000	0		0	50,000	0	0	0	0	50,000
2018	0	0	0	<b>Total :</b>	0	50,000	0	0	0	0	50,000
2019	0	0	0	<b>Revenues</b>							
2020	0	0	0	195 Police Equipment Reserve							
2021+	0	0	0		0	50,000	0	0	0	0	50,000
	<b>50,000</b>	<b>50,000</b>	<b>0</b>	<b>Total :</b>	0	50,000	0	0	0	0	50,000
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
				No Operating Budget Impact							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2016	January 01, 2017	Growth: Maintenance:		Sgt. J. Belanger				Dec 31, 2017			

# **2016 Approved Capital Budget**



## **Capital Project Summaries**

**City Council & Mayor's Office**



# Project Summary

<b>Project #</b>	MAY-001-16	<b>Service Area</b>	City Council & Mayor's Office
<b>Budget Year</b>	2016	<b>Department</b>	Mayor's Office
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Mayor's Office
<b>Title</b>	Arts Endowment Placeholder		
<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>				<b>Version 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.											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	0	0	2,000,000	0	2,000,000
2018	0	0	0								
2019	0	0	0								
2020	2,000,000	2,000,000	0								
2021+	0	0	0								
	<b>2,000,000</b>	<b>2,000,000</b>	<b>0</b>	<b>Revenues</b>							
				169 Pay As You Go - Capital Reserve							
					0	0	0	0	2,000,000	0	2,000,000
					<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,000,000</b>	<b>0</b>	<b>2,000,000</b>
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
				No Operating Budget Impact							
<b>Related Projects</b>											
Project Title											
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2016		Growth: Maintenance:									



# Project Summary

<b>Project #</b>	MAY-002-16	<b>Service Area</b>	City Council & Mayor's Office
<b>Budget Year</b>	2016	<b>Department</b>	Mayor's Office
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Mayor's Office
<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>			
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version 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.											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5210 Land Acquisition							
2017	0	0	0		0	0	0	0	1,500,000	0	1,500,000
2018	0	0	0								
2019	0	0	0								
2020	1,500,000	1,500,000	0								
2021+	0	0	0								
	<b>1,500,000</b>	<b>1,500,000</b>	<b>0</b>	<b>Revenues</b>							
				169 Pay As You Go - Capital Reserve							
					0	0	0	0	1,500,000	0	1,500,000
					<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,500,000</b>	<b>0</b>	<b>1,500,000</b>
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
					No Operating Budget Impact						
<b>Related Projects</b>											
Project Title											
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2016		Growth: Maintenance:									

# **2016 Approved Capital Budget**



## **Capital Project Summaries**

**Office of Community Development & Health**





## Project Summary

<b>Project #</b>	HCS-001-07	<b>Service Area</b>	Community Development & Health Commissi
<b>Budget Year</b>	2016	<b>Department</b>	Housing & Children Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Housing Administration
<b>Title</b>	Social Housing Reserve Fund		
<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	Version Description
<p>Windsor and Essex County Social Housing units devolved to the City represents over 7,900 housing units in the region with an estimated value of \$500 million and yearly operating budgets of \$68 million. These units are a vital and valuable resource to the community. Many of the projects have been a part of this community for many years and are aging and requiring significant renewal. The Social Housing Reserve Fund was established in 2001 using the one-time transfer of \$2.4 million from MMAH. This fund was established "to cover the risks associated with future increases" in the social housing program. The current available balance of this fund after Council approved commitments (Council Report-March 23, 2015) is \$1.346M as at June 30, 2015. 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. Beginning in 2007, transfers were approved for years 2010 onward during the Capital budget deliberations in amounts from \$500,000 to \$2.28M per year (2010 – 2014). In 2010 a total of \$294,000 (\$200,000 City) was transferred to the Social Housing Reserve fund. During the 2011 Capital Budget deliberations all previous year approvals (for years 2011 to 2014) were rescinded and \$0 was approved for 2015. All requests for years after 2011 have not been recommended for approval and deferred to future years. The County of Essex would share approx. 34% of the cost of maintaining this fund based on the current arbitrated weighted assessment formula. The Social Housing Reserve fund is required to help mitigate the impact of early life cycle breakdown in the housing stock, 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 other housing related initiatives in order to ensure the long term viability of the housing stock. Other municipalities of similar size (Region of Waterloo and the City of London) adopted a similar strategy and currently have invested funds for this purpose. There is a need to prepare for regeneration and rationalization of stock. The 2010 HARS report states that there is a "mismatch of supply and demand for Social Housing" in Windsor and Essex County. Demand for one bedroom units as well as larger units exceeds the current supply. There is a need to review this anomaly in an effort to 'rationalize the stock' and attempt to more closely match current and future demand. Other pressures that will require</p>	<p>Housing Services is requesting a total allocation of \$8.8M Gross (\$5,807,000) Net City in 2020. This request was not approved at the Finance review stage for 2020 but deferred to 2021. Based on industry and MMAH originally established capital fund allowances (prior to download) the current reserve fund balance is inadequate. It is expected that the net capital requirements of the Windsor Essex social housing providers in the future 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 \$14M. It should be noted that of the 39 housing providers, 15% to 20% have little or no capital reserve balances and a large number would not have enough funding should a major capital repair be required. Windsor Essex Community Housing (WECHC) has estimated that within their portfolio (approx. 60% of the stock) a large capital deficit exists. Based on staff analysis, WECHC estimates that based on current capital funding from the City, the unfunded capital liability in 2020 (5 years) would be \$40M and in 2025 (10 years) would reach \$63M. In addition, WECHC indicates that over 70% of their units are now over 30 years or older. The CMHC average is currently 64%. A study undertaken in 2005 on behalf of the Service Manager, the Housing Network also identified overall projected capital reserve shortfalls in all non-profit projects province-wide. It was estimated that an additional \$600 - \$700 per unit/year should be deposited in provider Capital reserve funds (City of Windsor - \$ 2.1M/year from 2005) in order that capital needs of these providers be met in the future. Recent examples of projects that could have required access to the Social Housing Reserve Fund include:</p> <ul style="list-style-type: none"> <li>- 2012 Windsor Essex Community Housing Corporation (WECHC) – The Grandview neighbourhood (68 units) experienced excessive flooding in 2011 due to significant rain incidents. The cost to investigate and resolve these water intrusion issues (sewage backup/water leaks) including replacement of windows and doors was \$937,000. One-time carryover funding was applied to offset this cost.</li> <li>- 2013/2014 WECHC - 2455 Rivard – Water intrusion issues due to brick deterioration – After significant review and analysis it was determined that replacement of building cladding and insulation was required to correct leaking into rental units. Total costs - \$2.1 million. Due to the amount of required capital funding, WECHC has had to fund this major project over two years (2013 and 2014). This impeded the ability to complete other required capital projects.</li> <li>- At present, Housing Services has received over \$1.4 million in unsolicited requests for funding for projects such as carbon monoxide detectors, mold and asbestos issues, roofing, foundation repairs, elevators, major building envelope repairs and accessibility needs. In addition, Housing Services has requested that WECHC provide alternative for regeneration / redevelopment of units at 415 University (Chateau Masson). Cost projections range from \$335,000 (demolition) to \$6M (demolition and redevelopment).</li> </ul> <p>In March 2015, Housing Services received approval of City Council to withdraw up to</p>



## Project Summary

<b>Project #</b>	HCS-001-07	<b>Service Area</b>	Community Development & Health Commissi
<b>Budget Year</b>	2016	<b>Department</b>	Housing & Children Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Housing Administration
<b>Title</b>	Social Housing Reserve Fund		
<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)		

the use of the Social Housing Reserve fund would include the need for energy efficiency upgrades to save on energy costs, necessary elevator upgrades throughout the portfolio and the need to comply with the upcoming AODA built environment requirements.

\$600,000 from the Social Housing Reserve Fund to deal with some of the projects outlined above. That request also included funding to WECHC to secure consulting services to complete a study on the regeneration and rationalization of the Public Housing stock. WECHC is currently in the process of securing these consulting services with the anticipated receipt of a report by Q1-2016. At that time a report will be prepared and brought forward to City Council to outline the findings of the consultant.

<b>Project Comments/Reference</b>
7109003

<b>Version Comments</b>

<b>Project Forecast</b>			
		<b>Revenue</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>
2016	0	0	0
2017	0	0	0
2018	0	0	0
2019	2,000,000	1,326,591	673,409
2020	0	0	0
2021+	48,800,000	32,199,500	16,600,500
	<b>50,800,000</b>	<b>33,526,091</b>	<b>17,273,909</b>

<b>Project Detailed Forecast</b>							
<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Expenses</b>							
5410 Construction Contracts - TCA							
	0	0	0	2,000,000	0	48,800,000	50,800,000
Total :	0	0	0	2,000,000	0	48,800,000	50,800,000
<b>Revenues</b>							
169 Pay As You Go - Capital Reserve							
	0	0	0	1,326,591	0	32,199,500	33,526,091
6340 Net County Cost							
	0	0	0	673,409	0	16,600,500	17,273,909
Total :	0	0	0	2,000,000	0	48,800,000	50,800,000

<b>Historical Approved Budget</b>			
		<b>Revenue</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>
2010	294,000	200,000	94,000

<b>Operating Budget Impact</b>			
<b>Effective Date</b>	<b>Description</b>	<b>Exp/(Rev)</b>	<b>FTE Impact</b>
No Operating Budget Impact			

<b>Related Projects</b>		
<b>Project Title</b>		

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2007	January 01, 2019	Growth: Maintenance:	Mike Deimling	Ongoing



## Project Summary

<b>Project #</b>	HCS-001-14	<b>Service Area</b>	Community Development & Health Commissi
<b>Budget Year</b>	2016	<b>Department</b>	Housing & Children Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Housing Administration
<b>Title</b>	Windsor Essex Community Housing Corporation (DRL) Placeholder		
<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	Version Description
<p>As per the 2014 Enhanced Capital Plan, Council approved in principle funds from the 2018 Debt Reduction Levy (DRL) for allocation towards the Windsor Essex Community Housing Corporation (WECHC).</p> <p>A detailed report to City Council is being prepared by Housing Services, on behalf of WECHC, outlining the proposed use of the funds and requesting the advance of funds over the next three years (2016 to 2018). It is anticipated that an advance of funds will be requested for projects consisting of building envelope repairs (water intrusion issues), elevator improvements (high-rise buildings), deterioration of porches and stoops, roofing replacements, and window and door replacement. WECHC is currently undertaking a building envelope engineering study on a number of their buildings in Leamington, the result of which could affect the work required.</p> <p>WECHC indicates that the advancement of the completion of these projects are warranted as they represent health and safety issues for the residents of the units.</p>	<p>As part of the City of Windsor's Operating Budget, Windsor Essex Community Housing Corporation (CHC) currently receives \$2.7 million annually for capital projects and infrastructure upgrades. CHC's Public Housing portfolio is aging and requests to the City over the last number of years for additional funding for capital purposes have not been approved. CHC currently indicates that should approved funding for capital purposes from the City of Windsor remain at the current level, the unfunded capital liability in 2020 (5 years) will be \$40 million and 2025 (10 years) will be \$63 million.</p> <p>WECHC indicates that "due to the poor condition of certain assets, CHC has strategically deferred capital maintenance in these developments. One single family home has been demolished and within the next 24 months other could follow. These and other developments require regeneration which provides potential opportunities for revenue generating initiatives."</p> <p>In March 2015, Housing Services received approval of City Council to withdraw up to \$600,000 from the Social Housing Reserve Fund to provide much needed capital funding to social housing providers in Windsor/Essex. That request also included funding to WECHC to secure consulting services to complete a study on the regeneration and rationalization of the Public Housing stock. WECHC is currently in the process of securing these consulting services with the anticipated receipt of a report by Q1-2016. At that time, based on the results of the consultant's findings, a detailed report to City Council will be prepared and brought forward.</p>
Project Comments/Reference	Version Comments



# Project Summary

<b>Project #</b>	HCS-001-14	<b>Service Area</b>	Community Development & Health Commissi
<b>Budget Year</b>	2016	<b>Department</b>	Housing & Children Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Housing Administration
<b>Title</b>	Windsor Essex Community Housing Corporation (DRL) Placeholder		
<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 Forecast			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2016	0	0	0
2017	0	0	0
2018	2,234,000	1,500,000	734,000
2019	0	0	0
2020	0	0	0
2021+	0	0	0
	<b>2,234,000</b>	<b>1,500,000</b>	<b>734,000</b>

Historical Approved Budget			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies

Related Projects	
Year Identified	Project Title

Project Detailed Forecast							
GL Account	2016	2017	2018	2019	2020	2021+	Total
<b>Expenses</b>							
5410 Construction Contracts - TCA							
	0	0	2,234,000	0	0	0	2,234,000
Total :	0	0	2,234,000	0	0	0	2,234,000
<b>Revenues</b>							
169 Pay As You Go - Capital Reserve							
	0	0	1,500,000	0	0	0	1,500,000
6340 Net County Cost							
	0	0	734,000	0	0	0	734,000
Total :	0	0	2,234,000	0	0	0	2,234,000

Operating Budget Impact			
Effective Date	Description	Exp/(Rev)	FTE Impact
	No Operating Budget Impact		

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2014	January 01, 2018	Growth: Maintenance:	Mike Deimling/Debbie Cercone	2018



# Project Summary

<b>Project #</b>	HLD-001-11	<b>Service Area</b>	Community Development & Health Commissi
<b>Budget Year</b>	2016	<b>Department</b>	Huron Lodge
<b>Asset Type</b>	Unassigned	<b>Division</b>	Nursing & Personal Care
<b>Title</b>	Wireless Technology		
<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>				<b>Version Description</b>																																																																																																																	
<p>-To install wireless technology throughout the home and implement wireless equipment that will facilitate entry of health care data into Goldcare (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 from Goldcare to allow for wireless entry.</p> <p>-Purchase of additional Goldcare licenses to allow for more users on the system.</p>				<p>As part of the agreement for Medical Pharmacies Group to provide pharmacy services at Huron Lodge (CAO#1805), the proponent will give an annual life enhancement fund for the life of the contract (3 years with the option to extend for an additional 2 years) to be used for a program of Huron Lodge's choice.</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 technology throughout the home.</p> <p>Funding from Medical Pharmacies Group is as follows:            Contract Life 2012-2014 \$240,000            Contract Extension 2015-2016 \$160,000            Total \$400,000</p> <p>This budget is a preliminary estimate based on available information and may change once actual quotes are requested.</p>																																																																																																																	
<b>Project Comments/Reference</b>				<b>Version Comments</b>																																																																																																																	
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Year	Total Expense	Revenue																																																																																																																			
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<b>Expenses</b>																																																																																																																					
5125 Computers - PCs																																																																																																																					
	0	0	0	78,000	0	0	78,000																																																																																																														
<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>78,000</b>	<b>0</b>	<b>0</b>	<b>78,000</b>																																																																																																														
<b>Revenues</b>																																																																																																																					
169 Pay As You Go - Capital Reserve																																																																																																																					
	0	0	0	78,000	0	0	78,000																																																																																																														
<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>78,000</b>	<b>0</b>	<b>0</b>	<b>78,000</b>																																																																																																														
<b>Historical Approved Budget</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></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> </tbody> </table>				Year	Total Expense	Revenue		Net City Cost	Subsidies																																																																																																												
Year	Total Expense	Revenue																																																																																																																			
		Net City Cost	Subsidies																																																																																																																		
<b>Related Projects</b>				<b>Operating Budget Impact</b>																																																																																																																	
Project Title				<b>Effective Date</b>				<b>Description</b>		<b>Exp/(Rev)</b>		<b>FTE Impact</b>																																																																																																									
				2019-01-01				Staff Training (One Time)		16,800		0																																																																																																									
				2019-01-01				Equipment Maintenance (Annual)		3,000		0																																																																																																									
				2019-01-01				Additional Licensing Fees (Annual)		2,200		0																																																																																																									
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>																																																																																																													
2011	January 01, 2019	Growth: Maintenance:		Susan Rogers				2019																																																																																																													



## Project Summary

<b>Project #</b>	HLD-001-12	<b>Service Area</b>	Community Development & Health Commissi
<b>Budget Year</b>	2016	<b>Department</b>	Huron Lodge
<b>Asset Type</b>	Unassigned	<b>Division</b>	Nursing & Personal Care
<b>Title</b>	Huron Lodge Nursing Requirements		
<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>				<b>Version Description</b>							
<p>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).</p> <p>Based on discussions with the supplier and manufacturer's recommendation, this equipment will soon need to be replaced. Most of this equipment is already 7 years old with a life expectancy of 10 - 15 years.</p>				<p>1) Establishment of a Floor Lift replacement program - \$222,000 (10years)</p> <p>2) Establishment of an Alenti/Miranti bath/Tornado/shower chair replacement program - \$420,500 (10years)</p> <p>3) Establishment of a shower tub replacement program - \$210,000 (15 years)</p>							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5110 Machinery & Equipment - TCA							
2017	0	0	0		0	0	0	150,000	150,000	552,500	852,500
2018	0	0	0	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>	<b>150,000</b>	<b>552,500</b>	<b>852,500</b>
2019	150,000	150,000	0	<b>Revenues</b>							
2020	150,000	150,000	0	169 Pay As You Go - Capital Reserve							
2021+	552,500	552,500	0		0	0	0	150,000	150,000	552,500	852,500
	<b>852,500</b>	<b>852,500</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>	<b>150,000</b>	<b>552,500</b>	<b>852,500</b>
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
				2016-01-01	Preventative Maintenance				10,000	0	
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2012	January 01, 2018	Growth: Maintenance:		Susan Rogers				2020+			



# Project Summary

<b>Project #</b>	HLD-002-12	<b>Service Area</b>	Community Development & Health Commissi
<b>Budget Year</b>	2016	<b>Department</b>	Huron Lodge
<b>Asset Type</b>	Unassigned	<b>Division</b>	Program Services
<b>Title</b>	Cooking and Food Preparation 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)		

<b>Project Description</b>				<b>Version Description</b>							
To ensure there is an efficient capital needs for the Dietary Services division of Huron Lodge that addresses risk management, quality assurance and resident care as it relates to legislated food services.				Establishment of a replacement program over the next 5 years to purchase, upgrade or replace Dietary equipment for food storage & preparation. These 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. Equipment such as ovens, steamers, food preparation equipment, heating, food waste disposals and steam tables, have a life span of 8 – 10 years. The current cost to replace an industrial oven is \$35,000 - \$40,000 with an expected life of 8 - 10 years. All equipment is currently 8 years old and replacement is imminent. Continuous repair costs may eventually exceed the cost of full replacement.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5111 Machinery & Equipment -Non TCA							
2017	0	0	0								
2018	40,000	40,000	0				40,000	40,000	0	120,000	200,000
2019	40,000	40,000	0								
2020	0	0	0								
2021+	120,000	120,000	0								
	<b>200,000</b>	<b>200,000</b>	<b>0</b>	<b>Revenues</b>							
				160 Capital Expenditure Reserve							
					0	0	40,000	0	0	0	40,000
				169 Pay As You Go - Capital Reserve							
					0	0	0	40,000	0	120,000	160,000
					0	0	40,000	40,000	0	120,000	200,000
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	No Operating Budget Impact							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2012	January 01, 2018	Growth: Maintenance:		Cathy Harris				2020+			



## Project Summary

<b>Project #</b>	HLD-001-13	<b>Service Area</b>	Community Development & Health Commissi
<b>Budget Year</b>	2016	<b>Department</b>	Huron Lodge
<b>Asset Type</b>	Unassigned	<b>Division</b>	Program Services
<b>Title</b>	Resident & Home Area Beds/Mattresses and Furniture		
<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>				<b>Version 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 seven to ten years is recommended to provide a minimum for furniture replacement.				A replacement program for the beds and mattresses along with mandatory utilitarian furniture are requiring replacement due to age (10+ years) and wear and breakdown from cleaning chemicals.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5130 Furniture & Furnishings							
2017	0	0	0								
2018	0	0	0								
2019	250,000	250,000	0								
2020	100,000	100,000	0								
2021+	1,400,000	1,400,000	0								
	<b>1,750,000</b>	<b>1,750,000</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>	<b>100,000</b>	<b>1,400,000</b>	<b>1,750,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		169 Pay As You Go - Capital Reserve							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
				<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>	<b>100,000</b>	<b>1,400,000</b>	<b>1,750,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2013	January 01, 2019	Growth: Maintenance:		Mary Bateman				2020+			





## Project Summary

<b>Project #</b>	HLD-001-15	<b>Service Area</b>	Community Development & Health Commissi
<b>Budget Year</b>	2016	<b>Department</b>	Huron Lodge
<b>Asset Type</b>	Unassigned	<b>Division</b>	Nursing & Personal Care
<b>Title</b>	Ceiling Lift Replacement Program		
<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>							
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).				This project is for the replacement of the 193 ceiling lifts within Huron Lodge. This is a phased in project to accommodate approximately 5 lifts in the first year and 20 lifts every year thereafter.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
<b>Year</b>	<b>Total Expense</b>	<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
		<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5110 Machinery & Equipment - TCA							
2017	0	0	0								
2018	0	0	0								
2019	115,000	115,000	0								
2020	200,000	200,000	0								
2021+	885,000	885,000	0								
	<b>1,200,000</b>	<b>1,200,000</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>115,000</b>	<b>200,000</b>	<b>885,000</b>	<b>1,200,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
<b>Year</b>	<b>Total Expense</b>	<b>Revenue</b>		169 Pay As You Go - Capital Reserve							
		<b>Net City Cost</b>	<b>Subsidies</b>								
				<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>115,000</b>	<b>200,000</b>	<b>885,000</b>	<b>1,200,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2015	January 01, 2019	Growth: Maintenance:		Susan Rogers				2028			



## Project Summary

<b>Project #</b>	HLD-002-15	<b>Service Area</b>	Community Development & Health Commissi
<b>Budget Year</b>	2016	<b>Department</b>	Huron Lodge
<b>Asset Type</b>	Unassigned	<b>Division</b>	Nursing & Personal Care
<b>Title</b>	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)		

<b>Project Description</b>				<b>Version Description</b>							
To replace equipment for the resident security and access throughout the home as well as the bedside nurse call system from a risk management prospective to address the safety and security of residents.				Due to technology changes, upgrades and infection control concerns, planning for complete replacement of the resident access and nurse bedside call system is projected based on historical data and manufacturer's recommendation on useful life. This would include the current WanderGuard system, bedside nurse call buttons and paging system.  The budget is based on estimates from 2012 and may change by 2018. An additional \$25,000 is being requested for 2019 to compensate for inflationary adjustments and in 2021 we will need funding to replace pagers and spectra link phones that are fundamental communication components in responding to resident needs.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5110 Machinery & Equipment - TCA							
2017	0	0	0		0	0	100,000	25,000	0	20,000	145,000
2018	100,000	100,000	0	<b>Total :</b>	0	0	100,000	25,000	0	20,000	145,000
2019	25,000	25,000	0	<b>Revenues</b>							
2020	0	0	0	169 Pay As You Go - Capital Reserve							
2021+	20,000	20,000	0		0	0	100,000	25,000	0	20,000	145,000
	<b>145,000</b>	<b>145,000</b>	<b>0</b>	<b>Total :</b>	0	0	100,000	25,000	0	20,000	145,000
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
				No Operating Budget Impact							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2015	January 01, 2019	Growth: Maintenance:		Susan Rogers				2020+			



## Project Summary

<b>Project #</b>	HLD-003-15	<b>Service Area</b>	Community Development & Health Commissi
<b>Budget Year</b>	2016	<b>Department</b>	Huron Lodge
<b>Asset Type</b>	Unassigned	<b>Division</b>	Dietary
<b>Title</b>	Replacement of Dish Machines and Other Industrial 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)		

<b>Project Description</b>				<b>Version Description</b>							
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 sanitisation and cleaning practices.				To establish a project for the replacement of the dish machines in the kitchen at Huron Lodge. This equipment has a life span of 8 - 10 years. By 2018 these will need to be replaced as the cost of repairs on old equipment is too costly. Also included in this project is the replacement of other industrial equipment such as hot carts.  The rooftop make-up air unit will also need to be replaced. The estimated cost for this unit is \$110,000.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
<u>Year</u>	<u>Total Expense</u>	<u>Revenue</u>		<u>GL Account</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021+</u>	<u>Total</u>
		<u>Net City Cost</u>	<u>Subsidies</u>	<b>Expenses</b>							
2016	0	0	0	5111 Machinery & Equipment -Non TCA							
2017	0	0	0		0	0	80,000	95,000	0	110,000	285,000
2018	80,000	80,000	0								
2019	95,000	95,000	0								
2020	0	0	0								
2021+	110,000	110,000	0								
	<b>285,000</b>	<b>285,000</b>	<b>0</b>								
<b>Historical Approved Budget</b>				<b>Revenues</b>							
<u>Year</u>	<u>Total Expense</u>	<u>Revenue</u>		169 Pay As You Go - Capital Reserve							
		<u>Net City Cost</u>	<u>Subsidies</u>		0	0	80,000	95,000	0	110,000	285,000
					0	0	80,000	95,000	0	110,000	285,000
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<u>Project Title</u>				<u>Effective Date</u>	<u>Description</u>				<u>Exp/(Rev)</u>	<u>FTE Impact</u>	
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2015	January 01, 2019	Growth: Maintenance:		Cathy Harris				2020+			



# Project Summary

<b>Project #</b>	HLD-004-15	<b>Service Area</b>	Community Development & Health Commissi
<b>Budget Year</b>	2016	<b>Department</b>	Huron Lodge
<b>Asset Type</b>	Unassigned	<b>Division</b>	Dietary
<b>Title</b>	Replacement of Refrigeration and Freezer Equipment		
<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>							
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.				To replace the refrigeration/freezing equipment (19 units) within various locations throughout the home. This equipment has a life expectancy of 8 to 10 years. In 2018, this equipment will need to be replaced as the cost of repairs will be too costly. Items required include walk in's, reach in's. Some units will be purchased new and others can be repaired through the purchase of compressors and motors.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5111 Machinery & Equipment -Non TCA							
2017	0	0	0		0	0	80,000	0	0	0	80,000
2018	80,000	80,000	0	<b>Total :</b>	0	0	80,000	0	0	0	80,000
2019	0	0	0	<b>Revenues</b>							
2020	0	0	0	169 Pay As You Go - Capital Reserve							
2021+	0	0	0		0	0	80,000	0	0	0	80,000
	<b>80,000</b>	<b>80,000</b>	<b>0</b>	<b>Total :</b>	0	0	80,000	0	0	0	80,000
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	No Operating Budget Impact							
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>											
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2015	January 01, 2018	Growth: Maintenance:		Cathy Harris				2020+			



# Project Summary

<b>Project #</b>	HLD-006-15	<b>Service Area</b>	Community Development & Health Commissi
<b>Budget Year</b>	2016	<b>Department</b>	Huron Lodge
<b>Asset Type</b>	Unassigned	<b>Division</b>	Dietary
<b>Title</b>	Hardware and Software for Dietary		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
<p>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 as well as real time resident dietary requirements to mitigate risks such as aspiration, allergic reactions, ministry requirements, consistent proper seating arrangements, etc.</p>				<p>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 on 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.). 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.</p>							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5110 Machinery & Equipment - TCA							
2017	0	0	0		0	0	0	65,000	0	0	65,000
2018	0	0	0	<b>Total :</b>	0	0	0	65,000	0	0	65,000
2019	65,000	65,000	0	<b>Revenues</b>							
2020	0	0	0	169 Pay As You Go - Capital Reserve							
2021+	0	0	0		0	0	0	65,000	0	0	65,000
	<b>65,000</b>	<b>65,000</b>	<b>0</b>	<b>Total :</b>	0	0	0	65,000	0	0	65,000
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
				No Operating Budget Impact							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2015	January 01, 2019	Growth: Maintenance:		Cathy Harris				2019			



# Project Summary

<b>Project #</b>	HCP-011-07	<b>Service Area</b>	Community Development & Health Commissi
<b>Budget Year</b>	2016	<b>Department</b>	Recreation & Culture
<b>Asset Type</b>	Unassigned	<b>Division</b>	Recreation Facilities
<b>Title</b>	Willistead Restoration Improvements Upgrade		
<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>				<b>Version Description</b>																																																																																																																	
<p>The Willistead Board of Directors Restoration Committee has identified a number of capital improvements designed to enhance the overall appearance of the facility as well as maintain its heritage and architectural integrity.</p> <p>The Board of Directors along with the Restoration Committee will review annually a priority list of capital improvements related to heritage and architectural integrity of the Willistead Complex.</p>				Improvements related to heritage and architectural integrity within the Willistead Complex.																																																																																																																	
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2007	January 01, 2020	Growth: Maintenance:		Jan Wilson				Ongoing																																																																																																													



# Project Summary

<b>Project #</b>	REC-002-07	<b>Service Area</b>	Community Development & Health Commissi
<b>Budget Year</b>	2016	<b>Department</b>	Recreation & Culture
<b>Asset Type</b>	Unassigned	<b>Division</b>	Recreation Facilities
<b>Title</b>	Lakeview Park Marina Upgrades		
<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>				<b>Version Description</b>																																																																																																									
Lakeview Marina maintenance and upgrades towards making it a more viable business. Repairs and renovations are required to reconfigure and refurbish docks to make them more suitable to local business and to remain competitive with other facilities.				2020: Continuation of dock repairs, Well Conversion of the 15-20' Wells, Marina Reception and Parking Lot Revamp, East Side and West Side Basin Dock Repair, General Dock Repair and Dredging, ongoing maintenance and general structural repairs.																																																																																																									
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2007	January 01, 2019	Growth: Maintenance:		Jan Wilson/Tom Graziano				2020 and Beyond																																																																																																					



# Project Summary

<b>Project #</b>	REC-003-07	<b>Service Area</b>	Community Development & Health Commissi
<b>Budget Year</b>	2016	<b>Department</b>	Recreation & Culture
<b>Asset Type</b>	Unassigned	<b>Division</b>	Community Centres & Programming
<b>Title</b>	Refurbishment of Municipal Pools		
<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>				<b>Version Description</b>							
Upgrades/refurbishments to municipal pools are required to ensure that they remain functional and do not pose a hazard. With only 1.42 indoor pool tanks per 100,000 population, the City of Windsor is below the OMBI calculated median of 2.12, which means that the infrastructure we do 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.				Funding is required to construct a family change room at Gino and Liz Marcus Community Centre. Currently there is no family change room at the facility and there are issues where the children are not at the age where the parents are comfortable with the child in the change room alone but at the same time they cannot enter the change room with the parent/guardian of the opposite sex. Due to this issue children are being brought into the inappropriate change rooms since there is no family change room currently available at this facility. Gino and Liz Marcus is the only other aquatic facility within the City of Windsor other than the Family Aquatic Complex that is highly utilized by the community.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7069034 See Document Attached											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	100,000	100,000	0		0	100,000	0	100,000	100,000	7,203,000	7,503,000
2018	0	0	0								
2019	100,000	100,000	0								
2020	100,000	100,000	0								
2021+	7,203,000	7,203,000	0								
	<b>7,503,000</b>	<b>7,503,000</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>100,000</b>	<b>100,000</b>	<b>7,203,000</b>	<b>7,503,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		125 Dev Chg - Indoor Recreation							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
2008	466,000	466,000	0		0	90,000	0	90,000	90,000	6,482,700	6,752,700
2009	550,839	550,839	0	169 Pay As You Go - Capital Reserve							
2010	1,000,000	1,000,000	0		0	10,000	0	10,000	10,000	720,300	750,300
2011	1,021,000	1,021,000	0								
2014	325,000	325,000	0	<b>Total :</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>100,000</b>	<b>100,000</b>	<b>7,203,000</b>	<b>7,503,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Follows</b>	<b>Project Title</b>			<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
REC-005-16	Family Change Room @ Gino Marcus Placeholder				No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2007	January 02, 2017	Growth: Maintenance:		Jan Wilson/Tom Graziano				Ongoing			



2017		
<b>Lanspeary</b>		
Rebuild pool - planning	100,000	100,000
<b>Total</b>		<b>100,000</b>

2019				
<b>Booster</b>			<b>Gino A. Marcus Pool</b>	
Repairs to slide	50,000		Replace tables	2,000
Pumps replaced	20,000	70,000	Replace aging banquet chairs	5,000
			Replace Chemtrol system	8,000
			Pool Heater Upgrades	15,000
				30,000
			<b>Total</b>	<b>100,000</b>

2020				
<b>Outdoor pools</b>			<b>Family Aquatic Centre</b>	
Preventative maintenance with pumps and basins	50,000	50,000	Miscellaneous repairs	50,000
			<b>Total</b>	<b>100,000</b>

2021				
<b>Booster</b>			<b>Outdoor pools</b>	
Surfacing in Pebbletec	150,000		Acid wash all tile floors	40,000
Slide repairs	100,000		Preventative maintenance	90,000
Renovate washrooms	100,000		All pools preventative maintenance	40,000
Features refurb	50,000	400,000	Paint, service pumps and chemtrollers	
			Lifeguard chairs	
			Install UV systems at all indoor and outdoor pools	532,000
			Replace chlorinator pumps	20,000
			Spinal Boards	20,000
			Preventative maintenance with pumps and basins	50,000
				792,000
			<b>Family Aquatic Centre</b>	
			Replace chemical stenor pumps	20,000
			Pool pumps to switch out for service	40,000
			Aqua bikes for Therapy Pool	7,000
			Miscellaneous repairs	30,000
			Replace inner tubes	100,000
			Pool pumps serviced	30,000
				227,000
			<b>Gino A. Marcus Pool</b>	
			Family Change Room - Phase 2	1,340,000
			Dectron replacement	145,000
			Repaint entire facility including North	22,000
			Update fitness room equipment	10,000
			Gym lighting update	40,000
			Updating fitness equipment	10,000
			Landscape Upgrades	25,000
			Building Outdoor Lighting Upgrades	15,000
			Paint filter room area and pump room	8,000
			New Roof-top HVAC system	116,000
			Cleaning and interior painting of existing roof structure over pool	48,000
				1,779,000
			<b>Mic Mac</b>	
			Rebuild pool and building	1,500,000
			Pools pumps replaced	10,000
				1,510,000
			<b>Total</b>	<b>7,203,000</b>



# Project Summary

<b>Project #</b>	REC-004-07	<b>Service Area</b>	Community Development & Health Commissi
<b>Budget Year</b>	2016	<b>Department</b>	Recreation & Culture
<b>Asset Type</b>	Unassigned	<b>Division</b>	Community Centres & Programming
<b>Title</b>	Recreation Facility Refurbishments		
<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>				<b>Version Description</b>								
Ongoing upgrades to facilities and services available in municipal recreation areas. A recent review indicates that the median age of our Community Centres is approximately 37 years, with 63.64% of all of our community centres being 25+ years old.												
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
7069035 See Document Attached												
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	50,000	50,000	0	5410 Construction Contracts - TCA								
2017	50,000	50,000	0	50,000	50,000	0	50,000	50,000	909,500	1,109,500		
2018	0	0	0	<hr/>								
2019	50,000	50,000	0	Total :								
2020	50,000	50,000	0	50,000	50,000	0	50,000	50,000	909,500	1,109,500		
2021+	909,500	909,500	0	<b>Revenues</b>								
	<b>1,109,500</b>	<b>1,109,500</b>	<b>0</b>	125 Dev Chg - Indoor Recreation								
<b>Historical Approved Budget</b>				169 Pay As You Go - Capital Reserve								
		<b>Revenue</b>		<hr/>								
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	Total :								
2007	80,000	80,000	0	5,000	5,000	0	5,000	5,000	90,950	110,950		
2009	50,000	50,000	0	45,000	45,000	0	45,000	45,000	818,550	998,550		
2010	150,000	150,000	0	<hr/>								
2011	100,000	100,000	0	Total :								
2012	50,000	50,000	0	50,000	50,000	0	50,000	50,000	909,500	1,109,500		
2013	50,000	50,000	0									
2014	282,000	282,000	0									
2015	50,000	50,000	0									
<b>Related Projects</b>				<b>Operating Budget Impact</b>								
<b>Project Title</b>				<b>Effective Date</b>				<b>Description</b>		<b>Exp/(Rev)</b>		<b>FTE Impact</b>
				No Operating Budget Impact								
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>				
2007	January 01, 2019	Growth:0.0% Maintenance:100.0%		Jan Wilson				Ongoing				

Project #: REC-004-07

Project Name: Recreation Facility  
Refurbishments

2016			
<b>John Atkinson Memorial Centre</b>			
Kitchen cupboards, counter and grease trap replacement	32,000	32,000	
<b>Forest Glade Community Centre</b>			
Kitchen renovations			18,000
			18,000
<b>Total</b>			<b>50,000</b>
2017			
<b>Optimist</b>			
Replace floor tile in ABC room	14,000		
Folding room divider doors in ABC room	16,000		
Replace tile on stage	13,000	43,000	
<b>Forest Glade</b>			
Paint centre			7,000
			7,000
<b>Total</b>			<b>50,000</b>
2019			
<b>Forest Glade Community Centre</b>			
Bathroom Renovation	30,000		
<b>Equipment Replacement (Tables, Chairs, Etc)</b>			20,000
<b>Total</b>			<b>50,000</b>
2020			
<b>All Community Centres</b>			
Various upgrades to equipment and facilities	50,000		
<b>Total</b>			<b>50,000</b>
2021			
<b>Forest Glade Community Centre</b>			
Gymnastic equipment and storage for equipment	17,000		
Update audiovisual equipment	10,000		
Window replacement	40,000		
N room cupboard replacement	15,000		
BC Room Floor	10,000		
N room floor replacement	8,500		
Trampoline	12,000		
Painting	27,000		
Ceiling Tile Replacement (A, BC, D, N & Lobby)	35,000		
		174,500	
<b>Malden Park Visitor Centre</b>			
HVAC Replacement	25,000		
Table and Chair Replacement	7,500		
Painting	10,000		
Replacement of Blinds	10,000		
Bathroom renovations	25,000		
Landscaping Improvements	30,000		
		107,500	
<b>Adie Knox Herman</b>			
John Richardson Library - Plumbing, electrical and structural repairs			103,000
Ceiling tiles			10,000
Glass wall			15,000
Tile the men's/women's change rooms			19,000
New benches			6,000
Outdoor security cameras			25,000
Painting of centre portion			10,000
Tiling hallways with ceramic tile			18,000
Tiling for east wing			8,000
Community Centre equipment and storage			25,000
			239,000
<b>John Atkinson Memorial Centre</b>			
Replace HVAC units			85,000
Replacement of windows (original from 1961)			50,000
Add seating and shade to splash pad			10,000
			145,000
<b>All Community Centres</b>			
Various upgrades to equipment and facilities			243,500
			243,500
<b>Total</b>			<b>909,500</b>



## Project Summary

<b>Project #</b>	REC-002-14	<b>Service Area</b>	Community Development & Health Commissi
<b>Budget Year</b>	2016	<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	Version Description
<p>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".</p> <p>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.</p> <p>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.</p>	<p>This option includes a redevelopment of the property and has the highest capital budget impact. Administration has completed a preliminary capital cost estimate. The estimate provides detail on various components 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. This project could be phased. It is estimated that a minimum of \$1.2 million would be required. This includes the shoreline improvements, a portion of the Landscaping/Site Furnishings component and the walkways component. Any work identified through engineering consultants would be in addition to this estimate. 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.</p>
Project Comments/Reference	Version Comments



# Project Summary

<b>Project #</b>	REC-002-14	<b>Service Area</b>	Community Development & Health Commissi
<b>Budget Year</b>	2016	<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 Forecast			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2016	0	0	0
2017	0	0	0
2018	0	0	0
2019	0	0	0
2020	0	0	0
2021+	5,000,000	5,000,000	0
	<b>5,000,000</b>	<b>5,000,000</b>	<b>0</b>

Historical Approved Budget			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies

Related Projects	
Year Identified	Start Date
2014	September 30, 2018

Project Detailed Forecast							
GL Account	2016	2017	2018	2019	2020	2021+	Total
<b>Expenses</b>							
5410 Construction Contracts - TCA							
	0	0	0	0	0	5,000,000	5,000,000
Total :	0	0	0	0	0	5,000,000	5,000,000
<b>Revenues</b>							
169 Pay As You Go - Capital Reserve							
	0	0	0	0	0	5,000,000	5,000,000
Total :	0	0	0	0	0	5,000,000	5,000,000

Operating Budget Impact			
Effective Date	Description	Exp/(Rev)	FTE Impact
Unknown	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.	0	0

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2014	September 30, 2018	Growth: Maintenance:	Jan Wilson	2020+



# Project Summary

<b>Project #</b>	REC-003-14	<b>Service Area</b>	Community Development & Health Commissi
<b>Budget Year</b>	2016	<b>Department</b>	Recreation & Culture
<b>Asset Type</b>	Unassigned	<b>Division</b>	Recreation Facilities
<b>Title</b>	East Windsor Community Pool		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	Ward 7		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
As per CR225/2014, Report #17309, Council approved the permanent installation of the required warmup pool in a constructed addition at the WFCU Centre.											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7142009											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	0	2,250,000	0	0	2,250,000
2018	0	0	0	<b>Total :</b>	0	0	0	2,250,000	0	0	2,250,000
2019	2,250,000	2,250,000	0	<b>Revenues</b>							
2020	0	0	0	169 Pay As You Go - Capital Reserve							
2021+	0	0	0		0	0	0	2,250,000	0	0	2,250,000
	<b>2,250,000</b>	<b>2,250,000</b>	<b>0</b>	<b>Total :</b>	0	0	0	2,250,000	0	0	2,250,000
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
				2016-01-01	1 Full Time Recreation Assistant (Aquatics), Local 543 position (budgeted for 5 months) 1 Full Time Caretaker, Local 82 position (budgeted for 5 months) The balance of the staffing requirement is made up of temporary, part time recreation staff including lifeguards, instructors, and desk staff. The temporary staff are scheduled according to programming hours. The budget for these positions is also only for 5 months. It is expected the East Windsor pool will not be operational until fall of 2016. As such, this budget issue is for the interim funding for 5 months in 2016 to be funded from the Budget Stabilization Reserve with the establishment of the 5 months of the FTE funding in 2016 and the remaining budget be brought forward in the 2017 budget documents.				277,241	1	
				2017-01-01				626,261	2		



## Project Summary

<b>Project #</b>	REC-003-14	<b>Service Area</b>	Community Development & Health Commissi
<b>Budget Year</b>	2016	<b>Department</b>	Recreation & Culture
<b>Asset Type</b>	Unassigned	<b>Division</b>	Recreation Facilities
<b>Title</b>	East Windsor Community Pool		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	Ward 7		
<b>Version Name</b>	Main (Active)		

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2014	August 25, 2014	Growth: Maintenance:	Jan Wilson	2019



# Project Summary

<b>Project #</b>	REC-001-15	<b>Service Area</b>	Community Development & Health Commissi
<b>Budget Year</b>	2016	<b>Department</b>	Recreation & Culture
<b>Asset Type</b>	Unassigned	<b>Division</b>	Admin - Parks & Recreation
<b>Title</b>	Recreation Software CLASS System Project		
<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>				<b>Version Description</b>																																																																																																																	
Currently the software system is CLASS for processing all transactions in Recreation, Culture and Parks including all programs registrations, rentals for recreation facilities and parks. The current CLASS software will reach its end of life in 2017. This project is essential to ensure that the software system Recreation and Culture will be using in 2017 and beyond will be in place and in use to allow for the continuation of service and business continuity that is currently provided. Information Technology will co-lead the project with Recreation.																																																																																																																					
<b>Project Comments/Reference</b>				<b>Version Comments</b>																																																																																																																	
7161012				The funding source is coming from the dedicated Reserve Account - 1763 Class Reserve-Parks and Recreation.																																																																																																																	
<b>Project Forecast</b>				<b>Project Detailed Forecast</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>2016</td> <td>200,000</td> <td>200,000</td> <td>0</td> </tr> <tr> <td>2017</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>2018</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>2019</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>2020</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>2021+</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td></td> <td><b>200,000</b></td> <td><b>200,000</b></td> <td><b>0</b></td> </tr> </tbody> </table>				Year	Total Expense	Revenue		Net City Cost	Subsidies	2016	200,000	200,000	0	2017	0	0	0	2018	0	0	0	2019	0	0	0	2020	0	0	0	2021+	0	0	0		<b>200,000</b>	<b>200,000</b>	<b>0</b>	<table border="1"> <thead> <tr> <th>GL Account</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021+</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td colspan="8"><b>Expenses</b></td> </tr> <tr> <td>5410 Construction Contracts - TCA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>200,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>200,000</td> </tr> <tr> <td>Total :</td> <td>200,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>200,000</td> </tr> <tr> <td colspan="8"><b>Revenues</b></td> </tr> <tr> <td>7058 TRANSFER From Reserve Account</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>200,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>200,000</td> </tr> <tr> <td>Total :</td> <td>200,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>200,000</td> </tr> </tbody> </table>								GL Account	2016	2017	2018	2019	2020	2021+	Total	<b>Expenses</b>								5410 Construction Contracts - TCA									200,000	0	0	0	0	0	200,000	Total :	200,000	0	0	0	0	0	200,000	<b>Revenues</b>								7058 TRANSFER From Reserve Account									200,000	0	0	0	0	0	200,000	Total :	200,000	0	0	0	0	0	200,000
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		Net City Cost	Subsidies																																																																																																																		
<b>Related Projects</b>				<b>Operating Budget Impact</b>																																																																																																																	
Project Title				<table border="1"> <thead> <tr> <th>Effective Date</th> <th>Description</th> <th>Exp/(Rev)</th> <th>FTE Impact</th> </tr> </thead> <tbody> <tr> <td colspan="4">No Operating Budget Impact</td> </tr> </tbody> </table>								Effective Date	Description	Exp/(Rev)	FTE Impact	No Operating Budget Impact																																																																																																					
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No Operating Budget Impact																																																																																																																					
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>																																																																																																													
2015	January 04, 2016	Growth:0.0% Maintenance:100.0%		Jan Wilson/Matt Caplin				2017																																																																																																													





# Project Summary

<b>Project #</b>	REC-001-16	<b>Service Area</b>	Community Development & Health Commissi
<b>Budget Year</b>	2016	<b>Department</b>	Recreation & Culture
<b>Asset Type</b>	Unassigned	<b>Division</b>	Recreation Facilities
<b>Title</b>	Forest Glade New Gym Addition		
<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>				<b>Version Description</b>											
To construct a new gym addition at Forest Glade Community Centre.															
<b>Project Comments/Reference</b>				<b>Version Comments</b>											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>											
		<b>Revenue</b>													
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<u>GL Account</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021+</u>	<u>Total</u>				
2016	0	0	0	<b>Expenses</b>											
2017	0	0	0	5410 Construction Contracts - TCA											
2018	0	0	0	0	0	0	0	0	0	2,000,000	2,000,000				
2019	0	0	0	0	0	0	0	0	0	2,000,000	2,000,000				
2020	0	0	0	<b>Revenues</b>											
2021+	2,000,000	2,000,000	0	169 Pay As You Go - Capital Reserve											
<b>2,000,000</b>		<b>2,000,000</b>		0	0	0	0	0	0	2,000,000	2,000,000				
<b>0</b>				<b>Total :</b>											
				0	0	0	0	0	0	2,000,000	2,000,000				
				<b>Total :</b>											
				0	0	0	0	0	0	2,000,000	2,000,000				
<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>	<b>Effective Date</b>		<b>Description</b>		<b>Exp/(Rev)</b>		<b>FTE Impact</b>					
				Unknown		Given the information that we currently have the new gym addition at Forest Glade community Centre would be well utilized and received in the community. Based on the average 2014 - 2015 rental income from WFCU and John Atkinson Memorial Centre we are able to forecast an net increase in operating budget income of \$12,350. The \$12,350 is derived from an increase in net revenue of \$44,250 in addition to an increase of \$18,700 in Hydro, \$9,300 in Gas and \$3,900 in water. Caretaking and routine maintenance for the addition are expected to be managed within the current Facilities operation budget.		0		0					
<b>Related Projects</b>				<b>Project Title</b>											
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>							
2016	January 01, 2020	Growth: Maintenance:		Jan Wilson				2021 & Beyond							



# Project Summary

<b>Project #</b>	REC-002-16	<b>Service Area</b>	Community Development & Health Commissi
<b>Budget Year</b>	2016	<b>Department</b>	Recreation & Culture
<b>Asset Type</b>	Unassigned	<b>Division</b>	Recreation Facilities
<b>Title</b>	Lakeview Park Marina Fuel Tanks		
<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>				<b>Version Description</b>																																																																																																																			
<p>A mandatory biannual inspection in 2015 revealed that the cathodic protection on the underground infrastructure for the fuelling system at Lakeview Park Marina has a short in it and is not functional according to TSSA requirements. A preliminary investigation, avoiding excavation, failed to discover the fault in the system. Attempts to excavate to expose the underground piping system to find the fault will be extremely costly, unlikely to be successful, and will likely lead to a required replacement of the system. It is recommended that the tanks and complete fuelling system be replaced.</p>				<p>2016: \$300,000 – Removal &amp; disposal of existing fuel tanks &amp; fuel dispensers, installation of new double wall tank and piping, electronic monitoring, pumps and dispensers in compliance with TSSA standards, and restoration of the affected site paving and green space.</p> <p>If this work is not completed, the fuelling station at the marina will be shut down by TSSA for noncompliance.</p>																																																																																																																			
<b>Project Comments/Reference</b>				<b>Version Comments</b>																																																																																																																			
7161014																																																																																																																							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>																																																																																																																			
<table border="1"> <thead> <tr> <th></th> <th colspan="3">Revenue</th> </tr> <tr> <th>Year</th> <th>Total Expense</th> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr> <td>2016</td> <td>300,000</td> <td>300,000</td> <td>0</td> </tr> <tr> <td>2017</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>2018</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>2019</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>2020</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>2021+</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td></td> <td><b>300,000</b></td> <td><b>300,000</b></td> <td><b>0</b></td> </tr> </tbody> </table>					Revenue			Year	Total Expense	Net City Cost	Subsidies	2016	300,000	300,000	0	2017	0	0	0	2018	0	0	0	2019	0	0	0	2020	0	0	0	2021+	0	0	0		<b>300,000</b>	<b>300,000</b>	<b>0</b>	<table border="1"> <thead> <tr> <th>GL Account</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021+</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td colspan="8"><b>Expenses</b></td> </tr> <tr> <td>5410 Construction Contracts - TCA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>300,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>300,000</td> </tr> <tr> <td>Total :</td> <td>300,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>300,000</td> </tr> <tr> <td colspan="8"><b>Revenues</b></td> </tr> <tr> <td>169 Pay As You Go - Capital Reserve</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>300,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>300,000</td> </tr> <tr> <td>Total :</td> <td>300,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>300,000</td> </tr> </tbody> </table>								GL Account	2016	2017	2018	2019	2020	2021+	Total	<b>Expenses</b>								5410 Construction Contracts - TCA									300,000	0	0	0	0	0	300,000	Total :	300,000	0	0	0	0	0	300,000	<b>Revenues</b>								169 Pay As You Go - Capital Reserve									300,000	0	0	0	0	0	300,000	Total :	300,000	0	0	0	0	0	300,000
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169 Pay As You Go - Capital Reserve																																																																																																																							
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Total :	300,000	0	0	0	0	0	300,000																																																																																																																
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<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>																																																																																																															
2016	January 01, 2016	Growth:100.0% Maintenance:0.0%		Jan Wilson/Tom Graziano				Dec 31, 2016																																																																																																															



# Project Summary

<b>Project #</b>	REC-003-16	<b>Service Area</b>	Community Development & Health Commissi
<b>Budget Year</b>	2016	<b>Department</b>	Recreation & Culture
<b>Asset Type</b>	Unassigned	<b>Division</b>	Cultural Affairs
<b>Title</b>	Windsor & Canada Birthday Celebrations		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
Recreation and Culture is putting forth a request for \$40,000 as a placeholder in the 2016 Capital budget and \$85,000 in the 2017 Capital Budget for the celebration of Windsor's 125th birthday and Canada's 150th birthday.											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7164002											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	40,000	40,000	0	2950 Other Prof Services-External							
2017	85,000	85,000	0		40,000	85,000	0	0	0	0	125,000
2018	0	0	0								
2019	0	0	0								
2020	0	0	0								
2021+	0	0	0								
	<b>125,000</b>	<b>125,000</b>	<b>0</b>	<b>Total :</b>	<b>40,000</b>	<b>85,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>125,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		169 Pay As You Go - Capital Reserve							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>		40,000	85,000	0	0	0	0	125,000
				<b>Total :</b>	<b>40,000</b>	<b>85,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>125,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2016	January 01, 2017	Growth:0.0% Maintenance:100.0%		Cathy Masterson				Dec 31, 2017			



# Project Summary

<b>Project #</b>	REC-005-16	<b>Service Area</b>	Community Development & Health Commissi
<b>Budget Year</b>	2016	<b>Department</b>	Recreation & Culture
<b>Asset Type</b>	Unassigned	<b>Division</b>	Recreation Facilities
<b>Title</b>	Family Change Room @ Gino Marcus Placeholder		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	Ward 5		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version 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.											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	0	0	1,100,000	0	1,100,000
2018	0	0	0								
2019	0	0	0								
2020	1,100,000	1,100,000	0								
2021+	0	0	0								
	<b>1,100,000</b>	<b>1,100,000</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,100,000</b>	<b>0</b>	<b>1,100,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		169 Pay As You Go - Capital Reserve							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>		0	0	0	0	1,100,000	0	1,100,000
				<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,100,000</b>	<b>0</b>	<b>1,100,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Precedes</b>	<b>Project Title</b>			<b>Effective Date</b>	<b>Description</b>			<b>Exp/(Rev)</b>	<b>FTE Impact</b>		
REC-003-07	Refurbishment of Municipal Pools				No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2016		Growth: Maintenance:		Jan Wilson/Tom Graziano							

# **2016 Approved Capital Budget**



## **Capital Project Summaries**

**Office of the Chief Administrative Officer**



# Project Summary

<b>Project #</b>	CAO-001-16	<b>Service Area</b>	Office of the CAO
<b>Budget Year</b>	2016	<b>Department</b>	CAO's Office
<b>Asset Type</b>	Unassigned	<b>Division</b>	CAO's Office
<b>Title</b>	University of Windsor Contribution		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>								
As part of the Federal Government's agreement to transfer the Paul Martin building on Ouellette Avenue over to the City of Windsor, negotiations continue with the University of Windsor to provide for a contribution to convert the building to the new Law School in the downtown core. The expenditure of \$15.0M is to come from the 2019 (\$7.5M) and 2020 (\$7.5M) unallocated debt reduction levy.												
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	0	0	0	5410 Construction Contracts - TCA								
2017	0	0	0		0	0	0	7,500,000	7,500,000	0	15,000,000	
2018	0	0	0									
2019	7,500,000	7,500,000	0									
2020	7,500,000	7,500,000	0									
2021+	0	0	0									
	<b>15,000,000</b>	<b>15,000,000</b>	<b>0</b>	<b>Revenues</b>								
				169 Pay As You Go - Capital Reserve								
					0	0	0	7,500,000	7,500,000	0	15,000,000	
					<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,500,000</b>	<b>7,500,000</b>	<b>0</b>	<b>15,000,000</b>
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>								
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>									
					No Operating Budget Impact							
<b>Related Projects</b>												
Project Title												
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>				
2016	January 01, 2019	Growth: Maintenance:		TBD				2020				



## Project Summary

<b>Project #</b>	CAO-002-16	<b>Service Area</b>	Office of the CAO
<b>Budget Year</b>	2016	<b>Department</b>	CAO's Office
<b>Asset Type</b>	Unassigned	<b>Division</b>	CAO's Office
<b>Title</b>	AMO Conference Host Municipality		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
Per M287-2011, City Council supports Tourism Windsor, Essex & Pelee Island's (TWEPI) submission to the Association of Municipalities of Ontario (AMO) for the purpose of being considered as the host municipality along with the County of Essex for the Annual Conference for 2014, 2015 and 2016.				In 2016, the City of Windsor, along with the County of Essex, has been considered as the host municipality for the annual Association of Municipalities of Ontario (AMO) conference. A \$50,000 hosting fee as the upset limit of the financial contribution will be shared in the amount of \$25,000 each by both the City of Windsor and the County of Essex.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7161002											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	50,000	25,000	25,000	4155 Conference Registration							
2017	0	0	0								
2018	0	0	0								
2019	0	0	0								
2020	0	0	0								
2021+	0	0	0								
	<b>50,000</b>	<b>25,000</b>	<b>25,000</b>	Total :	50,000	0	0	0	0	0	50,000
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		169 Pay As You Go - Capital Reserve							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
				25,000	0	0	0	0	0	0	25,000
				6340 Net County Cost							
				25,000	0	0	0	0	0	0	25,000
				Total :	50,000	0	0	0	0	0	50,000
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2016	January 01, 2016	Growth:100.0% Maintenance:0.0%		TBD				Dec 31 2016			

# **2016 Approved Capital Budget**



## **Capital Project Summaries**

**Office of the Chief Financial Officer**





# Project Summary

<b>Project #</b>	FIN-003-14	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Finance
<b>Asset Type</b>	Unassigned	<b>Division</b>	Asset Planning
<b>Title</b>	Engineering Study for Arenas		
<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>				<b>Version Description</b>							
<p>Arenas represent some of the Corporation's largest consumers of electricity. Currently administration is undertaking a \$40,000 detailed engineering study at Forest Glade Arena and South Windsor Arena, totally funded by the Ontario Power Authority.</p> <p>The study will focus primarily on energy efficiency upgrades for the refrigeration systems serving the arena ice pads. The recommendations resulting from the detailed engineering study with associated costs will be reported to Council for approval and implementation. It is estimated that these costs will be in the range of \$200,000.</p>											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7141043				CR34/2015 approved a pre-commitment of \$100,000 from the 2019 capital budget request of \$200,000. Budget of \$100,000 has been set up in 7141043 - Oakwood Community Centre for 2015 but not funded until 2019.							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	0	200,000	0	0	200,000
2018	0	0	0								
2019	200,000	200,000	0								
2020	0	0	0								
2021+	0	0	0								
	<b>200,000</b>	<b>200,000</b>	<b>0</b>	<b>Revenues</b>							
				169 Pay As You Go - Capital Reserve							
					0	0	0	200,000	0	0	200,000
					<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>	<b>0</b>	<b>200,000</b>
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>			<b>Exp/(Rev)</b>	<b>FTE Impact</b>		
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	2016-01-01	Operational savings			-20,000	0		
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>											
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2014	January 01, 2019	Growth: Maintenance:		Sergio Grando				December 31, 2019			



## Project Summary

<b>Project #</b>	FIN-001-15	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Finance
<b>Asset Type</b>	Unassigned	<b>Division</b>	Asset Planning
<b>Title</b>	Main Energy Consumers Sub-Metering		
<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)		

<p><b>Project Description</b></p> <p>Administration will develop a sub-metering project at two strategic locations that represent two of the City's main energy consumers - Lou Romano and WIATC.</p> <p>Sub-metering is the monitoring of the electrical, gas, water, steam or other commodities' consumption by individual equipment, processes or systems in a building. Sub-metering can be used to measure energy consumption of HVAC, lighting, refrigeration, compressors, pumps, etc. In addition to the main meter used by utilities to determine overall building consumption, sub-metering utilizes individual meters that allow building and facility managers to have real-time visibility into the energy use and performance of the equipment, creating opportunities for energy and capital savings.</p> <p>Traditional utility bill analysis uses information that is up to 45 days after usage and is too aggregated (about 30 days). Sub-metering addresses this information gap providing real-time granular visibility of energy consumption, therefore can be utilized to optimize operations and save energy.</p>	<p><b>Version Description</b></p> <p>Sub-metering has the potential to help saving approximately 2% the annual energy consumption that translates to \$60,000 in savings. Approximate payback of the project is less than 3 years.</p> <p>Benefits include:</p> <ul style="list-style-type: none"> <li>- Identification of unnecessary equipment running at night, off shift or during weekends.</li> <li>- Ability to transmit information back to operators and facility managers the same day and provide operators with feedback the next day about implemented changes.</li> <li>- Comparison and benchmarking of usage across similar facilities and over time.</li> <li>- Detection of utility bill errors by comparing sub-meter usage with actual utility bill.</li> <li>- Better management of electricity usage when the facility faces demand limits or peak usage pricing.</li> </ul> <p>The OPA (Ontario Power Authority) provide incentives for these type of projects in the amount of \$20,000.</p>																																																																																																										
<p><b>Project Comments/Reference</b></p>	<p><b>Version Comments</b></p>																																																																																																										
<p><b>Project Forecast</b></p> <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>2016</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>2017</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>2018</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>2019</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>2020</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>2021+</td> <td>150,000</td> <td>150,000</td> <td>0</td> </tr> <tr> <td></td> <td><b>150,000</b></td> <td><b>150,000</b></td> <td><b>0</b></td> </tr> </tbody> </table>	Year	Total Expense	Revenue		Net City Cost	Subsidies	2016	0	0	0	2017	0	0	0	2018	0	0	0	2019	0	0	0	2020	0	0	0	2021+	150,000	150,000	0		<b>150,000</b>	<b>150,000</b>	<b>0</b>	<p><b>Project Detailed Forecast</b></p> <table border="1"> <thead> <tr> <th>GL Account</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021+</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td colspan="8"><b>Expenses</b></td> </tr> <tr> <td>5410 Construction Contracts - TCA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>150,000</td> <td>150,000</td> </tr> <tr> <td>Total :</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>150,000</td> <td>150,000</td> </tr> <tr> <td colspan="8"><b>Revenues</b></td> </tr> <tr> <td>169 Pay As You Go - Capital Reserve</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>150,000</td> <td>150,000</td> </tr> <tr> <td>Total :</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>150,000</td> <td>150,000</td> </tr> </tbody> </table>	GL Account	2016	2017	2018	2019	2020	2021+	Total	<b>Expenses</b>								5410 Construction Contracts - TCA									0	0	0	0	0	150,000	150,000	Total :	0	0	0	0	0	150,000	150,000	<b>Revenues</b>								169 Pay As You Go - Capital Reserve									0	0	0	0	0	150,000	150,000	Total :	0	0	0	0	0	150,000	150,000
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<p><b>Related Projects</b></p> <p>Project Title</p>																																																																																																											



## Project Summary

<b>Project #</b>	FIN-001-15	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Finance
<b>Asset Type</b>	Unassigned	<b>Division</b>	Asset Planning
<b>Title</b>	Main Energy Consumers Sub-Metering		
<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)		

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2015	July 01, 2020	Growth: Maintenance:	Sergio Grando/Sokol Aliko	2020+



# Project Summary

<b>Project #</b>	FIN-002-15	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Finance
<b>Asset Type</b>	Unassigned	<b>Division</b>	Asset Planning
<b>Title</b>	Corporate Wide Facilities LED Lighting Conversion		
<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>				<b>Version Description</b>							
<p>This project will entail converting where applicable all fluorescent lights, metal halide, and other lighting technology to LED lighting at all corporate facilities. The project will be implemented over a three year period and will include all city operated offices and facilities.</p> <p>The efficiency and current cost of LED lights make them a viable solution to replacing the traditional lights. The electricity savings could be from 50% up to 10 relative to other types of lamps. They are even more efficient than the advanced T8 and T5 linear fluorescent lamps. Furthermore, LED lights last more than 75,000 hours compared to 1,000 hours for incandescent lamps, 10,000 for compact fluorescent lamps, and 30,000 hours for linear fluorescent lamps.</p>				<p>A conservative savings projection of 12% can be attributed to LED conversion. The estimation based on a conversion of approximately 50,000 lamps in City facilities and buildings. With prices that range from \$10-\$50 per lamp / fixture, the cost of LED conversion, including labour, is around \$1,100,000.</p> <p>Annual savings will be approximately \$225,000 and the payback of the project is about 5 years.</p> <p>The project will be implemented in stages over a three-year timeframe, starting with incandescent, sodium, and metal halide lights.</p>							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	0	1,200,000	0	0	1,200,000
2018	0	0	0	<b>Total :</b>	0	0	0	1,200,000	0	0	1,200,000
2019	1,200,000	1,200,000	0	<b>Revenues</b>							
2020	0	0	0	169 Pay As You Go - Capital Reserve	0	0	0	1,200,000	0	0	1,200,000
2021+	0	0	0	<b>Total :</b>	0	0	0	1,200,000	0	0	1,200,000
	<b>1,200,000</b>	<b>1,200,000</b>	<b>0</b>								
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	2016-01-01	Operational savings				-225,000	0	
<b>Related Projects</b>				<b>Project Title</b>							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2015	July 01, 2020	Growth: Maintenance:		Sergio Grando/Sokol Aliko				2020+			



# Project Summary

<b>Project #</b>	FIN-003-15	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Finance
<b>Asset Type</b>	Unassigned	<b>Division</b>	Asset Planning
<b>Title</b>	Corporate Wide Facilities Lighting Sensors and Timers		
<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>				<b>Version Description</b>							
<p>This project will consist of installing timers and occupancy/photo sensors in all applicable locations in city buildings and facilities. By turning lights off when spaces are unoccupied, occupancy sensors and timers compliment load reductions accomplished by lamp retrofits, giving building operators additional opportunities to improve energy savings without compromising lighting service. With typical estimated energy savings potential from 25% to more than 50% of lighting energy, occupancy sensors have frequently been promoted as one of the most cost effective technologies available for retrofitting. The magnitude of the savings will depend upon the time delay setting, and when the peak demand occurs, which may vary among building types.</p>											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	55,000	0	5,000	0	60,000
2018	55,000	55,000	0	<b>Total :</b>	0	0	55,000	0	5,000	0	60,000
2019	0	0	0	<b>Revenues</b>							
2020	5,000	5,000	0	160 Capital Expenditure Reserve	0	0	55,000	0	5,000	0	60,000
2021+	0	0	0	<b>Total :</b>	0	0	55,000	0	5,000	0	60,000
	<b>60,000</b>	<b>60,000</b>	<b>0</b>								
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>			<b>Exp/(Rev)</b>	<b>FTE Impact</b>		
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	Unknown	The estimated annual savings are \$15,000 with a simple payback period of 4 years.			0	0		
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>											
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2015	July 01, 2020	Growth: Maintenance:		Sergio Grando/Sokol Aliko				2020+			



# Project Summary

<b>Project #</b>	FIN-004-15	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Finance
<b>Asset Type</b>	Unassigned	<b>Division</b>	Asset Planning
<b>Title</b>	400 City Hall Energy Efficiency Upgrade		
<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>				<b>Version Description</b>							
<p>The City of Windsor is participating in the Canada-wide "Town Hall Challenge" campaign. This program compiles good practice design, retrofit and operational metrics for lighting, equipment, HVAC, and other building systems to create a model building operating at 20 kWh/ft2. Participating in the campaign exhibits a commitment to achieve the target of 20 kWh/ft2 by 2015. The City of Windsor currently ranks fifth among reporting "Town Halls".</p>											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<b>Expenses</b>							
2016	0	0	0	2915 Consulting Services - External							
2017	0	0	0		0	0	0	0	0	100,000	100,000
2018	0	0	0								
2019	0	0	0								
2020	0	0	0								
2021+	100,000	100,000	0								
	<b>100,000</b>	<b>100,000</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>100,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		169 Pay As You Go - Capital Reserve							
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>		0	0	0	0	0	100,000	100,000
				<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>100,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
				Unknown	The saving potential is around \$20,000 a year. The energy audit undertaken by MCW Energy Solutions Inc. (July 2014) will identify and recommend specific energy reduction measures. Approximate payback of the project is 2-3 years.				0	0	
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2015	July 01, 2020	Growth: Maintenance:		Sergio Grando/Sokol Aliko				2020+			



# Project Summary

<b>Project #</b>	FIN-005-15	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Finance
<b>Asset Type</b>	Unassigned	<b>Division</b>	Asset Planning
<b>Title</b>	Little River Pollution Control Plant Energy Efficiency Measures Implementation		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>	Ward 7		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
<p>The City is completing an Engineering Study at Little River Plant as part of the 2014 Capital Budget energy efficiency project that will identify energy savings opportunities. The project identified below will be developed in tandem with the 2014 study.</p> <p>The preliminary findings show that elimination of the dewatered sludge pumps and replacement with augers will save approximately 400,000 kWh annually.</p>											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	2915 Consulting Services - External							
2017	0	0	0								
2018	0	0	0								
2019	0	0	0								
2020	150,000	150,000	0						150,000	0	150,000
2021+	0	0	0								
	<b>150,000</b>	<b>150,000</b>	<b>0</b>	<b>Revenues</b>							
				132 Little River PCP							
					0	0	0	0	150,000	0	150,000
					0	0	0	0	150,000	0	150,000
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
				Unknown	Total annual savings will be \$52,000 with a simple payback period of approximately 3 years.				0	0	
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2015	July 01, 2020	Growth: Maintenance:		Sergio Grando/Sokol Aliko				2020+			



# Project Summary

<b>Project #</b>	FIN-006-15	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Finance
<b>Asset Type</b>	Unassigned	<b>Division</b>	Asset Planning
<b>Title</b>	Transit Windsor Installation of NOx and CO Sensors		
<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>				<b>Version Description</b>							
<p>The NO<sub>x</sub> / CO detection system is used to monitor the levels of nitrogen oxide and carbon monoxide in the building which are toxic gases created when diesel engines and natural gas fired equipment is running. A NO<sub>x</sub> / CO detection system exists at Transit Windsor Bus Storage area however this system is not operational. The exhaust fans operate continuously instead of being controlled by the detection system.</p> <p>The outdated and inoperative system will be replaced with a new system, consisting of 12 NO<sub>x</sub> sensors, 12 CO sensors and a controller. These sensors will operate in conjunction with the ventilation systems in the Bus Storage area, resulting in reduced runtimes for the systems when NO<sub>x</sub> and CO levels are within acceptable limits.</p>				Approximate payback of the project is 7 years.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5411 Construction Contracts-Non TCA							
2017	0	0	0		0	0	60,000	0	2,000	0	62,000
2018	60,000	60,000	0	<b>Total :</b>	0	0	60,000	0	2,000	0	62,000
2019	0	0	0	<b>Revenues</b>							
2020	2,000	2,000	0	160 Capital Expenditure Reserve	0	0	60,000	0	2,000	0	62,000
2021+	0	0	0	<b>Total :</b>	0	0	60,000	0	2,000	0	62,000
	<b>62,000</b>	<b>62,000</b>	<b>0</b>								
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>	<b>Exp/(Rev)</b>	<b>FTE Impact</b>				
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	Unknown	The NO <sub>x</sub> / CO detection could reduce the energy consumption by 30% and bring savings of about \$8,500 annually.	0	0				
<b>Related Projects</b>				<b>Project Title</b>							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2015	July 01, 2020	Growth: Maintenance:		Sergio Grando/Sokol Aliko				2020+			





# Project Summary

<b>Project #</b>	FIN-007-15	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Finance
<b>Asset Type</b>	Unassigned	<b>Division</b>	Asset Planning
<b>Title</b>	Huron Lodge Recommissioning/LED Lighting/Sub-metering		
<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>				<b>Version Description</b>								
<p>Huron Lodge Long Term Care facility consumed 3.3 million kWh and 565,000 cubic meters of Natural Gas in 2013 for a total annual expenditure of \$530,000. The energy intensity of 52.3 kWh/m<sup>3</sup> is high compared to similar facilities in Ontario. Recommissioning efforts will be complemented by introduction of LED lighting and sub-metering.</p>				<p>Approximate payback of the project is 2-4 years.</p> <p>The primary focus of the re-commissioning effort is the principal electric energy consuming equipment in the facility, typically consisting of the systems and equipment below:</p> <ul style="list-style-type: none"> <li>- Chiller Plant &amp; Auxiliaries</li> <li>- Cooling Tower</li> <li>- Air Distribution System</li> <li>- Air Conditioning System</li> <li>- Control System</li> </ul>								
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	0	0	0	5410 Construction Contracts - TCA								
2017	0	0	0		0	0	0	0	0	50,000	50,000	
2018	0	0	0		0	0	0	0	0	50,000	50,000	
2019	0	0	0		0	0	0	0	0	50,000	50,000	
2020	0	0	0		0	0	0	0	0	50,000	50,000	
2021+	50,000	50,000	0		0	0	0	0	0	50,000	50,000	
	<b>50,000</b>	<b>50,000</b>	<b>0</b>	<b>Revenues</b>								
				169 Pay As You Go - Capital Reserve								
					0	0	0	0	0	50,000	50,000	
					0	0	0	0	0	50,000	50,000	
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>								
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>		
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	Unknown	Preliminary studies have shown that recommissioning of the facility would reduce the consumption by up to 5%.				0	0		
<b>Related Projects</b>	<b>Project Title</b>											
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>				
2015	July 01, 2020	Growth: Maintenance:		Sergio Grando/Sokol Aliko				2020+				



# Project Summary

<b>Project #</b>	FIN-009-15	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Finance
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Finance
<b>Title</b>	Capital Reserve Allocation		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Other		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version 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 high cost 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.																																																																																			
<b>Project Comments/Reference</b>				<b>Version Comments</b>																																																																															
				As per the approved 2014 5-year Capital Plan, Council approved in principle funds from the 2016 - 2018 Debt Reduction Levy for reserve enhancement.																																																																															
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>																																																																															
				<table border="1"> <thead> <tr> <th>GL Account</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021+</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td colspan="8"><b>Expenses</b></td> </tr> <tr> <td>4248 TRANSFER to Reserve Account</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>3,210,000</td> <td>3,210,000</td> <td>3,210,000</td> <td>3,210,000</td> <td>3,210,000</td> <td>3,210,000</td> <td>19,260,000</td> </tr> <tr> <td>Total :</td> <td>3,210,000</td> <td>3,210,000</td> <td>3,210,000</td> <td>3,210,000</td> <td>3,210,000</td> <td>3,210,000</td> <td>19,260,000</td> </tr> <tr> <td colspan="8"><b>Revenues</b></td> </tr> <tr> <td>169 Pay As You Go - Capital Reserve</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>3,210,000</td> <td>3,210,000</td> <td>3,210,000</td> <td>3,210,000</td> <td>3,210,000</td> <td>3,210,000</td> <td>19,260,000</td> </tr> <tr> <td>Total :</td> <td>3,210,000</td> <td>3,210,000</td> <td>3,210,000</td> <td>3,210,000</td> <td>3,210,000</td> <td>3,210,000</td> <td>19,260,000</td> </tr> </tbody> </table>								GL Account	2016	2017	2018	2019	2020	2021+	Total	<b>Expenses</b>								4248 TRANSFER to Reserve Account									3,210,000	3,210,000	3,210,000	3,210,000	3,210,000	3,210,000	19,260,000	Total :	3,210,000	3,210,000	3,210,000	3,210,000	3,210,000	3,210,000	19,260,000	<b>Revenues</b>								169 Pay As You Go - Capital Reserve									3,210,000	3,210,000	3,210,000	3,210,000	3,210,000	3,210,000	19,260,000	Total :	3,210,000	3,210,000	3,210,000	3,210,000	3,210,000	3,210,000	19,260,000
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<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>																																																																											
2015	January 01, 2016	Growth:100.0% Maintenance:0.0%		Victor Ferranti				2019																																																																											



# Project Summary

<b>Project #</b>	FIN-001-14	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<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>				<b>Version Description</b>							
To update Development Charges Study and Bylaw every 5 years, as per the Development Charges Act.											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7142002											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	0	40,000	40,000	0	80,000
2018	0	0	0								
2019	40,000	40,000	0								
2020	40,000	40,000	0	<b>Total :</b>	0	0	0	40,000	40,000	0	80,000
2021+	0	0	0	<b>Revenues</b>							
	<b>80,000</b>	<b>80,000</b>	<b>0</b>	121 Dev Chg - General							
					0	0	0	40,000	40,000	0	80,000
				<b>Total :</b>	0	0	0	40,000	40,000	0	80,000
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
2014	40,000	40,000	0								
2015	40,000	40,000	0								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2016	January 01, 2019	Growth: Maintenance:		Tony Ardovini				December 31, 2020			



# Project Summary

<b>Project #</b>	FIN-005-16	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Finance
<b>Asset Type</b>	Unassigned	<b>Division</b>	Taxation & Financial Projects
<b>Title</b>	Tax Payment Automation - Cheque Scanner		
<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>				<b>Version Description</b>							
<p>The Finance Department administers over 80,000 property tax accounts, with Interim and Final Billings occurring annually in January and June. Payments are received on a daily basis with the main preferred method being by way of cheque (either through drop off boxes or mail in), with significant increases in activity during the timeframe of the six installment deadlines. Currently, cheque payment processing is completed manually in batches requiring additional staff resources during peak periods, once processed cheque payments are transferred to a financial institution via armoured car service. The functionality of a cheque payment scanner to batch payments and interface with the Amanda Tax Software will enhance the payment processing efficiency of the Tax Department and will include the ability to retain an image of the cheque payment for a specified period of time (a function that is currently not available). Further the automated remote deposit will allow for tax payments to be credited to the City's bank account daily.</p>											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7162001											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	50,000	50,000	0	5410 Construction Contracts - TCA							
2017	0	0	0		50,000	0	0	0	0	0	50,000
2018	0	0	0								
2019	0	0	0								
2020	0	0	0								
2021+	0	0	0								
	<b>50,000</b>	<b>50,000</b>	<b>0</b>	<b>Revenues</b>							
				160 Capital Expenditure Reserve							
					50,000	0	0	0	0	0	50,000
					<b>Total :</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>			<b>Exp/(Rev)</b>	<b>FTE Impact</b>		
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	2016-01-01	Annual Maintenance			6,100	0		
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>											
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2016	January 01, 2016	Growth:100.0% Maintenance:0.0%		Tano Ferraro				2016			



## Project Summary

<b>Project #</b>	FIN-006-16	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Finance
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Finance
<b>Title</b>	(Legislated) Liability for Contaminated Sites		
<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	Version Description
<p>By virtue of the Municipal Act, the City is legislatively required to prepare audited financial statements on the basis of Public Sector Accounting Board (PSAB) standards. PSAB has introduced a new standard 3260 Liability for Contaminated Sites which the City is required to comply with in our 2015 consolidated financial statements (to be prepared in early 2016). For contaminated sites no longer in use or for which the City has assumed responsibility, we will be required to estimate:</p> <ul style="list-style-type: none"> <li>• Costs directly attributable to remediation activities</li> <li>• Post-remediation operation, maintenance and monitoring that are an integral part of the remediation strategy for a contaminated site</li> <li>• The estimate of assets acquired, or to be acquired, as part of remediation activities to the extent those assets have no alternative use</li> </ul> <p>We have already hosted a workshop with senior management across the City and have identified a number of potentially in-scope sites. In order to obtain verifiable data required to create an auditable estimate of the City's liability for contaminated sites, we will need to incur the following expenses:</p> <ul style="list-style-type: none"> <li>- Internal project staff support</li> <li>- Technical accounting consulting</li> <li>- Consultant Site Assessments of potentially significant sites</li> <li>- Additional audit costs</li> </ul> <p>While the project is intended to satisfy the requirements of PSAB 3260 in the most cost effective manner possible, neither PSAB 3260 or this project provides any funding plan or remediation plan to actually manage or remediate any contaminated sites. Notwithstanding the above, any site assessments completed through this project may provide useful information as the City makes decisions to manage or remediate these sites.</p> <p>Estimated Funding Requirements – up to \$200,000 in 2015/2016</p>	
Project Comments/Reference	Version Comments
7161003	



# Project Summary

<b>Project #</b>	FIN-006-16	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Finance
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Finance
<b>Title</b>	(Legislated) Liability for Contaminated Sites		
<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 Forecast		Revenue	
Year	Total Expense	Net City Cost	Subsidies
2016	200,000	200,000	0
2017	0	0	0
2018	0	0	0
2019	0	0	0
2020	0	0	0
2021+	0	0	0
	<b>200,000</b>	<b>200,000</b>	<b>0</b>

Historical Approved Budget		Revenue	
Year	Total Expense	Net City Cost	Subsidies

Related Projects	
Year Identified	Project Title

Project Detailed Forecast							
GL Account	2016	2017	2018	2019	2020	2021+	Total
<b>Expenses</b>							
5410 Construction Contracts - TCA							
	200,000	0	0	0	0	0	200,000
Total :	200,000	0	0	0	0	0	200,000
<b>Revenues</b>							
169 Pay As You Go - Capital Reserve							
	200,000	0	0	0	0	0	200,000
Total :	200,000	0	0	0	0	0	200,000

Operating Budget Impact			
Effective Date	Description	Exp/(Rev)	FTE Impact
Unknown	The PSAB standard (not necessarily the project) may have an operating impact – TBD	0	0

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2016	January 01, 2016	Growth:0.0% Maintenance:100.0%	Dan Seguin	Ongoing



# Project Summary

<b>Project #</b>	FIN-007-16	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Finance
<b>Asset Type</b>	Unassigned	<b>Division</b>	Financial Planning
<b>Title</b>	Ward Funds Placeholder		
<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>				<b>Version 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.												
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	0	0	0	5410 Construction Contracts - TCA								
2017	0	0	0		0	0	0	0	400,000	0	400,000	
2018	0	0	0									
2019	0	0	0									
2020	400,000	400,000	0									
2021+	0	0	0									
	<b>400,000</b>	<b>400,000</b>	<b>0</b>	<b>Revenues</b>								
				169 Pay As You Go - Capital Reserve								
					0	0	0	0	400,000	0	400,000	
					<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>400,000</b>	<b>0</b>	<b>400,000</b>
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>								
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>									
				No Operating Budget Impact								
<b>Related Projects</b>												
Project Title												
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>				
2016		Growth: Maintenance:										



# Project Summary

<b>Project #</b>	ITC-002-07	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Technology Infrastructure
<b>Title</b>	Reliable Electronic Storage		
<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>				<b>Version Description</b>								
<p>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. Due to the nature of our current technology we do not have the ability to do discovery or searches for emails related to a particular subject that have been deleted. 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 IT services.</p>				<p>2017: Increase the capacity of the email system to hold large volumes of emails. Complete archiving project that will add an indexing solution to help with the organizing and retrieval, such as Freedom of Information. Complete an RFP to select a new storage platform to phase out older technology over the next several years.</p> <p>2018: Upgrade and expand the enterprise backup and retrieval system as the current system will be approaching end of life.</p> <p>2019+: Continue to phase out the older platform with the newer higher capacity better performing technologies.</p>								
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
7069900												
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	0	0	0	5411 Construction Contracts-Non TCA								
2017	100,000	100,000	0		0	100,000	100,000	150,000	150,000	300,000	800,000	
2018	100,000	100,000	0									
2019	150,000	150,000	0									
2020	150,000	150,000	0									
2021+	300,000	300,000	0									
	<b>800,000</b>	<b>800,000</b>	<b>0</b>	<b>Revenues</b>								
				160 Capital Expenditure Reserve								
					0	100,000	100,000	150,000	150,000	300,000	800,000	
					<b>Total :</b>	<b>0</b>	<b>100,000</b>	<b>100,000</b>	<b>150,000</b>	<b>150,000</b>	<b>300,000</b>	<b>800,000</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>									
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									
<b>Related Projects</b>												





## Project Summary

<b>Project #</b>	ITC-002-07	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Technology Infrastructure
<b>Title</b>	Reliable Electronic Storage		
<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 Title			Effective Date	Description	Exp/(Rev)	FTE Impact
			Unknown	Failing to fund the replacement of older storage will result in higher maintenance and repair costs, increase the risk of system failures resulting in lost productivity. Failing to expand the system would also result in the inability to meet regulatory compliance as we would be forced to delete information or potentially lose information assets without the proper backup and recovery capabilities.	0	0

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2007	January 01, 2015	Growth: Maintenance:	Norm Synnott	Ongoing



## Project Summary

<b>Project #</b>	ITC-003-07	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Technology Infrastructure
<b>Title</b>	Network Infrastructure		
<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	Version Description
<p>This project is critical to the Corporation's I.T. Infrastructure. It allows 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 I.T.'s 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. Planned wireless in building networks will also be delayed further, while it is becoming commonplace in other organizations. In addition to the direct impact on service, delaying this work will also delay planned operational cost savings that are required to meet operating budget targets</p>	<p>Ongoing maintenance of existing systems and deployment of new technologies is critical to maintaining expected levels of service.</p> <p>2016: Continue to expand Wi-Fi deployment. Management tools are now required tools for greater visibility and control of the Wi-Fi network. Continue with installation of a fibre optic cable in coordination with Public Works to improve connectivity to remote sites (currently able to add 1 or 2 sites per year). Implement network logging tools for increased security and visibility of the network.</p> <p>2017: Improve networking services for remote and mobile users (since Microsoft has announced its end of life for our current solution). Increase connectivity in the network core with 10GB switching.</p> <p>Continuation of server and storage virtualization and business continuity improvements to systems like Exchange (email) and other enterprise applications. Remote access upgrades and improvement to mobility infrastructure.</p> <p>2018+: 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) may require a large portion of these funds in later years if the PAYG reserve fund cannot adequately cover the replacement costs of the WLANs and if an increase in the PAYG reserve fund does not result.</p>
Project Comments/Reference	Version Comments
<p>7059903</p>	



# Project Summary

<b>Project #</b>	ITC-003-07	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Technology Infrastructure
<b>Title</b>	Network Infrastructure		
<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 Forecast			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2016	0	0	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+	715,000	715,000	0
	<b>1,445,000</b>	<b>1,445,000</b>	<b>0</b>

Historical Approved Budget			
Year	Total Expense	Revenue	
		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

Related Projects	
Year Identified	Start Date
2007	January 01, 2015

Project Detailed Forecast							
GL Account	2016	2017	2018	2019	2020	2021+	Total
<b>Expenses</b>							
2951 INTERNAL Service Salary Allocn	0	100,000	101,141	101,141	110,000	110,000	522,282
5411 Construction Contracts-Non TCA	0	0	98,859	98,859	120,000	605,000	922,718
<b>Total :</b>	<b>0</b>	<b>100,000</b>	<b>200,000</b>	<b>200,000</b>	<b>230,000</b>	<b>715,000</b>	<b>1,445,000</b>
<b>Revenues</b>							
160 Capital Expenditure Reserve	0	100,000	200,000	200,000	230,000	715,000	1,445,000
<b>Total :</b>	<b>0</b>	<b>100,000</b>	<b>200,000</b>	<b>200,000</b>	<b>230,000</b>	<b>715,000</b>	<b>1,445,000</b>

Operating Budget Impact			
Effective Date	Description	Exp/(Rev)	FTE Impact
Unknown	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.	0	0

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2007	January 01, 2015	Growth: Maintenance:	Norm Synnott	Ongoing



# Project Summary

<b>Project #</b>	ITC-005-07	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Technology Infrastructure
<b>Title</b>	Security		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<table border="1"> <tr> <th colspan="4">Project Description</th> </tr> <tr> <td colspan="4"> <p>The security framework methodology is now being used during the implementation of new I.T. projects and during change management processes to existing applications and services. Ongoing funding is required to ensure security measures are meeting the City's 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.</p> </td> </tr> </table>	Project Description				<p>The security framework methodology is now being used during the implementation of new I.T. projects and during change management processes to existing applications and services. Ongoing funding is required to ensure security measures are meeting the City's 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.</p>				<table border="1"> <tr> <th colspan="8">Version Description</th> </tr> <tr> <td colspan="8"> <p>Implementation of risk mitigation strategies as prioritized through the Security Framework Methodology will be conducted from 2016 through 2020 and beyond.</p> <p>2016: Finalize implementation of system log solution. Have an external audit of the corporate WiFi network. Develop employee training and awareness around digital security.</p> <p>2017+: Improved Identity and Authentication Management; Expanded use of Digital Certificates and Digital signatures; Data encryption technologies; Continue to improve security for mobility technologies for a remote workforces (Any device from anywhere access technologies).</p> </td> </tr> </table>	Version Description								<p>Implementation of risk mitigation strategies as prioritized through the Security Framework Methodology will be conducted from 2016 through 2020 and beyond.</p> <p>2016: Finalize implementation of system log solution. Have an external audit of the corporate WiFi network. Develop employee training and awareness around digital security.</p> <p>2017+: Improved Identity and Authentication Management; Expanded use of Digital Certificates and Digital signatures; Data encryption technologies; Continue to improve security for mobility technologies for a remote workforces (Any device from anywhere access technologies).</p>																																																																																																							
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## Project Summary

<b>Project #</b>	ITC-005-07	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Technology Infrastructure
<b>Title</b>	Security		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2007	January 01, 2015	Growth:0.0% Maintenance:100.0%	Steve Francia	Ongoing



# Project Summary

<b>Project #</b>	ITC-006-07	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Technology Infrastructure
<b>Title</b>	Disaster Recovery		
<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>				<b>Version Description</b>							
Information Technology moved into a new Data Centre in 2011. Some capital funding is still required for expansion as data and I.T. requirements continue to grow. In order to reduce the impact to I.T. operations in the event of a major disaster involving the Data Centre, I.T. will replicate a portion of the facility to an offsite location. This capital budget is used to reduce risk of system breach or exposure of sensitive data, which could impact the operational budget.				2017: Improve UPS and power in the Windsor Public Library server room. Replicate data and portions of systems to that location. Explore partnerships with other CWE (Connecting Windsor Essex) partners for Disaster Recovery synergies. Explore cloud options for DR or replication of data or services. 2018: Based on results of 2017 analysis, reduce mean time to recover for critical systems using alternate DR facility or cloud location. 2019+: Continue to scale out the number of systems or services that can be replicated to chosen DR solution.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7074016											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5411 Construction Contracts-Non TCA							
2017	100,000	100,000	0		0	100,000	150,000	150,000	100,000	100,000	600,000
2018	150,000	150,000	0	<b>Total :</b>	<b>0</b>	<b>100,000</b>	<b>150,000</b>	<b>150,000</b>	<b>100,000</b>	<b>100,000</b>	<b>600,000</b>
2019	150,000	150,000	0	<b>Revenues</b>							
2020	100,000	100,000	0	160 Capital Expenditure Reserve							
2021+	100,000	100,000	0		0	100,000	150,000	150,000	100,000	100,000	600,000
	<b>600,000</b>	<b>600,000</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>100,000</b>	<b>150,000</b>	<b>150,000</b>	<b>100,000</b>	<b>100,000</b>	<b>600,000</b>
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
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								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
				No Operating Budget Impact							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2007	January 01, 2015	Growth: Maintenance:		Norm Synnott				Ongoing			



## Project Summary

<b>Project #</b>	ITC-007-07	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Info. Tech.
<b>Title</b>	Intranet Redesign & Internet Improvements and Accessibility		
<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>				<b>Version Description</b>																																																																																																	
<p>This project's initial phase was to redesign both the Internet (external, public facing website) and the Intranet (internal facing site - i.e. Dashboard) and to lay the technical infrastructure for future projects. The corporate-wide portion of the intranet went live in late 2011, and the internet (website) went live in 2012, to be followed by departmental-only sites, collaboration sites with unique security environments, workflow automation and business intelligence sites. 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.</p>				<p>The funds requested in 2019 will be used to upgrade licenses to keep the technology current. These licenses are necessary to continue increasing the efficiency and productivity of employees, by allowing them to collaborate and to quickly get the information they need to make the best decisions. The importance of public facing websites and portals as a key method of conducting business, sharing information and collaborating with residents, customers, businesses, partners and staff will continue to grow significantly.</p>																																																																																																	
<b>Project Comments/Reference</b>				<b>Version Comments</b>																																																																																																	
7075017				The funding request for this project was originally requested for 2016 and has been moved out to 2019 and should not be deferred any further.																																																																																																	
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2007	January 01, 2007	Growth: Maintenance:		Matt Caplin				2019																																																																																													



## Project Summary

<b>Project #</b>	ITC-008-07	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Enterprise System Support
<b>Title</b>	ERP Sustainability		
<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	Version Description
<p>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. One such project is Tax Updates for HR and Payroll using Rimini Street packages. The project will remain ongoing to enable support and as subsequent workplans are approved with the continuation of additional budget funding being approved.</p>	<p>This project will continue to identify and resolve post upgrade (Tax and PeopleTools) issues and optimize the HRMS as well as Financial applications to meet the current business needs. Rimini Street is used for maintenance support and has an impact on ensuring funds in the long term are allocated to either consider purchases of new licenses for PeopleSoft or consider migration to a new Enterprise System. The financial system has several functional enhancements underway to improve workflow. These enhancements were approved by the PeopleSoft Managers group and monitored as part of the corporate PeopleSoft annual workplan. Further focus continues to transition to the implementation of quarterly Tax Updates for HR and Payroll using Rimini Street packages</p> <p>2016 – Support resources for FIN - Chartfield Project, HR- elearn upload, WPL - Windsor Public Library on Financials, Fire Inventory, IT-PeopleTools Upgrade</p> <p>2019 – Support resources for FIN – AP/Purchasing Business Process Review, Asset Planning – Utilities Automation phase 2, HR Training records automation, HR – job descriptions and Posting Information, FIN vendor creation and Modification</p>
Project Comments/Reference	Version Comments
<p>7074018</p>	<p>If maintenance upgrades are not monitored, considered for completion and funded from year to year, significant costs for consulting support and hardware may occur.</p>





# Project Summary

<b>Project #</b>	ITC-008-07	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Enterprise System Support
<b>Title</b>	ERP Sustainability		
<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 Forecast			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2016	25,000	25,000	0
2017	0	0	0
2018	0	0	0
2019	475,000	475,000	0
2020	250,000	250,000	0
2021+	1,050,000	1,050,000	0
	<b>1,800,000</b>	<b>1,800,000</b>	<b>0</b>

Historical Approved Budget			
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

Related Projects	
Project Title	

Project Detailed Forecast							
GL Account	2016	2017	2018	2019	2020	2021+	Total
<b>Expenses</b>							
5411 Construction Contracts-Non TCA							
	25,000	0	0	475,000	250,000	1,050,000	1,800,000
Total :	25,000	0	0	475,000	250,000	1,050,000	1,800,000
<b>Revenues</b>							
160 Capital Expenditure Reserve							
	25,000	0	0	475,000	250,000	1,050,000	1,800,000
Total :	25,000	0	0	475,000	250,000	1,050,000	1,800,000

Operating Budget Impact			
Effective Date	Description	Exp/(Rev)	FTE Impact
	No Operating Budget Impact		

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2007	January 01, 2015	Growth:50.0% Maintenance:50.0%	Pete Evans	Ongoing



## Project Summary

<b>Project #</b>	ITC-011-07	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Enterprise System Support
<b>Title</b>	AMANDA Projects		
<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	Version Description
<p>The AMANDA system is used by many corporate departments for Licensing, Building, Finance (Tax), Fire, Parks, Public Works, etc. Enhancements to this system are required to meet legislation per software upgrade requirements and technology standards. These enhancements have been approved by the AMANDA Governance and Managers groups, and will be scheduled for the next five 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.</p>	<p>The pre-work in preparation for the Upgrade to AMANDA 7 has begun with infrastructure improvements, report conversions and project planning for migration of all modules to AMANDA 7. This project will continue to identify and resolve post upgrade issues and optimize the AMANDA applications to meet the current business needs. Stabilization of this version will continue with minor upgrades as required throughout the lifecycle for the software. Implementation of additional functionality will continue that will create efficiencies needed by the corporate users. These enhancements are approved by the AMANDA Governance and Managers groups and monitored as part of the annual workplan. The steps of the upgrade to AMANDA 7 will need to continue in 2017 in order to meet vendor support requirements.</p> <p>2016 - The current enhancing projects being completed are IT- Amanda Security &amp; infrastructure Upgrade , Finance - Amanda online Tax Inquiry via E-services, and PW Drainage folder enhancement.</p> <p>2018 - The steps of the upgrade to AMANDA 7 will need to continue in order to meet vendor support requirements.</p> <p>2019+ - Projects for consideration through Amanda Governance are Corporate departments - Amanda migration to the Browser, PW - Local Improvements folder, Planning - Heritage properties in Amanda, IT - FSI interfaces, Finance – e-post, Planning/building, e-permitting Launch of new – IT/FIN Amanda Tax and Cashier, Parks – RFS and vacant lot folder rewrites.</p> <p>Implementation of additional functionality will continue that will create efficiencies needed by the corporate users as submitted through the governance process.</p>
Project Comments/Reference	Version Comments
<p>7075021</p>	<p>If maintenance upgrades are not complete and funded from year to year, significant costs for consulting and hardware purchase may occur.</p>



# Project Summary

<b>Project #</b>	ITC-011-07	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Enterprise System Support
<b>Title</b>	AMANDA Projects		
<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 Forecast		Revenue	
Year	Total Expense	Net City Cost	Subsidies
2016	25,000	25,000	0
2017	0	0	0
2018	200,000	200,000	0
2019	350,000	350,000	0
2020	200,000	200,000	0
2021+	450,000	450,000	0
	<b>1,225,000</b>	<b>1,225,000</b>	<b>0</b>

Historical Approved Budget		Revenue	
Year	Total Expense	Net City Cost	Subsidies
2007	150,000	150,000	0
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

Related Projects	
Project Title	

Project Detailed Forecast							
GL Account	2016	2017	2018	2019	2020	2021+	Total
<b>Expenses</b>							
5411 Construction Contracts-Non TCA							
	25,000	0	200,000	350,000	200,000	450,000	1,225,000
Total :	25,000	0	200,000	350,000	200,000	450,000	1,225,000
<b>Revenues</b>							
160 Capital Expenditure Reserve							
	25,000	0	200,000	350,000	200,000	450,000	1,225,000
Total :	25,000	0	200,000	350,000	200,000	450,000	1,225,000

Operating Budget Impact			
Effective Date	Description	Exp/(Rev)	FTE Impact
	No Operating Budget Impact		

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2007	January 01, 2015	Growth:50.0% Maintenance:50.0%	Pete Evans	Ongoing



# Project Summary

<b>Project #</b>	ITC-012-07	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Technology Infrastructure
<b>Title</b>	Replace/Upgrade Corporate Telephone Systems		
<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>				<b>Version Description</b>																																																																																																																									
<p>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.</p>				<p>2016: Continue migration of City Hall system off the old Nortel platform (completion prior to New City Hall build) and replace phone systems at Windsor Public Library and Little River Pollution Control. We will be piloting the new Unified Communications technologies on the new platform.</p> <p>2017+: Systematic replacement of older systems taking advantage of our improved IT infrastructure to reduce telecom carrier costs and improve service and reliability.</p>																																																																																																																									
<b>Project Comments/Reference</b>				<b>Version Comments</b>																																																																																																																									
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2007	January 02, 2015	Growth:30.0% Maintenance:70.0%		Todd Kell				Ongoing																																																																																																																					



## Project Summary

<b>Project #</b>	ITC-001-08	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Info. Tech.
<b>Title</b>	Business Continuity		
<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	Version Description
<p>For the last several years there have been significant changes in the IT infrastructure as we moved from a mainframe to a server based environment. During this time one of the main focuses in IT has been on ensuring that we are making steps to improve the availability of our critical systems. During this time the Corporation has also become more dependent on technology, which is consistent with other sectors.</p> <p>The first stage of good Disaster Recovery Planning is Prevention. In other words, taking steps to prevent significant outages in the IT Infrastructure. There does exist capital funding for some of this work in project ITC-006-07 and the focus has been on a relocation of the computer room into space that was allocated for this purpose in the 400 CHS building as the existing facility no longer meets the cooling and power requirements and is also in a poor location for security and physical exposure to accidents. We have also been making significant strides in improving our server infrastructure to have greater levels of redundancy so that if an individual component fails the application continues to function.</p> <p>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.</p> <p>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.</p> <p>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.</p>	<p>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.</p> <p>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 to address these areas as they are identified.</p> <p>It should be noted, the Disaster Recovery and/or the Security project will NOT result in a full Business Continuity Plan. If the Corporation feels that additional investment should be made to also develop a complete business continuity plan then this project will need to be approved.</p>
Project Comments/Reference	Version Comments



# Project Summary

<b>Project #</b>	ITC-001-08	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Info. Tech.
<b>Title</b>	Business Continuity		
<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 Forecast			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2016	0	0	0
2017	0	0	0
2018	0	0	0
2019	0	0	0
2020	100,000	100,000	0
2021+	200,000	200,000	0
	<b>300,000</b>	<b>300,000</b>	<b>0</b>

Historical Approved Budget			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies

Related Projects	
Year Identified	Project Title

Project Detailed Forecast							
GL Account	2016	2017	2018	2019	2020	2021+	Total
<b>Expenses</b>							
5410 Construction Contracts - TCA							
	0	0	0	0	100,000	200,000	300,000
Total :	0	0	0	0	100,000	200,000	300,000
<b>Revenues</b>							
169 Pay As You Go - Capital Reserve							
	0	0	0	0	100,000	200,000	300,000
Total :	0	0	0	0	100,000	200,000	300,000

Operating Budget Impact			
Effective Date	Description	Exp/(Rev)	FTE Impact
	No Operating Budget Impact		

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2008	January 01, 2016	Growth: Maintenance:	Norm Synnott	2021+



# Project Summary

<b>Project #</b>	ITC-001-09	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	End User Management
<b>Title</b>	Video Communication		
<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>				<b>Version Description</b>							
Video display and improved access at locations that have employees without computer access and in meeting rooms where collaboration can significantly improve efficiency and service levels.				This project was scoped to deliver stand-alone video displays for disseminating information to staff without computers. It has been successfully deployed at Solid Waste, Crawford Yard, Parks Yard, Huron Lodge (2 units), Lou Romano Water Reclamation Plant and all Fire Stations. These are stand-alone systems for which area managers are responsible for the content. Additional sites will be added as they are identified.  The trend for video content demand within the corporate community continues to increase, with the technology required to deliver this medium changing at an equal pace. Video messaging and training is easily downloadable or streamed directly to computers. Putting in place the technology and network infrastructure required to support the anticipated future demand for video content is a critical component in delivering the medium. This budget request is to ensure funds are available to move forward with the future technology.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7101007											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5411 Construction Contracts-Non TCA					200,000	0	200,000
2017	0	0	0		0	0	0	0	200,000	0	200,000
2018	0	0	0								
2019	0	0	0								
2020	200,000	200,000	0								
2021+	0	0	0								
	<b>200,000</b>	<b>200,000</b>	<b>0</b>								
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		169 Pay As You Go - Capital Reserve					200,000	0	200,000
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>		0	0	0	0	200,000	0	200,000
2010	150,000	150,000	0		0	0	0	0	200,000	0	200,000
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2009	January 01, 2020	Growth: Maintenance:		Earl Larking				2020+			



# Project Summary

<b>Project #</b>	ITC-001-10	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<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)		

<b>Project Description</b>				<b>Version Description</b>							
<p>As the region moves forward with a variety of efforts to redefine our economy, working smarter, together with our other public and private sector partners is essential. The Smart Community initiative coordinated through Connecting Windsor Essex is one of the key ways that we can accomplish this. In 2011 the Windsor-Essex region was named to the top 7 Intelligent Communities of the year as a result of the efforts of this partnership. The Corporation is a member of the Smart Community organization Connecting Windsor-Essex.</p>				<p>This funding will be used to fund the projects that the Corporation approves that expand the services available to the public through electronic means. These projects also help improve our OMBI measurements.</p> <p>2019: Citizen self-service initiatives; Improved open data and transparency initiatives.</p>							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7009015											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5411 Construction Contracts-Non TCA							
2017	0	0	0		0	0	0	200,000	200,000	0	400,000
2018	0	0	0	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>	<b>200,000</b>	<b>0</b>	<b>400,000</b>
2019	200,000	200,000	0	<b>Revenues</b>							
2020	200,000	200,000	0	169 Pay As You Go - Capital Reserve	0	0	0	200,000	200,000	0	400,000
2021+	0	0	0	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>	<b>200,000</b>	<b>0</b>	<b>400,000</b>
	<b>400,000</b>	<b>400,000</b>	<b>0</b>								
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2010	January 01, 2016	Growth: Maintenance:		Harry Turnbull				Ongoing			





# Project Summary

<b>Project #</b>	ITC-001-12	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Project Management & Applications
<b>Title</b>	WFRS Computer Aided Dispatch System & Related 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)		

<b>Project Description</b>				<b>Version Description</b>								
<p>To upgrade Windsor Fire and Rescue Services' Computer Aided Dispatch system and other related technology systems to modernize Fire and Rescue Services' technology.</p> <p>Technology is an essential tool for emergency services, and the effective use of it can help to reduce response times and potentially result in reduced damages. This funding request is for the replacement of the Windsor Fire and Rescue Services' (WFRS) CAD system, including a mobile software component, to allow Windsor Police Service and WFRS to share dispatch technology.</p>				<p>Windsor Police and Windsor Fire and Rescue services currently use independent Computer Aided Dispatch software. Using a shared CAD system would decrease the time it takes for a call to be sent to Windsor Fire therefore decreasing the overall response of fire response vehicles.</p> <p>Shared CAD technology would also allow both agencies to share hazard data, property data and technical support. Additional savings and benefits would be realized through the use of shared servers, software licensing, mapping and a single records management system.</p>								
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	0	0	0	5411 Construction Contracts-Non TCA								
2017	0	0	0		0	0	0	0	0	3,000,000	3,000,000	
2018	0	0	0									
2019	0	0	0									
2020	0	0	0									
2021+	3,000,000	3,000,000	0									
	<b>3,000,000</b>	<b>3,000,000</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,000,000</b>	<b>3,000,000</b>	
<b>Historical Approved Budget</b>				<b>Revenues</b>								
		<b>Revenue</b>		169 Pay As You Go - Capital Reserve								
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>									
					0	0	0	0	0	3,000,000	3,000,000	
				<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,000,000</b>	<b>3,000,000</b>	
<b>Related Projects</b>				<b>Operating Budget Impact</b>								
<b>Follows</b>	<b>Project Title</b>			<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>		
FRS-002-07	Crisys System			Unknown	There may be an increase in the annual maintenance fee for the new system.				0	0		
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>				
2012	January 01, 2016	Growth: Maintenance:		Matt Caplin				2017				



# Project Summary

<b>Project #</b>	ITC-001-13	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Info. Tech.
<b>Title</b>	Mobility Integration Placeholder		
<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>				<b>Version Description</b>								
Funding request is to facilitate implementation of organizational requests for mobility. Such 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.												
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	0	0	0	5411 Construction Contracts-Non TCA								
2017	0	0	0									
2018	0	0	0									
2019	500,000	500,000	0				0	500,000	0	500,000	1,000,000	
2020	0	0	0	<b>Total :</b>								
2021+	500,000	500,000	0	0	0	0	0	500,000	0	500,000	1,000,000	
	<b>1,000,000</b>	<b>1,000,000</b>	<b>0</b>	<b>Revenues</b>								
				169 Pay As You Go - Capital Reserve								
								0	500,000	0	500,000	1,000,000
				<b>Total :</b>								
				0	0	0	0	500,000	0	500,000	1,000,000	
<b>Historical Approved Budget</b>												
		<b>Revenue</b>										
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>									
<b>Related Projects</b>				<b>Operating Budget Impact</b>								
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>		<b>Exp/(Rev)</b>	<b>FTE Impact</b>				
				Unknown	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.		0	0				
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>				
2013	January 01, 2017	Growth: Maintenance:		Matt Caplin				Ongoing				



## Project Summary

<b>Project #</b>	ITC-002-16	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Project Management & Applications
<b>Title</b>	Corporate Radio Infrastructure		
<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	Version Description
<p>The corporate radio system is used by Windsor Police Services, Windsor Fire &amp; Rescue Services, Transit Windsor and various operating departments within the Corporation of the City of Windsor. The system, an ASTRO P25 Digital Voice Radio Communications System from Motorola Solutions, was purchased in 2008 and implemented in 2009.</p> <p>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).</p> <p>The system Infrastructure has surpassed the typical useful life of similar Infrastructure for other corporate systems.</p> <p>Due to the critical nature of the corporate radio system, the need to upgrade the Infrastructure in relatively short order, and considering that the End User Devices and Transmission Equipment still have several years of useful service life remaining, it is recommended that this upgrade is purchased as soon as possible from the current vendor, Motorola Solutions, in order to maintain operability of the entire system through to the expected end of life for the balance of the system. It is recommended that a Request For Proposal process (RFP) be conducted in approximately 2021-2023 to align with the end of life of the End User Devices, to provide for a more comprehensive system replacement.</p> <p>In addition to procuring an Infrastructure upgrade, a Motorola System Upgrade Agreement with Security Update Service will allow the City to keep the critical radio system Infrastructure current and reliable.</p> <p>In order to ensure a sustainable funding model for the corporate radio system, a thorough analysis of cost and funding projections through 2033 was undertaken. It was determined that long term investment requirements to maintain a public safety grade radio system at an appropriate level is significant and the current funding model falls short. An operating budget increase of \$700,000 in 2017 is required. Administration will submit this operating budget issue during the 2017 operating budget process.</p> <p>New corporate radio system sharing agreements with regional partners is a strategy that could reduce the net radio system costs for the City. Revenue</p>	<p>Recommendations as noted in the November 2, 2015 Corporate Radio System Infrastructure Upgrade Council Report (Report #18016), approved via CR209/2015:</p> <p>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.</p> <p>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.</p> <ul style="list-style-type: none"> <li>• Infrastructure upgrade, for a cost of \$1,589,205, plus net taxes</li> <li>• A four-year System Upgrade Agreement with Security Update Service for an annual cost of \$254,777, plus net taxes</li> </ul> <p>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.</p> <p>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.</p> <p>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</p>



## Project Summary

<b>Project #</b>	ITC-002-16	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Project Management & Applications
<b>Title</b>	Corporate Radio Infrastructure		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

from new sharing agreements would offset the funding requirements from the operating budget. The details and financial information related to any opportunities that appear likely will be brought forward to City Council for consideration and possible approval.

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.

<b>Project Comments/Reference</b>
7151026

<b>Version Comments</b>
As per B19/2015, Report #18085, Council approved a capital infrastructure cost (to be spent in 2016) as follows: Infrastructure Upgrade (CR209/2015): \$1,589,205 Geo-Redundancy (B19/2015): \$1,766,955 Sub-total: \$3,356,160 Net HST: \$ 59,075 Total: \$3,415,235

<b>Project Forecast</b>	<b>Revenue</b>		
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>
2016	3,415,235	3,415,235	0
2017	0	0	0
2018	0	0	0
2019	0	0	0
2020	0	0	0
2021+	6,000,000	6,000,000	0
	<b>9,415,235</b>	<b>9,415,235</b>	<b>0</b>

<b>Project Detailed Forecast</b>							
<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Expenses</b>							
5410 Construction Contracts - TCA							
3,415,235	0	0	0	0	6,000,000		9,415,235
Total :	3,415,235	0	0	0	0	6,000,000	9,415,235
<b>Revenues</b>							
198 Pay As You Go Corporate Radios Reserve							
3,415,235	0	0	0	0	6,000,000		9,415,235
Total :	3,415,235	0	0	0	0	6,000,000	9,415,235

<b>Historical Approved Budget</b>	<b>Revenue</b>		
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>

<b>Related Projects</b>
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<b>Operating Budget Impact</b>
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## Project Summary

<b>Project #</b>	ITC-002-16	<b>Service Area</b>	Office of the CFO
<b>Budget Year</b>	2016	<b>Department</b>	Information Technology
<b>Asset Type</b>	Unassigned	<b>Division</b>	Project Management & Applications
<b>Title</b>	Corporate Radio Infrastructure		
<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 Title			Effective Date	Description	Exp/(Rev)	FTE Impact
			Unknown	The radio system upgrade 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.	0	0
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>	<b>Project Lead</b>		<b>Est. Completion Date</b>	
2016	January 01, 2016	Growth:50.0% Maintenance:50.0%	Matt Caplin		2022	

# **2016 Approved Capital Budget**



## **Capital Project Summaries**

**Office of the City Clerk**



# Project Summary

<b>Project #</b>	CNS-001-07	<b>Service Area</b>	Office of the City Clerk
<b>Budget Year</b>	2016	<b>Department</b>	Council Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Council Services Division
<b>Title</b>	Records Management		
<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>				<b>Version Description</b>																																																																																																																	
<p>Required for the roll out of the Livelink file management system to various areas within the Public Works Department. Organizing files in a file management system is especially useful for performing reasonable searches for access requests under MFIPPA. Funding will be used for ongoing costs associated with 930 Mercer, off-site records centre, such as transfer of departmental records to the site for documentation and storage, supplies and staffing costs associated with processing the records and approved yearly shredding of Corporate records.</p>				<p>The plan is to roll out this project in phases to all departments within the Corporation, pursuant to s. 253 of the Municipal Act and in conjunction with the Municipal Freedom of Information and Protection of Privacy Act.</p>																																																																																																																	
<b>Project Comments/Reference</b>				<b>Version Comments</b>																																																																																																																	
7029065																																																																																																																					
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2007	January 01, 2007	Growth:0.0% Maintenance:100.0%		Chuck Scarpelli				2017																																																																																																													



# Project Summary

<b>Project #</b>	CCS-001-11	<b>Service Area</b>	Office of the City Clerk
<b>Budget Year</b>	2016	<b>Department</b>	Council Services
<b>Asset Type</b>	Unassigned	<b>Division</b>	Communications & Cust. Service
<b>Title</b>	311/211 Call Centre Phone Upgrade		
<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>				<b>Version Description</b>							
<p>This is a placeholder to upgrade telephone and technology within the 211/311 Call Centre when it is required.</p> <p>An amount of \$43,451 was transferred from 7032178 (ITC-012-07) (originally transferred from closeout funds, specifically F169, due to 7091018-Relocation of 211/311 Call Centre realizing savings and decreased costs) as per 2009 Year-End Operating Variance Report #14610, Appendix D.</p>											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<b>Expenses</b>							
2016	0	0	0	2950 Other Prof Services-External							
2017	0	0	0		0	0	0	200,000	0	0	200,000
2018	0	0	0								
2019	200,000	200,000	0								
2020	0	0	0								
2021+	0	0	0								
	<b>200,000</b>	<b>200,000</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>200,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		169 Pay As You Go - Capital Reserve							
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>		0	0	0	200,000	0	0	200,000
				<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>200,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2011	January 01, 2019	Growth: Maintenance:		Alena Slezia / Norm Synnott				2019 and Beyond			





## Project Summary

<b>Project #</b>	HRS-002-08	<b>Service Area</b>	Office of the City Clerk
<b>Budget Year</b>	2016	<b>Department</b>	Human Resources
<b>Asset Type</b>	Unassigned	<b>Division</b>	Organizational Develop & OH&S
<b>Title</b>	Health and Safety Reserve		
<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	Version Description
<p>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 &amp; 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 &amp; safety records. Accordingly, the Ministry of Labour has hired and trained hundreds of new health &amp; 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 &amp; safety.</p> <p>Since March 31, 2004, new occupational health &amp; safety duties and criminal liabilities have been added to the Criminal Code (in Bill C-45) that 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.</p>	<p>The following are the types of health and safety issues which are commonly in need of addressing but without dedicated funding:</p> <ul style="list-style-type: none"> <li>- assessments of indoor air quality concerns (i.e. humidity, confirmation of compliance on exposure limits), average cost \$1,500 per assessment</li> <li>- industrial hygiene assessments for the presence of mould, average cost \$1,700 per assessment</li> <li>- engineering assessments for implementing engineering controls (i.e. retrofitting current equipment and developing specifications for purchases of new equipment)</li> <li>- ensure the standards for asbestos is tested, maintained and adhered to as per legislative requirements, Ontario regulation 278/05 of the Occupational Health and Safety Act</li> <li>- upgrading worksites and/or equipment for ergonomic hazards (i.e. upgrading current work stations to provide same equipment standards for all workers/meet compliance, addressing issues of lighting, etc.)</li> <li>- ensuring compliance on recommendations from joint health and safety committees</li> </ul>
Project Comments/Reference	Version Comments
<p>(Closed: 7091019 - Project funding of \$100,000 approved in 2009) Active: 7081015</p> <p>This project represents the Corporation's ongoing commitment to ensure the Corporation's health &amp; safety standards and plans are functioning properly. Once testing and assessments are completed, required changes, implementations and safety standards must be accommodated which comes at a cost.</p>	<p>As of the writing of this report the Corporation is the owner of approximately 202 properties. 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 at the 29 corporately-owned locations which make up the primary sites where our employees work. In the fall of 2012 a determination was made to contract annually for a proponent to complete asbestos surveys/designated substance assessments for specific sites, rather than for the entire amount budgeted for over the 5-year period for this purpose. Despite annual contracts the asbestos surveys for 29 sites are anticipated to be completed by the end of 2015.</p> <p>Upon completion of the surveying for the 29 sites originally identified, we will begin surveying the remaining 173 sites which our employees may attend on a less frequent basis to complete various tasks. Moving forward these remaining locations will be assessed on a priority basis dependent upon how regularly they are attended by our employees. The number of sites conducted each year will vary depending up on the size of the site, as the total square footage affects survey cost. Completed surveys must be reviewed annually to ensure assessed materials remain in safe condition.</p>



# Project Summary

<b>Project #</b>	HRS-002-08	<b>Service Area</b>	Office of the City Clerk
<b>Budget Year</b>	2016	<b>Department</b>	Human Resources
<b>Asset Type</b>	Unassigned	<b>Division</b>	Organizational Develop & OH&S
<b>Title</b>	Health and Safety Reserve		
<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 Forecast			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
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+	100,000	100,000	0
	<b>150,000</b>	<b>150,000</b>	<b>0</b>

Historical Approved Budget			
Year	Total Expense	Revenue	
		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

Related Projects		
Year Identified	Start Date	Project Type for 2016
2008	January 01, 2015	Growth:0.0% Maintenance:100.0%

Project Detailed Forecast							
GL Account	2016	2017	2018	2019	2020	2021+	Total
<b>Expenses</b>							
2220 Maintenance Parts & Materials							
	10,000	10,000	10,000	10,000	10,000	100,000	150,000
Total :	10,000	10,000	10,000	10,000	10,000	100,000	150,000
<b>Revenues</b>							
160 Capital Expenditure Reserve	10,000	0	10,000	10,000	0	0	30,000
169 Pay As You Go - Capital Reserve	0	10,000	0	0	10,000	100,000	120,000
Total :	10,000	10,000	10,000	10,000	10,000	100,000	150,000

Operating Budget Impact			
Effective Date	Description	Exp/(Rev)	FTE Impact
	No Operating Budget Impact		

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2008	January 01, 2015	Growth:0.0% Maintenance:100.0%	Julie Ryckman	Ongoing



## Project Summary

<b>Project #</b>	HRS-002-09	<b>Service Area</b>	Office of the City Clerk
<b>Budget Year</b>	2016	<b>Department</b>	Human Resources
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Human Resources
<b>Title</b>	AODA Implementation		
<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>	<b>Version Description</b>
<p>Under the Accessibility for Ontarians with Disabilities Act 2005 (AODA) and its regulations, there are a number of legislated requirements that municipalities are required to implement/comply with. There is no additional funding request for this year.</p> <p>Municipalities must file accessible reports with the Ministry showing that legislated requirements are met for each of the Standards. All of our reports have been filed as required every 2 years with our last filing in December 2013 and the next one due December 2015.</p>	<p>Customer Service Standard - Municipalities had to comply with the Customer Service Standard Regulation by January 2010. The compliance requirements included developing, documenting and adherence to specific policies, procedures and practices on providing goods and services to persons with disabilities and providing training to all who interact with the public or third parties on the municipality's behalf. Additionally the City has to address customer feedback requests tied to the Accessible Customer Services Standards on an ongoing basis.</p> <p>The Integrated Accessibility Standards (includes Accessible Information and Communication, Employment, Transportation and Built Environment Standard pertaining to the design of public spaces) has now been enacted and as such the Corporation is legislatively required to ensure that all requirements are met within the necessary timelines. Unlike the Customer Service Standard the Integrated Accessibility Standard involves staggered timelines. In addition to the substantive requirements to eliminate barriers for our customers and employees there are also requirements regarding training and documenting required policies and procedures and plans. Additionally the City will also address customer and employee feedback requests tied to the Integrated Accessibility Standards on an ongoing basis.</p>
<b>Project Comments/Reference</b>	<b>Version Comments</b>



## Project Summary

<b>Project #</b>	HRS-002-09	<b>Service Area</b>	Office of the City Clerk
<b>Budget Year</b>	2016	<b>Department</b>	Human Resources
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Human Resources
<b>Title</b>	AODA Implementation		
<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)		

7091017  
Refer to attached document

On or about December 17, 2012, the Ontario government filed regulation O.Reg 413/12 to introduce the new Built Environment Standard pertaining to the design of public spaces into the Integrated Accessibility Standards Regulation (O. Reg. 191/11). This standard covers a variety of outdoor public spaces (walkways, play spaces, etc.) and was effective January 1, 2013. The requirements under this standard however commence as of January 2016. The built environment standard for outdoor public spaces only applies to new construction and planned redevelopments.

The Ontario government decided that enhancements to accessibility in buildings would happen via Ontario's Building Code, which governs new construction and renovations in buildings. The new accessibility requirements under the Ontario Building Code became effective January 1, 2015. It seems only logical that the departments that are responsible for the new construction and planned redevelopments should have it built into their respective capital budgets to meet the Built Environment requirements going forward.

The additional funds after 2016 will most likely be necessary to allow for compliance with the Information and Communication standard and also to address customer and employee feedback requests tied to both the Integrated Accessibility Standards and the Accessible Customer service Standards under the AODA.

This is an ongoing project regarding the implementation of legislated accessibility standards under the Accessibility for Ontarians with Disabilities Act. The project is scheduled to close at the end of 2021 based upon the current legislated timelines. Future requests are made based upon the amount that are currently available in the fund. There is currently a sufficient amount in the account to meet our needs therefore there is no additional funding request for this year.



# Project Summary

<b>Project #</b>	HRS-002-09	<b>Service Area</b>	Office of the City Clerk
<b>Budget Year</b>	2016	<b>Department</b>	Human Resources
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Human Resources
<b>Title</b>	AODA Implementation		
<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 Forecast			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2016	0	0	0
2017	51,500	51,500	0
2018	0	0	0
2019	0	0	0
2020	74,500	74,500	0
2021+	0	0	0
	<b>126,000</b>	<b>126,000</b>	<b>0</b>

Historical Approved Budget			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2009	100,000	100,000	0
2013	32,000	32,000	0
2014	52,000	52,000	0

Project Detailed Forecast							
GL Account	2016	2017	2018	2019	2020	2021+	Total
<b>Expenses</b>							
2070 Imaging & Printing External	0	2,500	0	0	7,000	0	9,500
2180 Program Supplies	0	1,250	0	0	1,750	0	3,000
2360 Promotional Material & Product	0	6,250	0	0	18,750	0	25,000
2610 Travel Expense	0	0	0	0	2,000	0	2,000
2940 Advertising	0	5,500	0	0	23,250	0	28,750
4050 Training Courses	0	18,750	0	0	6,250	0	25,000
4295 Public Relations	0	3,750	0	0	15,500	0	19,250
5130 Furniture & Furnishings	0	13,500	0	0	0	0	13,500
<b>Total :</b>	<b>0</b>	<b>51,500</b>	<b>0</b>	<b>0</b>	<b>74,500</b>	<b>0</b>	<b>126,000</b>
<b>Revenues</b>							
169 Pay As You Go - Capital Reserve	0	51,500	0	0	74,500	0	126,000
<b>Total :</b>	<b>0</b>	<b>51,500</b>	<b>0</b>	<b>0</b>	<b>74,500</b>	<b>0</b>	<b>126,000</b>

Related Projects		
Year Identified	Start Date	Project Type for 2016
2009	January 02, 2017	Growth: Maintenance:

Operating Budget Impact			
Effective Date	Description	Exp/(Rev)	FTE Impact
No Operating Budget Impact			

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2009	January 02, 2017	Growth: Maintenance:	Gayle Jones	Ongoing

**Project Attachment  
For: 2016**

**Project # HRS-002-09**

**Project Name: AODA Implementation**

**AODA Capital Budget--Overview of Requirements**

**2017**

On or about December 17, 2012, the Ontario government filed regulation O.Reg 413/12 to introduce the new Built Environment Standard pertaining to the design of public spaces into the Integrated Accessibility Standards Regulation (O. Reg. 191/11). This new standard covers a variety of public spaces such as exterior sidewalks and walkways, entrances to buildings, outdoor public eating areas and play spaces, accessible parking, waiting areas and service counters. The built environment standard for public spaces only applies to new construction and planned redevelopments. The Ontario government decided that enhancements to accessibility in buildings will happen at a later date through Ontario's Building Code, which governs new construction and renovations in buildings.

- Accessible Beach Access Routes and trails
- Accessible Outdoor Public Eating Areas
- Accessible Outdoor Play Spaces
- Accessible Exterior Paths of Travel
- Accessible Parking
- Obtaining Services- ie: accessible service counters, waiting areas and fixed queing guides
- Maintenance of Accessible elements

**2021**

**Accessible Websites and Web Content**

- World Wide Web Consortium Web Content Accessibility Guidelines (WCAG) 2.0
- January 1, 2021
  - All must comply with AA except
    - Success criteria 1.2.4 Captions (live)
    - Success criteria 1.2.5 Audio Descriptions (Pre-recorded)



## Project Summary

<b>Project #</b>	HRS-002-11	<b>Service Area</b>	Office of the City Clerk
<b>Budget Year</b>	2016	<b>Department</b>	Human Resources
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Human Resources
<b>Title</b>	Online Learning Programs		
<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	Version Description
<p>This capital project will create online learning programs for courses currently offered by Human Resources Health &amp; Safety Advisors, which includes the Fuelling/Refuelling, Commercial Motor Vehicle Inspection, Noise training and other non hands-on training components. In 2011 the Corporate Employee Safety Orientation Program (CESO) was converted to online format. The online CESO format was made available to new hires in July of 2012 and to all staff as of January 2013. The CESO program includes the following training programs: WHMIS; Orientation to Health and Safety Legislation, including the Duties and Responsibilities of specific workplaces parties, i.e. the Employer, Supervisor and Workers as well as the Right to Refuse work legislation and the requirement to report accidents and injuries under WSIB legislation; ladder safety; fire extinguisher use; the corporate Respectful Workplace Program, which includes instruction on workplace violence and harassment, human rights, standards of employee deportment and conflict of interest; and back care and injury prevention programming.</p> <p>The CESO Online program was developed by the provider in a format that cannot be altered (Flash). In 2014, Human Resources purchased the Adobe Captivate software to provide the ability to reformat and update both the CESO and New Employee Orientation Online programs.</p>	<p>In 2014 the two existing Vehicle Fuelling programs were converted to one online format training program. The requirement to provide training on safe fuel dispensing and emergency spill processes is regulated by the Technical Standards Safety Association (TSSA). In order to meet these requirements an online program is now being provided to corporate staff. The program is designed to acquaint workers with the hazards of handling and dispensing gasoline and diesel fuel, the steps required in the event of a fuel spill and an overview of how to use the fuel dispensing system at corporate fueling sites. The TSSA requires that all workers who dispense fuel receive training on fuel safety on a five-year basis.</p> <p>With the successful completion of the Vehicle Fuelling Program and the updating of the New Employee Orientation Video to reflect the new Mayor &amp; Council information, the current CESO – Day 1 program will be converted into a more user friendly format.</p> <p>The next programming to be created in online format is CESO – Day 2.</p> <p>Day 2 of the CESO online training program has specific content for our drivers as well as other mandatory components. The specific content of Day 2 of CESO is: Commercial Vehicle Pre-Trip Inspection, Traffic Control Roadway Operation, Corporate Equipment Safety Program, Hours of Services and Noise training. Additional mandatory training due for conversion is Asbestos Awareness.</p>
Project Comments/Reference	Version Comments
<p>7125000</p>	<p>A number of challenges have occurred with our original provider for on-line training as well as the delivery of training to our staff was not compatible with our current systems. Having had success with the provider who converted our Gas/Diesel Fuelling Program, this provider has been engaged to begin converting the basic mandatory health and safety programs contained in our CESO program. At present our Ladder Safety and Fire Extinguisher programs are being converted into user friendly on-line training programs. Once the CESO modules are successfully converted, we will move forward with other mandatory training programs, such as Asbestos Awareness, Noise, Hours of Service, Commercial Vehicle Pre-Trip Inspection, and Traffic Roadway Operations. These programs are suited to on-line learning as none have requirements for hands-on interaction with a facilitator.</p> <p>Moving these basic mandatory health and safety training programs to online format achieves two goals: time spent in classroom facilitation by the Safety Advisors is reduced allowing the Advisors to devote time to compliance monitoring and assessment; further online training format is more readily accessible to staff across corporate worksites.</p>



# Project Summary

<b>Project #</b>	HRS-002-11	<b>Service Area</b>	Office of the City Clerk
<b>Budget Year</b>	2016	<b>Department</b>	Human Resources
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Human Resources
<b>Title</b>	Online Learning Programs		
<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 Forecast			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2016	20,000	20,000	0
2017	0	0	0
2018	0	0	0
2019	0	0	0
2020	0	0	0
2021+	20,000	20,000	0
	<b>40,000</b>	<b>40,000</b>	<b>0</b>

Historical Approved Budget			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2012	20,000	20,000	0
2013	20,000	20,000	0
2014	20,000	20,000	0

Related Projects	
Year Identified	Start Date
2011	January 01, 2016

Project Detailed Forecast							
GL Account	2016	2017	2018	2019	2020	2021+	Total
<b>Expenses</b>							
2950 Other Prof Services-External							
	20,000	0	0	0	0	20,000	40,000
Total :	20,000	0	0	0	0	20,000	40,000
<b>Revenues</b>							
169 Pay As You Go - Capital Reserve							
	20,000	0	0	0	0	20,000	40,000
Total :	20,000	0	0	0	0	20,000	40,000

Operating Budget Impact			
Effective Date	Description	Exp/(Rev)	FTE Impact
2016-01-01	Annual maintenance of the online learning programs	2,500	0
Unknown	Operational efficiencies achieved with creating Online Learning Programs include the following: The Health and Safety Advisors are not spending their time teaching in classrooms and are out in departments addressing concerns, working with managers on a proactive basis as it relates to safety; employees have the flexibility of taking the online courses according to their schedule and there is no concern with employees getting to or from the training thus removing the reliance on physical attendance; the Corporation does not need to be concerned with scheduling, overtime or replacement costs as the online training is available at all times; the message and content is consistently delivered; and if an employee does not understand the contents of the course, one can re-take the course as often as they feel comfortable with the information.	0	0

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2011	January 01, 2016	Growth:100.0% Maintenance:0.0%	Vincenza Mihalo	2020





## Project Summary

<b>Project #</b>	WPL-004-11	<b>Service Area</b>	Office of the City Clerk
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Public Library
<b>Asset Type</b>	Unassigned	<b>Division</b>	Library
<b>Title</b>	Materials Automation Systems Upgrade		
<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>				<b>Version Description</b>																																																																															
The Windsor Public Library collection contains approximately 600,000 items for circulation and reference. Our current materials automation systems have not changed in over 10 years and are badly outdated. These systems also help protect against theft allowing the Library to use funds to buy new materials rather than replace existing ones ensuring the Library delivers access to the widest collection possible.				The WPL uses the SIRSI Dynix Integrated Library System to record and enable access to over 600,000 resources. This Integrated Library System also handles the purchasing process for the resources as well as allowing access to the patrons as a cataloguing system.																																																																															
<b>Project Comments/Reference</b>				<b>Version Comments</b>																																																																															
				This on-line system was last upgraded in 2001. By 2019 the system will no longer be supported and will need to be replaced.																																																																															
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>																																																																															
				<table border="1"> <thead> <tr> <th>GL Account</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021+</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td colspan="8"><b>Expenses</b></td> </tr> <tr> <td>5126 Computer Software</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>1,050,000</td> <td>0</td> <td>0</td> <td>1,050,000</td> </tr> <tr> <td>Total :</td> <td>0</td> <td>0</td> <td>0</td> <td>1,050,000</td> <td>0</td> <td>0</td> <td>1,050,000</td> </tr> <tr> <td colspan="8"><b>Revenues</b></td> </tr> <tr> <td>169 Pay As You Go - Capital Reserve</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>1,050,000</td> <td>0</td> <td>0</td> <td>1,050,000</td> </tr> <tr> <td>Total :</td> <td>0</td> <td>0</td> <td>0</td> <td>1,050,000</td> <td>0</td> <td>0</td> <td>1,050,000</td> </tr> </tbody> </table>								GL Account	2016	2017	2018	2019	2020	2021+	Total	<b>Expenses</b>								5126 Computer Software									0	0	0	1,050,000	0	0	1,050,000	Total :	0	0	0	1,050,000	0	0	1,050,000	<b>Revenues</b>								169 Pay As You Go - Capital Reserve									0	0	0	1,050,000	0	0	1,050,000	Total :	0	0	0	1,050,000	0	0	1,050,000
GL Account	2016	2017	2018	2019	2020	2021+	Total																																																																												
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169 Pay As You Go - Capital Reserve																																																																																			
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<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>																																																																											
2011	January 01, 2019	Growth: Maintenance:		Earl Larking/Kitty Pope				2019 & Beyond																																																																											



# Project Summary

<b>Project #</b>	WPL-009-11	<b>Service Area</b>	Office of the City Clerk
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Public Library
<b>Asset Type</b>	Unassigned	<b>Division</b>	Library
<b>Title</b>	Library Branch Refurbishments		
<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>				<b>Version Description</b>																																																																																																																	
<p>There is a need for ongoing upgrades to facilities of Windsor Public Libraries. All locations need shelving for new formats (DVDs), to provide protection for them from theft and reduce workload issues. All branches need periodic repainting and replacement furniture for customer seating to provide a safe and attractive environment for the public. The Forest Glade branch has not been substantially renovated since 1988. The Bridgeview branch has not been refurbished since opening in 2002. Fontainbleau Branch was opened in 2005 and has not had any upgrades since opening. WPL would like to request funds to refurbish this branch in 2020 for an estimated cost of \$45,500. These funds will be used to purchase movable print and DVD shelving, Wi-Fi area and renovate service counters.</p>				<p>2016 - Riverside Branch/Shelving all facilities - \$68,900                  2017 - Estimated costs for refurbishment - \$46,200                      Forest Glade: \$24,700                      Bridgeview: \$21,500                  2021 - Fontainbleau \$45,500 (to purchase movable print and DVD shelving, Wi-Fi area and renovate service counters)</p>																																																																																																																	
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2011	January 01, 2016	Growth:0.0% Maintenance:100.0%		Nancy Peel				2017																																																																																																													



## Project Summary

<b>Project #</b>	WPL-001-14	<b>Service Area</b>	Office of the City Clerk
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Public Library
<b>Asset Type</b>	Unassigned	<b>Division</b>	Library
<b>Title</b>	Mobile Unit/Materials Acquisition - DC Charge Request		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Community & Economic Development		
<b>Wards</b>	Ward 1, Ward 7, Ward 9		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>													
<p>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.</p> <p>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 &amp; 9 - the wards which have experienced significant residential growth. It would be our intention to have Outreach Staff use this mobile unit and materials to provide service and programming.</p>				<p>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 beginning in year 2020 is to use \$150,000 from Development Charges annually to support library collections and outreach in areas where a public library is not easily accessible.</p> <p>There will be no operating impact. The plan is to free up some time for a Librarian or two, and assign them to the Outreach areas in order to implement this initiative.</p>													
<b>Project Comments/Reference</b>				<b>Version Comments</b>													
7145000				Governance Model as per CR243/2013, R#16861.													
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>													
		<b>Revenue</b>															
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>						
2016	100,000	100,000	0	<b>Expenses</b>													
2017	100,000	100,000	0	2180 Program Supplies													
2018	175,000	175,000	0														
2019	175,000	175,000	0														
2020	150,000	150,000	0														
2021+	150,000	150,000	0														
<b>850,000</b>		<b>850,000</b>		<b>0</b>													
<b>Historical Approved Budget</b>																	
		<b>Revenue</b>															
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>														
2014	100,000	100,000	0														
2015	100,000	100,000	0														
<b>Related Projects</b>				<b>Operating Budget Impact</b>													
<b>Project Title</b>				<b>Effective Date</b>		<b>Description</b>		<b>Exp/(Rev)</b>		<b>FTE Impact</b>							
						No Operating Budget Impact											
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>									
2014	January 01, 2014	Growth:100.0% Maintenance:0.0%		Kitty Pope				Ongoing									

# **2016 Approved Capital Budget**



## **Capital Project Summaries**

**Office of the City Engineer**



# Project Summary

<b>Project #</b>	ECP-001-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Various Street Lighting Citywide		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>																																																																															
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				2016 - 2020: Street light relocations, upgrades to street light poles and wiring citywide - Citywide street light relocation due to Enwin capital hydro project upgrades and upgrades to street light poles and wiring.																																																																															
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2007	January 01, 2015	Growth:0.0% Maintenance:100.0%		Tiffany Pocock				Ongoing																																																																											



# Project Summary

<b>Project #</b>	ECP-003-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Grand Marais Road Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	Ward 10		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
Due to development in the area and substandard road conditions, road improvements are required from Walker to Howard. The ESR for this project was completed in 2000.				2021+: Land Acquisition - \$415,000 Construction: Parent to Walker - \$6,930,000 Howard to Parent - \$2,680,000							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7031012 Closed/7141017											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	0	0	0	10,025,000	10,025,000
2018	0	0	0								
2019	0	0	0								
2020	0	0	0								
2021+	10,025,000	10,025,000	0								
	<b>10,025,000</b>	<b>10,025,000</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,025,000</b>	<b>10,025,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		169 Pay As You Go - Capital Reserve							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
2014	375,000	375,000	0		0	0	0	0	0	10,025,000	10,025,000
				<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,025,000</b>	<b>10,025,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2007	January 01, 2014	Growth: Maintenance:		Sergio Colucci				2021 & Beyond			



# Project Summary

<b>Project #</b>	ECP-004-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Walker Road Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	Ward 5, Ward 9, Ward 10		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b> Walker Rd. from Riverside Dr. E. to Hwy. 401. Road improvements are required due to the increased traffic throughout the Walker Rd. Corridor. Improvements include laying concrete pavement, enclosing roadside ditches with storm sewers, relocating utilities, widening a rail crossing, constructing proper pedestrian facilities and constructing a new watermain. The ESR for this project was completed in 2001. To date, approx. 80% of this project has been completed.	<b>Version Description</b> 2021+: Phased Construction - Foster Ave. to Airport Rd. - \$17,690,000 Engineering and Construction - Temple Drive extension - \$3,360,000																																																																																																		
<b>Project Comments/Reference</b> 7092016 ISF, 7104001	<b>Version Comments</b> Through the LGWEM border projects, the Province of Ontario allocated \$15m in funding to complete improvements to Walker Rd. from Digby to Division. Future allocations are required to complete construction from Foster Ave. to Airport Rd. as well as Temple Dr. extension.																																																																																																		
<b>Project Forecast</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>2016</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2017</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2018</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2019</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2020</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2021+</td><td>21,050,000</td><td>21,050,000</td><td>0</td></tr> <tr><td><b>Total</b></td><td><b>21,050,000</b></td><td><b>21,050,000</b></td><td><b>0</b></td></tr> </tbody> </table>	Year	Total Expense	Revenue		Net City Cost	Subsidies	2016	0	0	0	2017	0	0	0	2018	0	0	0	2019	0	0	0	2020	0	0	0	2021+	21,050,000	21,050,000	0	<b>Total</b>	<b>21,050,000</b>	<b>21,050,000</b>	<b>0</b>	<b>Project Detailed Forecast</b> <table border="1"> <thead> <tr> <th>GL Account</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021+</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td colspan="8"><b>Expenses</b></td> </tr> <tr> <td>5410 Construction Contracts - TCA</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>21,050,000</td> <td>21,050,000</td> </tr> <tr> <td><b>Total :</b></td> <td><b>0</b></td> <td><b>0</b></td> <td><b>0</b></td> <td><b>0</b></td> <td><b>0</b></td> <td><b>21,050,000</b></td> <td><b>21,050,000</b></td> </tr> <tr> <td colspan="8"><b>Revenues</b></td> </tr> <tr> <td>115 Dev Chg - Roads &amp; Related</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>169 Pay As You Go - Capital Reserve</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>21,050,000</td> <td>21,050,000</td> </tr> <tr> <td><b>Total :</b></td> <td><b>0</b></td> <td><b>0</b></td> <td><b>0</b></td> <td><b>0</b></td> <td><b>0</b></td> <td><b>21,050,000</b></td> <td><b>21,050,000</b></td> </tr> </tbody> </table>	GL Account	2016	2017	2018	2019	2020	2021+	Total	<b>Expenses</b>								5410 Construction Contracts - TCA	0	0	0	0	0	21,050,000	21,050,000	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21,050,000</b>	<b>21,050,000</b>	<b>Revenues</b>								115 Dev Chg - Roads & Related	0	0	0	0	0	0	0	169 Pay As You Go - Capital Reserve	0	0	0	0	0	21,050,000	21,050,000	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21,050,000</b>	<b>21,050,000</b>
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## Project Summary

<b>Project #</b>	ECP-004-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Walker Road Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	Ward 5, Ward 9, Ward 10		
<b>Version Name</b>	Main (Active)		

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2007	January 01, 2015	Growth: Maintenance:	Tiffany Pocock	2021 & Beyond





# Project Summary

<b>Project #</b>	ECP-005-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Tecumseh Road East Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	Ward 7, Ward 8		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>																																																																																																																	
<p>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 2013, Jefferson to Lauzon Rd. has been completed.</p>				<p>2021+: Design &amp; Construction - Tecumseh Rd. E./Forest Glade Dr. intersection - \$6.3m            Design &amp; Construction of Little River Bridge - \$7.8m            Design, Land Acquisition &amp; Construction - Lauzon Rd. to Forest Glade Dr. - \$9.7m            Jefferson Boulevard from Tecumseh Rd. E. to Rose Avenue - \$2.75m            Staged construction for remainder of improvements - \$22.8m</p>																																																																																																																	
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2007	January 01, 2019	Growth: Maintenance:		Wes Hicks				December 2025																																																																																																													



# Project Summary

<b>Project #</b>	ECP-006-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Howard Avenue Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	Ward 3		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
Howard Avenue - Erie Street East to Tecumseh Road East. The ESR for this project was completed in 2002. Road improvements have been implemented. Sewer improvements are still required due to deficiencies which have caused flooding.				2021+: Outlet sewers/road reconstruction on Giles Blvd. and Ellis Street from McDougall to Howard - \$3.5m This is necessary because Giles Blvd. and Ellis St. sewers provide relief for the Howard Ave. sewers.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0								
2018	0	0	0								
2019	0	0	0								
2020	0	0	0								
2021+	3,500,000	3,500,000	0	Total :							
	<b>3,500,000</b>	<b>3,500,000</b>	<b>0</b>	0	0	0	0	0	0	3,500,000	3,500,000
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		169 Pay As You Go - Capital Reserve							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	Total :							
				0	0	0	0	0	0	3,500,000	3,500,000
				0	0	0	0	0	0	3,500,000	3,500,000
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
				No Operating Budget Impact							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2007	January 01, 2019	Growth: Maintenance:		Wes Hicks				2020 & Beyond			



# Project Summary

<b>Project #</b>	ECP-007-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Local Improvement Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

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## Project Summary

<b>Project #</b>	ECP-007-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Local Improvement Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2007	January 01, 2017	Growth: Maintenance:	Sergio Colucci	Ongoing



# Project Summary

<b>Project #</b>	ECP-008-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Pedestrian Safety Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
Placeholder to be used based on priority analysis for various locations. - School approach sidewalks - Transit route sidewalks				There is currently funding still available from previous years Capital Budgets in this program to deal with any requests and needs in this area.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7045034											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0								
2018	0	0	0								
2019	100,000	100,000	0				100,000	0	100,000	200,000	
2020	0	0	0	<b>Total :</b>							
2021+	100,000	100,000	0	0	0	0	100,000	0	100,000	200,000	200,000
	<b>200,000</b>	<b>200,000</b>	<b>0</b>	<b>Revenues</b>							
				160 Capital Expenditure Reserve							
								25,000	0	100,000	125,000
				169 Pay As You Go - Capital Reserve							
							75,000	0	0	75,000	
				<b>Total :</b>							
				0	0	0	100,000	0	100,000	200,000	200,000
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
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								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
				No Operating Budget Impact							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2007	January 01, 2015	Growth: Maintenance:		Sergio Colucci/Pat Winters				Ongoing			



# Project Summary

<b>Project #</b>	ECP-009-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Citywide Intersection/Roadway Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Road Safety (Active)		

<b>Project Description</b>				<b>Version Description</b>							
<p>The 2013 Road Safety Report identified high collision locations for further review and consideration including the following:</p> <p>Signalized Locations:</p> <ol style="list-style-type: none"> <li>1. County Road 42 @ Lauzon Parkway (EDG-001-11)</li> <li>2. Pelissier St. @ Wyandotte St. W.</li> <li>3. Lauzon Line/McHugh @ Lauzon Rd.</li> <li>4. Banwell Road @ E.C. Row Expressway</li> </ol> <p>Unsignalized Locations:</p> <ol style="list-style-type: none"> <li>1. Dougall Ave. @ Ouellette Pl.</li> <li>2. Dougall Ave. @ E.C. Row E/B off ramp</li> <li>3. Hanna St. @ Ouellette Ave.</li> <li>4. 9th Concession Road @ County Road 42</li> </ol>				<p>Various locations as identified in the Road Safety Report. It is recommended that a consultant be retained to undertake safety audits on each identified location where not previously investigated.</p> <p>2019: Road Safety Audits - \$100,000 Lauzon Rd./McHugh/Lauzon Line Intersection Improvements - \$370,000</p> <p>2020: Ongoing funding to continue implementing improvements</p>							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
(7062007 closed) 7151012											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	0	470,000	500,000	500,000	1,470,000
2018	0	0	0								
2019	470,000	470,000	0								
2020	500,000	500,000	0								
2021+	500,000	500,000	0								
	<b>1,470,000</b>	<b>1,470,000</b>	<b>0</b>								
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		169 Pay As You Go - Capital Reserve							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
2015	15,000	15,000	0		0	0	0	470,000	500,000	500,000	1,470,000
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Follows</b>	<b>Project Title</b>			<b>Effective Date</b>	<b>Description</b>			<b>Exp/(Rev)</b>	<b>FTE Impact</b>		
ECP-002-10	Banwell Road Improvements										
EDG-001-11	Lauzon Parkway - County Rd. 42 - East/West Arterial				No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2007	January 01, 2019	Growth: Maintenance:		Wes Hicks / Josette Eugeni				2021+			



# Project Summary

<b>Project #</b>	ECP-010-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	East Riverside Planning District		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	Ward 7		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
The western portion of this planning area requires infrastructure improvements for the remaining 600 acres to develop. CR638/2004 approved the phasing plan for this planning district.				2021+: Engineering, Construction and Land Acquisition - Wyandotte Street Extension from Banwell to Jarvis - \$2,424,800							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
Project 7033118 will track all Wyandotte Street Extension expenses.											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	2950 Other Prof Services-External						2,424,800	2,424,800
2017	0	0	0		0	0	0	0	0	2,424,800	2,424,800
2018	0	0	0		0	0	0	0	0	2,424,800	2,424,800
2019	0	0	0		0	0	0	0	0	2,424,800	2,424,800
2020	0	0	0		0	0	0	0	0	2,424,800	2,424,800
2021+	2,424,800	2,424,800	0		0	0	0	0	0	2,424,800	2,424,800
	<b>2,424,800</b>	<b>2,424,800</b>	<b>0</b>	<b>Revenues</b>							
				028 Sewer Surcharge	0	0	0	0	0	324,800	324,800
				169 Pay As You Go - Capital Reserve	0	0	0	0	0	2,100,000	2,100,000
					0	0	0	0	0	2,424,800	2,424,800
					0	0	0	0	0	2,424,800	2,424,800
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
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								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2007	January 01, 2015	Growth: Maintenance:		Jane He				2021+			



# Project Summary

<b>Project #</b>	ECP-012-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Development, Projects & Right of Way
<b>Title</b>	South Cameron/South Windsor Planning Districts		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	Ward 9, Ward 10		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>																	
<p>This project allows for the construction of local municipal services including storm and sanitary sewers, pavements and street lights in the South Cameron/South Windsor planning districts. Funding will cover any anticipated petitions along with providing for incentives to work with property owners. Recovery of expenses/Subsidies (as noted in Project Forecast) will come from the owners of the benefitting properties.</p>																					
<b>Project Comments/Reference</b>				<b>Version Comments</b>																	
7033120																					
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>																	
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>										
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>																		
2016	0	0	0																		
2017	0	0	0																		
2018	1,400,000	0	1,400,000																		
2019	0	0	0																		
2020	410,000	410,000	0																		
2021+	0	0	0																		
	<b>1,810,000</b>	<b>410,000</b>	<b>1,400,000</b>																		
<b>Historical Approved Budget</b>				<b>Expenses</b>																	
		<b>Revenue</b>		5410 Construction Contracts - TCA																	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>																		
2009	766,666	100,000	666,666																		
2010	766,667	100,000	666,667																		
2011	766,667	100,000	666,667																		
				<table border="0" style="width: 100%;"> <tr> <td style="text-align: right;">Total :</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">1,400,000</td> <td style="text-align: right;">0</td> <td style="text-align: right;">410,000</td> <td style="text-align: right;">0</td> <td style="text-align: right;">410,000</td> <td style="text-align: right;">0</td> <td style="text-align: right;">1,810,000</td> </tr> </table>								Total :	0	0	1,400,000	0	410,000	0	410,000	0	1,810,000
Total :	0	0	1,400,000	0	410,000	0	410,000	0	1,810,000												
				<b>Revenues</b>																	
				169 Pay As You Go - Capital Reserve																	
				6735 Recovery Of Expenses EXTERNAL																	
				<table border="0" style="width: 100%;"> <tr> <td style="text-align: right;">Total :</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">1,400,000</td> <td style="text-align: right;">0</td> <td style="text-align: right;">410,000</td> <td style="text-align: right;">0</td> <td style="text-align: right;">410,000</td> <td style="text-align: right;">0</td> <td style="text-align: right;">1,810,000</td> </tr> </table>								Total :	0	0	1,400,000	0	410,000	0	410,000	0	1,810,000
Total :	0	0	1,400,000	0	410,000	0	410,000	0	1,810,000												
<b>Related Projects</b>				<b>Operating Budget Impact</b>																	
<b>Project Title</b>				<b>Effective Date</b>				<b>Description</b>		<b>Exp/(Rev)</b>		<b>FTE Impact</b>									
				No Operating Budget Impact																	
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>													
2007	January 01, 2018	Growth: Maintenance:		Tony Ruffolo				Ongoing													





# Project Summary

<b>Project #</b>	ECP-014-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Development, Projects & Right of Way
<b>Title</b>	Streetscape Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	Ward 2, Ward 3		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
<p>The revitalization of the City Centre Streetscape work involves sewer repairs, watermain replacement, utility replacement, road, pedestrian and streetlight replacement, sidewalk and streetscape work.</p> <p>Phase 1 and 2 were completed in 2007. Phase 3 was completed in 2009. Phase 4 and 5 were completed in 2010 as part of the ISF projects.</p> <p>Phase 6 Ouellette from Wyandotte to Elliott - \$3.6m is last of the original project and was approved in principle for 2014 as part of the Enhanced Plan in the 2014 Capital Budget.</p>				<p>2020: University from Victoria to Goyeau - \$350,000 (Engineering)</p> <p>2021+: University from Victoria to Goyeau - \$4,000,000 (Construction)</p> <p>Placeholder per CR 291/2009 to continue City Centre Streetscaping retrofit program to encompass east - west City Centre streets on University, Pitt, Chatham, Park/City Hall Square and Wyandotte.</p>							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7052085 closed/7092020 ISF closed											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	2951 INTERNAL Service Salary Allocn							
2017	0	0	0		0	0	0	0	350,000	0	350,000
2018	0	0	0	5410 Construction Contracts - TCA							
2019	0	0	0		0	0	0	0	0	4,000,000	4,000,000
2020	350,000	350,000	0		0	0	0	0	0	4,000,000	4,000,000
2021+	4,000,000	4,000,000	0		0	0	0	0	350,000	4,000,000	4,350,000
	<b>4,350,000</b>	<b>4,350,000</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>350,000</b>	<b>4,000,000</b>	<b>4,350,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		169 Pay As You Go - Capital Reserve							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
2007	150,000	150,000	0		0	0	0	0	350,000	4,000,000	4,350,000
2008	1,074,846	790,000	284,846		0	0	0	0	350,000	4,000,000	4,350,000
2009	4,032,987	2,039,750	1,993,237		0	0	0	0	350,000	4,000,000	4,350,000
2010	5,794,500	1,419,750	4,374,750	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>350,000</b>	<b>4,000,000</b>	<b>4,350,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
				Unknown	Most of these areas have many deficiencies and are in a state of disrepair. Currently, there aren't sufficient funds in the Operating budget to fix or maintain these areas. Repairs will be selective and most sidewalk repairs will be done with asphalt.				0	0	
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2007	January 01, 2021	Growth: Maintenance:		France Isabelle-Tunks / Jane He				2021 & Beyond			



# Project Summary

<b>Project #</b>	ECP-015-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	McDougall Avenue North-South Collector		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	Ward 3, Ward 10		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
Improvements are required due to structural and substandard road deficiencies which have created hazardous road conditions for vehicles, Kennedy High School traffic and the adjacent Jackson Park traffic.				2021+: Construction - McDougall/Eugenie Intersection - \$660,000							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7144007											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	0	0	0	660,000	660,000
2018	0	0	0								
2019	0	0	0								
2020	0	0	0								
2021+	660,000	660,000	0								
	<b>660,000</b>	<b>660,000</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>660,000</b>	<b>660,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		115 Dev Chg - Roads & Related							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
2014	200,000	200,000	0		0	0	0	0	0	660,000	660,000
2015	1,275,000	1,275,000	0	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>660,000</b>	<b>660,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2007	January 01, 2014	Growth: Maintenance:		Mike Cappucci				2021 & Beyond			



# Project Summary

<b>Project #</b>	ECP-016-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	The Riverside Drive Vista Improvement		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	Ward 2, Ward 3, Ward 4, Ward 5, Ward 6		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>																																																																																																																	
The Environmental Study Report has been finalized and approved and contains recommendations on construction phasing for improvements to Riverside Dr. The limits of the study are from Rosedale to the east City limits.				2016: Construction Phase 1, Stage 2 Solidarity Towers to Lauzon Road - \$3.25m 2019: Engineering Phase 2, Stage 1 - \$300k 2020: Engineering and Construction Phase 2, Stage 1 - \$4.16m																																																																																																																	
<b>Project Comments/Reference</b>				<b>Version Comments</b>																																																																																																																	
7086001				\$3.25m in project funds in 2016 have been pre-approved in principle as a placeholder in the 2013 approved Capital Budget. CR89/2014, Report #17088 formally approves this placeholder.																																																																																																																	
<b>Project Forecast</b>				<b>Project Detailed Forecast</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>2016</td><td>3,250,000</td><td>3,250,000</td><td>0</td></tr> <tr><td>2017</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2018</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2019</td><td>300,000</td><td>300,000</td><td>0</td></tr> <tr><td>2020</td><td>4,160,000</td><td>4,160,000</td><td>0</td></tr> <tr><td>2021+</td><td>66,105,000</td><td>66,105,000</td><td>0</td></tr> <tr><td></td><td><b>73,815,000</b></td><td><b>73,815,000</b></td><td><b>0</b></td></tr> </tbody> </table>				Year	Total Expense	Revenue		Net City Cost	Subsidies	2016	3,250,000	3,250,000	0	2017	0	0	0	2018	0	0	0	2019	300,000	300,000	0	2020	4,160,000	4,160,000	0	2021+	66,105,000	66,105,000	0		<b>73,815,000</b>	<b>73,815,000</b>	<b>0</b>	<table border="1"> <thead> <tr> <th>GL Account</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021+</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td colspan="8"><b>Expenses</b></td> </tr> <tr> <td>5410 Construction Contracts - TCA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>3,250,000</td> <td>0</td> <td>0</td> <td>300,000</td> <td>4,160,000</td> <td>66,105,000</td> <td>73,815,000</td> </tr> <tr> <td>Total :</td> <td>3,250,000</td> <td>0</td> <td>0</td> <td>300,000</td> <td>4,160,000</td> <td>66,105,000</td> <td>73,815,000</td> </tr> <tr> <td colspan="8"><b>Revenues</b></td> </tr> <tr> <td>028 Sewer Surcharge</td> <td>2,000,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>2,000,000</td> </tr> <tr> <td>169 Pay As You Go - Capital Reserve</td> <td>1,250,000</td> <td>0</td> <td>0</td> <td>300,000</td> <td>4,160,000</td> <td>66,105,000</td> <td>71,815,000</td> </tr> <tr> <td>Total :</td> <td>3,250,000</td> <td>0</td> <td>0</td> <td>300,000</td> <td>4,160,000</td> <td>66,105,000</td> <td>73,815,000</td> </tr> </tbody> </table>								GL Account	2016	2017	2018	2019	2020	2021+	Total	<b>Expenses</b>								5410 Construction Contracts - TCA									3,250,000	0	0	300,000	4,160,000	66,105,000	73,815,000	Total :	3,250,000	0	0	300,000	4,160,000	66,105,000	73,815,000	<b>Revenues</b>								028 Sewer Surcharge	2,000,000	0	0	0	0	0	2,000,000	169 Pay As You Go - Capital Reserve	1,250,000	0	0	300,000	4,160,000	66,105,000	71,815,000	Total :	3,250,000	0	0	300,000	4,160,000	66,105,000	73,815,000
Year	Total Expense	Revenue																																																																																																																			
		Net City Cost	Subsidies																																																																																																																		
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Total :	3,250,000	0	0	300,000	4,160,000	66,105,000	73,815,000																																																																																																														
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2007	January 01, 2016	Growth:25.0% Maintenance:75.0%		Anna Godo				Ongoing																																																																																																													



# Project Summary

<b>Project #</b>	ECP-017-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Local Improvements Sanitary Sewer Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>											
<p>In an effort to maximize use of the pollution control plants and eliminate septic tanks, this program will provide funds for the local sanitary sewer program and collector sanitary sewers throughout the City.</p> <p>A number of potential projects have been identified as a result of the "Study of Private Drain Connections in Partially Serviced Areas", as follows:</p> <ul style="list-style-type: none"> <li>- Betts - Tecumseh to Algonquin</li> <li>- Randolph - Algonquin to Totten</li> <li>- Roxborough - Tecumseh to Algonquin</li> <li>- St Patrick's - Tecumseh to Algonquin</li> <li>- Partington - Tecumseh to Totten</li> <li>- Mark - Campbell to Algonquin &amp; Totten Southerly</li> <li>- Everts - Campbell to Algonquin &amp; Totten Southerly</li> </ul> <p>Each of these sections of road is serviced with a storm sewer only (no sanitary sewer exists). Properties are serviced by septic systems.</p>				<p>Note: To date there are no outstanding petitions for sanitary sewers.</p> <p>2016: Engineering and Construction following successful petition - \$1.56m (initial estimate) - Remaining funds required for Betts – Tecumseh/Algonquin and Randolph – Algonquin/Totten</p> <p>2018: Engineering and Construction following successful petition - \$2m (initial estimate) - Roxborough - Tecumseh/Algonquin</p> <p>2021+: Engineering and Construction following successful petition - \$7m (initial estimate) - all others as listed in the project description</p>											
<b>Project Comments/Reference</b>				<b>Version Comments</b>											
7159000															
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>											
		<b>Revenue</b>													
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>				
2016	1,560,000	1,325,000	235,000	<b>Expenses</b>											
2017	0	0	0	5410 Construction Contracts - TCA											
2018	2,000,000	1,700,000	300,000	1,560,000											
2019	0	0	0	0											
2020	0	0	0	0											
2021+	7,000,000	5,950,000	1,050,000	0											
	<b>10,560,000</b>	<b>8,975,000</b>	<b>1,585,000</b>	<b>Total : 1,560,000</b>								<b>0 2,000,000 0 7,000,000 10,560,000</b>			
<b>Historical Approved Budget</b>															
		<b>Revenue</b>													
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Revenues</b>											
2015	1,800,000	900,000	900,000	028 Sewer Surcharge											
				1,325,000											
				6735 Recovery Of Expenses EXTERNAL											
				235,000											
				<b>Total : 1,560,000</b>								<b>0 1,700,000 0 0 5,950,000 8,975,000</b>			
<b>Related Projects</b>															
<b>Project Title</b>				<b>Operating Budget Impact</b>											
				<b>Effective Date</b>		<b>Description</b>		<b>Exp/(Rev)</b>		<b>FTE Impact</b>					
				No Operating Budget Impact											
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>							
2007	January 01, 2015	Growth:100.0% Maintenance:0.0%		Mike Abaldo / Pat Winters				Ongoing							



# Project Summary

<b>Project #</b>	ECP-022-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Prince Road/Totten Street Storm Sewer Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>	Ward 10		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>																																																																																																																	
This project will relieve basement, street and property flooding in the Prince Road storm relief drainage area.				Balance of storm relief sewers within the Prince Road drainage area are: 2018: Engineering - \$125k 2020: Engineering - \$80k 2021+: Totten Street from Betts to Mark - \$3.7m Tecumseh/Dorchester Separation - \$2.2m Felix/Marlborough Separation - \$2.05m																																																																																																																	
<b>Project Comments/Reference</b>				<b>Version Comments</b>																																																																																																																	
7086002																																																																																																																					
<b>Project Forecast</b>				<b>Project Detailed Forecast</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>2016</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2017</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2018</td><td>125,000</td><td>125,000</td><td>0</td></tr> <tr><td>2019</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2020</td><td>80,000</td><td>80,000</td><td>0</td></tr> <tr><td>2021+</td><td>7,950,000</td><td>7,950,000</td><td>0</td></tr> <tr><td></td><td><b>8,155,000</b></td><td><b>8,155,000</b></td><td><b>0</b></td></tr> </tbody> </table>				Year	Total Expense	Revenue		Net City Cost	Subsidies	2016	0	0	0	2017	0	0	0	2018	125,000	125,000	0	2019	0	0	0	2020	80,000	80,000	0	2021+	7,950,000	7,950,000	0		<b>8,155,000</b>	<b>8,155,000</b>	<b>0</b>	<table border="1"> <thead> <tr> <th>GL Account</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021+</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td colspan="8"><b>Expenses</b></td> </tr> <tr> <td>2951 INTERNAL Service Salary Allocn</td> <td>0</td> <td>0</td> <td>125,000</td> <td>0</td> <td>0</td> <td>0</td> <td>125,000</td> </tr> <tr> <td>5410 Construction Contracts - TCA</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>80,000</td> <td>7,950,000</td> <td>8,030,000</td> </tr> <tr> <td>Total :</td> <td>0</td> <td>0</td> <td>125,000</td> <td>0</td> <td>80,000</td> <td>7,950,000</td> <td>8,155,000</td> </tr> <tr> <td colspan="8"><b>Revenues</b></td> </tr> <tr> <td>028 Sewer Surcharge</td> <td>0</td> <td>0</td> <td>125,000</td> <td>0</td> <td>80,000</td> <td>5,900,000</td> <td>6,105,000</td> </tr> <tr> <td>169 Pay As You Go - Capital Reserve</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>2,050,000</td> <td>2,050,000</td> </tr> <tr> <td>Total :</td> <td>0</td> <td>0</td> <td>125,000</td> <td>0</td> <td>80,000</td> <td>7,950,000</td> <td>8,155,000</td> </tr> </tbody> </table>								GL Account	2016	2017	2018	2019	2020	2021+	Total	<b>Expenses</b>								2951 INTERNAL Service Salary Allocn	0	0	125,000	0	0	0	125,000	5410 Construction Contracts - TCA	0	0	0	0	80,000	7,950,000	8,030,000	Total :	0	0	125,000	0	80,000	7,950,000	8,155,000	<b>Revenues</b>								028 Sewer Surcharge	0	0	125,000	0	80,000	5,900,000	6,105,000	169 Pay As You Go - Capital Reserve	0	0	0	0	0	2,050,000	2,050,000	Total :	0	0	125,000	0	80,000	7,950,000	8,155,000
Year	Total Expense	Revenue																																																																																																																			
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2007	January 01, 2018	Growth: Maintenance:		Jane He				2021+																																																																																																													



# Project Summary

<b>Project #</b>	ECP-023-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Parent/McDougall Storm Relief Sewer		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>	Ward 3, Ward 4		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
To relieve basement, street and property flooding in the Parent/McDougall storm relief area. Construction of sewers will increase capacity to handle major storms.				2018: Engineering - \$0.25m 2021+: Giles Storm Sewer - Langlois to Gladstone - \$2.73m Phase I - Construction - \$8.9m Phase II - Engineering and Construction (Giles to Southerly limit) - \$7.2m							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
<b>Year</b>	<b>Total Expense</b>	<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
		<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0								
2018	250,000	250,000	0				250,000	0	0	18,830,000	19,080,000
2019	0	0	0								
2020	0	0	0								
2021+	18,830,000	18,830,000	0								
	<b>19,080,000</b>	<b>19,080,000</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>18,830,000</b>	<b>19,080,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
<b>Year</b>	<b>Total Expense</b>	<b>Revenue</b>		028 Sewer Surcharge							
		<b>Net City Cost</b>	<b>Subsidies</b>								
				<b>Total :</b>	<b>0</b>	<b>0</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>18,830,000</b>	<b>19,080,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
				No Operating Budget Impact							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2007	January 01, 2018	Growth: Maintenance:		Anna Godo				2021 & Beyond			



# Project Summary

<b>Project #</b>	ECP-027-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Lennon Drain Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>	Ward 1		
<b>Version Name</b>	Lennon Drain Improvements (Active)		

<b>Project Description</b>				<b>Version Description</b>								
<p>This work was recommended in the 1993 Lennon Drain functional design report. Prior to carrying out any improvements on Cabana Road West, Lennon Drain Improvement works through St. Clair College, Roseland Golf Course and east to Dougall Avenue need to be implemented as per adopted Cabana - Division Drainage Study. The next phase of Cabana Road West Intersection Improvements is scheduled for construction in 2019 and beyond. The Lennon Drain work is recommended to be completed under the 2016 capital budget.</p> <p>It is anticipated that the Windsor-Essex Parkway project will have impacts on Cabana Road and on Lennon Drain. Maintaining design capacity would be beneficial to South Windsor residential areas.</p>				<p>2016: Construction Phase I - Engineering and Construction St. Clair College and east to Dougall Ave. - \$0.65m</p> <p>Construction Phase II (2019) - Cabana Road West Intersection Improvements - \$1.2m</p>								
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
7092004				No operating budget impact is anticipated. Roseland was considering tying their irrigation system into the drain, but have reconsidered and will not be pursuing this matter further.								
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>		<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	1,850,000	1,850,000	0	5410 Construction Contracts - TCA								
2017	0	0	0			1,850,000	0	0	0	0	0	1,850,000
2018	0	0	0									
2019	0	0	0									
2020	0	0	0									
2021+	0	0	0									
	<b>1,850,000</b>	<b>1,850,000</b>	<b>0</b>	<b>Revenues</b>								
				028 Sewer Surcharge		650,000	0	0	0	0	0	650,000
				153 Sewer Surcharge		1,200,000	0	0	0	0	0	1,200,000
						<b>Total : 1,850,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,850,000</b>
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>								
		<b>Revenue</b>		<b>Effective Date</b>		<b>Description</b>		<b>Exp/(Rev)</b>		<b>FTE Impact</b>		
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>									
2009	200,000	200,000	0									
2010	250,000	250,000	0									
<b>Related Projects</b>				No Operating Budget Impact								
<b>Precedes</b>	<b>Project Title</b>											
ECP-003-09	Cabana Road Improvements											
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>				
2007	January 01, 2016	Growth:0.0% Maintenance:100.0%		Jane He				2019				



# Project Summary

<b>Project #</b>	ECP-028-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Grand Marais Drain Improvements (Existing Naturalized Channel)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>	Ward 5, Ward 10		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
<p>Improvements are required from South Cameron Blvd. to approximately 280m upstream of E.C. Row Expressway to increase capacity. This will enable elimination of the temporary ponds. Provincial WECl funds will be leveraged in order to complete these works.</p> <p>Once the necessary work is completed, these six temporary stormwater management ponds could be decommissioned and redeveloped, subject to appropriate provision of municipal services.</p>				<p>2019: Segment 3, West of Howard and E.C. Row Easterly - \$2.1m</p> <p>2021+: Remainder of phased construction as identified in Environmental Assessment Report - \$2.4m</p>							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7082003											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	0	2,100,000	0	2,400,000	4,500,000
2018	0	0	0								
2019	2,100,000	2,100,000	0								
2020	0	0	0								
2021+	2,400,000	2,400,000	0								
	<b>4,500,000</b>	<b>4,500,000</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,100,000</b>	<b>0</b>	<b>2,400,000</b>	<b>4,500,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		028 Sewer Surcharge							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
2007	140,000	140,000	0		0	0	0	2,100,000	0	2,400,000	4,500,000
2008	735,000	735,000	0								
2009	1,330,000	1,330,000	0								
2014	2,000,000	2,000,000	0	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,100,000</b>	<b>0</b>	<b>2,400,000</b>	<b>4,500,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
				Unknown	There may be incremental tax revenues generated upon completion of this project, if the stormwater management ponds are decommissioned and redeveloped.				0	0	
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2007	January 01, 2019	Growth: Maintenance:		Wes Hicks				2021+			





# Project Summary

<b>Project #</b>	ECP-030-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Riverside Flood Abatement Project		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>	Ward 5, Ward 6, Ward 8		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
Construction of trunk sanitary sewer and localized improvements to the trunk sewer. This project is for the construction of an underground storage facility to intercept and attenuate combined sewer flows entering the Edgar St. sanitary trunk sewer.				2021+: Localized improvements to trunk sanitary sewer - \$2.5m							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7081004 closed, 7151001											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	0	0	0	2,500,000	2,500,000
2018	0	0	0								
2019	0	0	0								
2020	0	0	0								
2021+	2,500,000	2,500,000	0								
	<b>2,500,000</b>	<b>2,500,000</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,500,000</b>	<b>2,500,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		028 Sewer Surcharge							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
2008	3,267,000	3,267,000	0		0	0	0	0	0	2,500,000	2,500,000
2015	3,956,000	3,956,000	0								
				<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,500,000</b>	<b>2,500,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2007	January 01, 2015	Growth: Maintenance:		Travis Frickey/Anna Godo				2021 and beyond			



# Project Summary

<b>Project #</b>	ECP-034-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Grove/Campbell/McKay Storm Sewers		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>	Ward 2		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
Construction of the Campbell/University storm relief area to relieve basement, street and property flooding. Any sewer works on University Ave. will need to be coordinated with future roadway improvements.				Storm Relief Sewers required are: 2017: Phase 2 - University Ave. - Bridge/Campbell, Wyandotte St. - Josephine/Cameron, Rooney - Bridge/McKay, College - Campbell/east of McKay - \$2M 2018: Engineering - \$125K 2020: McKay/Curry/Adanac - \$3.67m 2021+: Phase 3 - University Ave. - Bridge/Campbell, Wyandotte St. - Josephine/Cameron, Rooney - Bridge/McKay, College - Campbell/east of McKay - \$14m							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7062004											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	2951 INTERNAL Service Salary Allocn							
2017	2,000,000	2,000,000	0		0	0	125,000	0	0	0	125,000
2018	125,000	125,000	0	5410 Construction Contracts - TCA							
2019	0	0	0		0	2,000,000	0	0	3,670,000	14,000,000	19,670,000
2020	3,670,000	3,670,000	0								
2021+	14,000,000	14,000,000	0								
	<b>19,795,000</b>	<b>19,795,000</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>2,000,000</b>	<b>125,000</b>	<b>0</b>	<b>3,670,000</b>	<b>14,000,000</b>	<b>19,795,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		028 Sewer Surcharge							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
2008	1,577,000	1,577,000	0		0	2,000,000	125,000	0	3,670,000	14,000,000	19,795,000
2009	565,000	565,000	0								
2010	1,450,000	1,450,000	0								
2011	1,720,000	1,720,000	0								
2015	1,144,000	1,144,000	0								
				<b>Total :</b>	<b>0</b>	<b>2,000,000</b>	<b>125,000</b>	<b>0</b>	<b>3,670,000</b>	<b>14,000,000</b>	<b>19,795,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2007	January 01, 2015	Growth: Maintenance:		Tiffany Pocock				2021+			



# Project Summary

<b>Project #</b>	ECP-035-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Citywide Sewer Rehabilitation Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>								
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.				City Council on November 2, 2015, approved CR211/2015 as a pre-commitment of \$8,250,000 for St. John St., Queen St., South National and Lens/Marentette/Vimy sewer rehabilitation.								
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
See Document Attached. CLOSED: 7082006-7082017/7082019/7082021-7082026/7092010-7092012/7103002/7103003/7103005-7103007/7111015/7111016/7111018/7132000/7144002/7144003/7144005 OPEN: 7082018/7082020/7092008/7092009/7103004/7111014/7111017/7134000-7134005/7144000/7144001/7144004/7144006/7153000-7153005/7164001/7164003-7164008												
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	12,500,000	12,500,000	0	5410 Construction Contracts - TCA								
2017	14,160,000	14,160,000	0		12,500,000	14,160,000	15,000,000	16,410,000	12,480,325	49,468,628	120,018,953	
2018	15,000,000	15,000,000	0									
2019	16,410,000	16,410,000	0									
2020	12,480,325	12,480,325	0									
2021+	49,468,628	49,468,628	0									
	<b>120,018,953</b>	<b>120,018,953</b>	<b>0</b>									
<b>Historical Approved Budget</b>				<b>Revenues</b>								
		<b>Revenue</b>		028 Sewer Surcharge								
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>		12,500,000	14,160,000	15,000,000	16,410,000	12,480,325	49,468,628	120,018,953	
2007	8,078,000	8,078,000	0									
2008	9,069,000	9,069,000	0									
2009	10,797,000	10,797,000	0									
2010	11,611,000	11,611,000	0									
2011	8,700,000	8,700,000	0									
2012	7,250,000	7,250,000	0									
2013	10,425,000	9,350,000	1,075,000									
2014	15,055,000	15,055,000	0									
2015	10,700,000	10,700,000	0									
					<b>Total</b>	<b>12,500,000</b>	<b>14,160,000</b>	<b>15,000,000</b>	<b>16,410,000</b>	<b>12,480,325</b>	<b>49,468,628</b>	<b>120,018,953</b>



## Project Summary

<b>Project #</b>	ECP-035-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Citywide Sewer Rehabilitation Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

Related Projects			Operating Budget Impact			
Year Identified	Start Date	Project Type for 2016	Effective Date	Description	Exp/(Rev)	FTE Impact
		Project Title				
				No Operating Budget Impact		
2007	January 01, 2015	Growth:25.0% Maintenance:75.0%		Various	Ongoing	

**Project Attachments  
For: 2016**

Project # ECP-035-07

Project Name: City Wide Sewer Rehabilitation Program

							Allocation of 2016 Costs			
Project#	STREET	FROM	TO	Sewer Type	Ward	(\$000's) 2016	(\$000's) Construction	(\$000's) Engineering	(\$000's) Land Acquisition	
<b>Construction</b>										
	Norman Rd	S. National	Alice St	separated	8	\$ 2,100	\$ 1,932	\$ 168	-	
	Queen St	Prince Rd	South St	combined	2	\$ 2,400	\$ 2,208	\$ 192	-	
	South National	Tourangeau Rd	Francois Rd	sanitary	5	\$ 950	\$ 874	\$ 76	-	
	Lens/Marentette	Parent/Vimy	Woodlawn/Memorial	combined	4	\$ 2,600	\$ 2,392	\$ 208	-	
	St. John St	Menard St	Clairview Ave	separated	6	\$ 2,300	\$ 2,116	\$ 184	-	
	Meldrum Rd	Tecumseh Rd	Ypres Ave	separated	5	\$ 1,650	\$ 1,518	\$ 132	-	
<b>Engineering ONLY - For 2018 Projects</b>							\$ 500		\$ 500	
<b>Grand Total</b>							<b>\$ 12,500</b>	<b>\$ 11,040</b>	<b>\$ 1,460</b>	<b>\$ -</b>

Revised Oct 27, 2015

**Project Attachments  
For: 2016**

Project # ECP-035-07

Project Name: City Wide Sewer Rehabilitation Program

**Recommended Sewer Rehabilitation Program (2017 - 2020) \***

STREET	FROM	TO	Sewer Type	Ward	(\$000's)	(\$000's)	(\$000's)	(\$000's)	
					2017	2018	2019	2020	
<b>Construction</b>									
Arthur	CNR	Seminole	separated	5	\$ 2,000				
Peter St	South	Prince	combined	2	\$ 2,630				
Olive Rd	Seminole	CNR	separated	8	\$ 1,200				
Fairview Ave	Edgar	Tranby	separated	6	\$ 2,620				
Moy	Riverside	Wyandotte	combined	4	\$ 2,820				
Marentette	Ellis	Hanna	combined	4	\$ 2,440				
<b>Engineering ONLY - For 2019 Projects</b>						\$ 450			
<b>Construction</b>									
Princess Ave	Tecumseh	Adstol	combined	8		\$ 2,500			
Francois Rd	Seminole St	CN Tracks	over/under	5		\$ 2,000			
Gladstone Ave	Riverside	Wyandotte	combined	4		\$ 2,220			
Mathew Brady Blvd	St. Rose	Edgar	separated	6		\$ 2,100			
Janisse Dr	Wyandotte St E	Raymond Ave	separated	6		\$ 2,320			
McKay/Curry	Rooney	Adanac	combined	2		\$ 3,300			
<b>Engineering ONLY - For 2020 Projects</b>									
List of various projects for 2020 construction not yet developed.							\$ 560		
<b>Construction</b>									
Sunset Ave	Wyandotte St W	cul-de-sac	combined	2			\$ 2,800		
Buckingham Dr	Rose	Iris	combined	8			\$ 3,400		
Mathew Brady Blvd	Edgar	Tranby	separated	6			\$ 2,460		
Olive Rd	Seminole St	Milloy St	separated	8			\$ 3,150		
Ellrose Ave	Reginald St	CN Tracks	over/under	5			\$ 2,900		
Aubin Rd	Guy St	Tecumseh Rd	over/under	5			\$ 1,200		
<b>Engineering ONLY - For 2021 Projects</b>									
List of various projects for 2021 construction not yet developed.							\$ 500		
<b>Construction</b>									
List of projects for 2020 construction being compiled								\$11,980	
<b>Engineering ONLY - For 2022 Projects</b>									
List of various projects for 2022 construction not yet developed.								\$500	
<b>Grand Total</b>						<b>\$ 14,160</b>	<b>\$ 15,000</b>	<b>\$16,410</b>	<b>\$12,480</b>

\* Project list for 2017 - 2020 is preliminary only and must be coordinated with the Windsor Utilities Commission.

Revised Oct 27, 2015



# Project Summary

<b>Project #</b>	ECP-036-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Ojibway Sanitary Sewer Rehabilitation		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>	Ward 1, Ward 2		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
These funds are required to rehabilitate the 75 year 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.				2021+: Rehabilitation - \$3,500,000							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7032060 Closed/7141018											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	0	0	0	3,500,000	3,500,000
2018	0	0	0								
2019	0	0	0								
2020	0	0	0								
2021+	3,500,000	3,500,000	0								
	<b>3,500,000</b>	<b>3,500,000</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,500,000</b>	<b>3,500,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		028 Sewer Surcharge							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
2014	1,900,000	1,900,000	0		0	0	0	0	0	3,500,000	3,500,000
				<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,500,000</b>	<b>3,500,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2007	January 01, 2020	Growth: Maintenance:		Tiffany Pocock				2021+			



# Project Summary

<b>Project #</b>	ECP-041-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Development, Projects & Right of Way
<b>Title</b>	New Infrastructure Development		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
This ongoing allotment is used to repay developers to oversize sewers and roads so other lands can be serviced. Any oversizing required by developers will require the developer's patience for payment to future years as other priorities require funding.											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7035119											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	100,000	100,000	0	5410 Construction Contracts - TCA							
2017	100,000	100,000	0	100,000 100,000 0 100,000 0 450,000 750,000							
2018	0	0	0	Total : 100,000 100,000 0 100,000 0 450,000 750,000							
2019	100,000	100,000	0	<b>Revenues</b>							
2020	0	0	0	028 Sewer Surcharge							
2021+	450,000	450,000	0	100,000 0 0 0 0 0 100,000							
	<b>750,000</b>	<b>750,000</b>	<b>0</b>	169 Pay As You Go - Capital Reserve							
				0 100,000 0 100,000 0 450,000 650,000							
				Total : 100,000 100,000 0 100,000 0 450,000 750,000							
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
		<b>Revenue</b>		<b>Effective Date</b>				<b>Description</b>			
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>					<b>Exp/(Rev)</b>			
2007	150,000	150,000	0					<b>FTE Impact</b>			
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								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				No Operating Budget Impact							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2007	January 01, 2015	Growth:100.0% Maintenance:0.0%		Mark Winterton				Ongoing			





## Project Summary

<b>Project #</b>	HCP-001-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Accessibility - ODA Requirements		
<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>				<b>Version Description</b>								
<p>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 allocation of up to \$50,000 annually for the removal of non-constructive barriers to access the services and facilities by people with disabilities.</p>				<p>The Ministry of Community and Social Services is currently developing a new Accessibility Standard for the Built Environment. Once completed, this standard will replace the current FADS and become the provincial standard that our facilities will be required to meet. All corporate facilities will then need to be audited for compliance with the new standard and the capital budget amended to fund the correction of the identified deficiencies.</p>								
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
7035138 closed/7086008												
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	0	0	0	5410 Construction Contracts - TCA								
2017	0	0	0	0	0	0	0	0	100,000	200,000	300,000	
2018	0	0	0	<hr/>								
2019	0	0	0	Total :	0	0	0	0	100,000	200,000	300,000	
2020	100,000	100,000	0	<b>Revenues</b>								
2021+	200,000	200,000	0	160 Capital Expenditure Reserve								
	<b>300,000</b>	<b>300,000</b>	<b>0</b>	0	0	0	0	0	100,000	200,000	300,000	
<b>Historical Approved Budget</b>				<hr/>								
		<b>Revenue</b>		<hr/>								
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Total :</b>								
2007	100,000	100,000	0	0	0	0	0	0	100,000	200,000	300,000	
2008	100,000	100,000	0	<hr/>								
2009	300,000	300,000	0									
2010	300,000	300,000	0									
2014	100,000	100,000	0									
2015	100,000	100,000	0									
<b>Related Projects</b>				<b>Operating Budget Impact</b>								
<b>Project Title</b>				<b>Effective Date</b>				<b>Description</b>		<b>Exp/(Rev)</b>		<b>FTE Impact</b>
				No Operating Budget Impact								
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>				
2007	January 01, 2015	Growth: Maintenance:		Gayle Jones/Tom Graziano				Ongoing				



# Project Summary

<b>Project #</b>	HCP-002-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Roof 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)		

<p><b>Project Description</b></p> <p>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.</p>	<p><b>Version Description</b></p> <p>The City has several building roofs that need attention. Jobs have been prioritized and estimated according to current status. See attachment for details by year.</p>																																																																																																										
<p><b>Project Comments/Reference</b></p> <p>See document attached for complete listing. 7085008</p>	<p><b>Version Comments</b></p>																																																																																																										
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## Project Summary

<b>Project #</b>	HCP-002-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Roof 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)		

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2007	January 01, 2015	Growth:0.0% Maintenance:100.0%	Donna Desantis/Mel Douglas	Ongoing

	<b>BUILDING</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
1	Transit - phase 2					
2	Optimist Community Centre( roof + mansard)	\$179,000				
3	Mic Mac Outdoor Pool	\$16,000				
4	Adie Knox Pool (upper roof)		\$145,000			
5	Mic Mac CC		\$46,400			
6	Glengary Community Centre (Gym Area)		\$48,300			
7	Transit-phase 3			\$331,300		
8	Firehall #5			\$85,400		
9	Charles Clark Square (zamboni building)			\$13,000		
10	Charles Clark Square (concession building)			\$18,000		
12	Riverside Outdoor Pool		\$12,000			
13	Forest Glade Library		\$68,300			
14	Remington Park Library			\$13,400		
15	Fire Apparatus (standing seam roof)	\$60,000				
16	Remington Pool Washrooms		\$10,400			
17	Huron Lodge (parapets)		\$960,000			
18	Various Other					
19	Willistead Repairs	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000
22	Capitol Theatre	\$88,000				
23	Fountainbleau Library				\$174,500	
24	Forest Glade Community Center				\$164,400	
25	Willistead Manor, Coach House, Gate House Replacement					\$750,000
26	Gino A Marcus CC					\$570,500
27	Jefferson Police Station TBD					
28	Bridgeview & Budimir Libraries (WPL-006-11)	\$103,000			\$80,000	
	<b>TOTAL REQUESTED</b>	<b>\$456,000</b>	<b>\$1,300,400</b>	<b>\$471,100</b>	<b>\$428,900</b>	<b>\$1,330,500</b>



# Project Summary

<b>Project #</b>	OPS-007-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Operations' Facilities Improvements		
<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)		

<p><b>Project Description</b></p> <p>Ongoing improvements to buildings and fuel sites based on priority. Maintenance, Contracts, and Fleet Divisions are headquartered at the Crawford Yard Facility. (Satellite locations for these divisions include offices at 2545 Pillette Road, east end winter control salt storage, and administrative trailer at 3540 N. Service Rd.) The Operations Department is also responsible for 10 active fuel sites at various locations in the City. Crawford Yard Facility was converted from prior industrial uses to accommodate Public Works staff over 45 years ago. There are 4 buildings, a salt dome and 3 smaller 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, TSSA (Technical Standards and Safety Authority/Act) standards, and the age of the various buildings, site and fuel sites.</p>	<p><b>Version Description</b></p> <p>An annual allotment of \$25,000 for various repairs, to address health &amp; safety issues, unexpected needs, and to perform proper maintenance is also needed. Additional funds requested for specific issues currently identified:</p> <p>2016 - Repairs to overhead door - \$25,000          2017 - Demolition of old salt storage facility - \$50,000 (Note that \$250k was approved in 2015 for the construction of a new salt storage facility.)          2021 - Crawford Yard Main Building: renovate area in stockroom for lockers and washroom facilities - \$50,000              - Crawford Yard Main Building: shop floor drain repairs - \$100,000+              - Crawford Yard Main Building: window replacement - \$50,000</p>																																																																																																										
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## Project Summary

<b>Project #</b>	OPS-007-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Operations' Facilities Improvements		
<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 Title			Effective Date	Description	Exp/(Rev)	FTE Impact
			Unknown	The lack of capital funding for these works will result in the deferral of repairs, further deterioration of the aging facilities, and increase the likelihood of over-expenditures in the operating budget when emergency repairs must be undertaken for operational and/or legislative reasons.	0	0

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2007	January 01, 2015	Growth:0.0% Maintenance:100.0%	Pierangelo Desimone / Diana Digirolamo	Ongoing



# Project Summary

<b>Project #</b>	OPS-011-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Traffic Operations Facilities Upgrades		
<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>				<b>Version Description</b>							
Ongoing consolidation of traffic operations' facilities on McDougall Street as approved by CR646/2002. Phase 1 (1266 McDougall) has been completed. Phase 2 Signs and Markings Garage and Paint Storage Facility construction (1269 Mercer) was completed in 2006. The 2021+ allocation is for completion of the final phase (Phase 3) at 1269 Mercer, which is the Signal Garage. This latter phase will provide secure shelter for boom trucks and inventory items currently stored outside on the premises. This project may be impacted by the Streetlight portfolio as garage and yard storage may be required.				2016 - Conversion of garage space to 2 offices \$35,000 2021 - Phase 3 - 1269 Mercer							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7033010 closed/7161013											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	35,000	35,000	0	5410 Construction Contracts - TCA							
2017	0	0	0		35,000	0	0	0	0	1,100,000	1,135,000
2018	0	0	0	<b>Total :</b>	35,000	0	0	0	0	1,100,000	1,135,000
2019	0	0	0	<b>Revenues</b>							
2020	0	0	0	169 Pay As You Go - Capital Reserve	35,000	0	0	0	0	1,100,000	1,135,000
2021+	1,100,000	1,100,000	0	<b>Total :</b>	35,000	0	0	0	0	1,100,000	1,135,000
	<b>1,135,000</b>	<b>1,135,000</b>	<b>0</b>								
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
				No Operating Budget Impact							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2007	January 01, 2021	Growth:0.0% Maintenance:100.0%		Tom Graziano/John Wolf				2021+			



## Project Summary

<b>Project #</b>	PFO-014-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Health & Safety		
<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	Version Description
<p>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.</p> <p>Facilities Operations finds itself called upon to resolve Health &amp; 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 1 million square feet of space among various City owned facilities. This includes ensuring that Health &amp; 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 &amp; Safety related upgrades will steadily increase.</p>	<p>Issues that will require attention as a result of various Provincial Ministry and Municipal orders include but are not limited to the following:</p> <ul style="list-style-type: none"> <li>- mould remediation</li> <li>- work environment illumination levels as set forth by the Ministry of Labour</li> <li>- washroom improvements</li> <li>- sidewalk/pathway trip hazards</li> <li>- flooring trip hazards &amp; other structural hazards</li> <li>- air quality &amp; noise improvements</li> <li>- Electrical Safety Authority Orders to Comply</li> <li>- Fire Prevention Officer Orders to Comply</li> </ul> <p>Outstanding orders from both the ESA and our own Health &amp; Safety team are currently being compiled. It should be noted that this represents a running total that is fluid and changes over time.</p> <p>We anticipate a backlog of work orders based on Bill C-45, although we'll deal with them as far as our funding will allow.</p> <p>It can be effectively demonstrated that more funds will be required in future years.</p>
Project Comments/Reference	Version Comments
<p>7086007</p>	<p>Health and Safety projects include but are not limited to:</p> <ul style="list-style-type: none"> <li>- the parking lighting poles at Huron Lodge as a structural hazard</li> <li>- the sidewalk/pathways at certain Fire Halls as a trip hazard</li> </ul>





# Project Summary

<b>Project #</b>	PFO-014-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Health & Safety		
<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 Forecast			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2016	0	0	0
2017	150,000	150,000	0
2018	150,000	150,000	0
2019	100,000	100,000	0
2020	100,000	100,000	0
2021+	350,000	350,000	0
	<b>850,000</b>	<b>850,000</b>	<b>0</b>

Historical Approved Budget			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2007	75,000	75,000	0
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

Related Projects		
Year Identified	Start Date	Project Type for 2016
2007	January 01, 2015	Growth: Maintenance:

Project Detailed Forecast							
GL Account	2016	2017	2018	2019	2020	2021+	Total
<b>Expenses</b>							
5410 Construction Contracts - TCA	0	150,000	150,000	100,000	100,000	350,000	850,000
Total :	0	150,000	150,000	100,000	100,000	350,000	850,000
<b>Revenues</b>							
160 Capital Expenditure Reserve	0	150,000	150,000	100,000	100,000	350,000	850,000
Total :	0	150,000	150,000	100,000	100,000	350,000	850,000

Operating Budget Impact			
Effective Date	Description	Exp/(Rev)	FTE Impact
	No Operating Budget Impact		

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2007	January 01, 2015	Growth: Maintenance:	Tom Graziano	Ongoing



# Project Summary

<b>Project #</b>	REC-005-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Municipal 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)		

<b>Project Description</b>	<b>Version Description</b>																																																																																																										
<p>Ongoing upgrades/refurbishments to municipal arenas in order to ensure that they remain functional 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, South Windsor Arena and WFCU Centre). Compressors/chillers are very expensive equipment that require ongoing maintenance programs and major overhauls every few years.</p>	<p>On a 3 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 in years 2017 &amp; 2020 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., the requested annual funding is \$250,000.</p>																																																																																																										
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## Project Summary

<b>Project #</b>	REC-005-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Municipal 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)		

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2007	January 01, 2015	Growth:0.0% Maintenance:100.0%	Jan Wilson/Tom Graziano	Ongoing

Project #: REC-005-07

Project Name: Municipal Arenas Refurbishments

<b>Carryforward</b>		
	<u>Estimated Value of Work</u>	<u>Budget Available</u>
Condenser - SWRC	135,000	
Equipment Upgrades	11,589	
<b>Total</b>	<b>146,589</b>	<b>146,589</b>
<b>2016</b>		
South Windsor Expansion Project (Oakwood Consolidation)	240,000	
Equipment Upgrades	10,000	
<b>Total</b>	<b>250,000</b>	<b>250,000</b>
<b>2017</b>		
Structural Assessments	30,000	
Paint dressing rooms and public spaces	100,000	
Mechanical Upgrade	150,000	
<b>Total</b>	<b>280,000</b>	<b>280,000</b>
<b>2018</b>		
Roof Upgrade - SWRC	200,000	
Equipment Upgrades	50,000	
<b>Total</b>	<b>250,000</b>	<b>250,000</b>
<b>2019</b>		
Flat Roof Upgrades - AK	50,000	
Mechanical Upgrade	200,000	
<b>Total</b>	<b>250,000</b>	<b>250,000</b>
<b>2020</b>		
Structural Assessments	30,000	
Mechanical Upgrade	250,000	
<b>Total</b>	<b>280,000</b>	<b>280,000</b>
<b>2021+</b>		
Security System (card access and video surveillance)	500,000	
<b>Total</b>	<b>500,000</b>	<b>-</b>



## Project Summary

<b>Project #</b>	REC-006-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Mackenzie Hall		
<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)		

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## Project Summary

<b>Project #</b>	REC-006-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Mackenzie Hall		
<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)		

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2007	January 01, 2015	Growth:0.0% Maintenance:100.0%	Derek Thachuk	Ongoing



# Project Summary

<b>Project #</b>	ECP-002-08	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Provincial/Division Corridor Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	Ward 9		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version 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.				Provincial/Division Corridor Improvements: Note: Estimates do not include utilities, land acquisition or storm sewers. 2016: Engineering/Property Acquisition for the N. Roseland Stormwater Facility - \$3.069m 2017: Improvements to the N. Roseland Stormwater Facility - \$2.0m 2019: Improvements to the N. Roseland Stormwater Facility - \$2.0m 2020 : Improvements to N. Roseland Stormwater Facility - \$1.85m 2021+: Provincial/6th Concession Intersection - \$7.35m Provincial - 6th Concession to Legacy Park - \$9.14m Phased Construction - \$43.6m							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7086003											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	3,069,000	3,069,000	0	5410 Construction Contracts - TCA							
2017	2,000,000	2,000,000	0		3,069,000	2,000,000	0	2,000,000	1,850,000	60,090,000	69,009,000
2018	0	0	0	<b>Total :</b>	<b>3,069,000</b>	<b>2,000,000</b>	<b>0</b>	<b>2,000,000</b>	<b>1,850,000</b>	<b>60,090,000</b>	<b>69,009,000</b>
2019	2,000,000	2,000,000	0	<b>Revenues</b>							
2020	1,850,000	1,850,000	0	028 Sewer Surcharge							
2021+	60,090,000	60,090,000	0		3,045,000	1,500,000	0	2,000,000	0	0	6,545,000
	<b>69,009,000</b>	<b>69,009,000</b>	<b>0</b>	117 Dev Chg - Storm & Drains							
					24,000	0	0	0	0	0	24,000
				169 Pay As You Go - Capital Reserve							
					0	500,000	0	0	1,850,000	60,090,000	62,440,000
				<b>Total :</b>	<b>3,069,000</b>	<b>2,000,000</b>	<b>0</b>	<b>2,000,000</b>	<b>1,850,000</b>	<b>60,090,000</b>	<b>69,009,000</b>
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>			<b>Exp/(Rev)</b>	<b>FTE Impact</b>		
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	No Operating Budget Impact							
2008	120,000	120,000	0								
2009	600,000	600,000	0								
2010	8,226,666	4,226,666	4,000,000								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>											
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2008	January 01, 2016	Growth:100.0% Maintenance:0.0%		Jane He				2021+			



# Project Summary

<b>Project #</b>	ECP-003-08	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Howard Avenue South Corridor Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	Ward 1, Ward 9		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
Improvements to the Howard Avenue corridor are required as a result of traffic growth from expanded residential and commercial activity. The ESR for this project was completed in 2003. Limits of entire project are South Cameron Blvd. to Herb Gray Parkway.				Howard Avenue South Corridor Improvements: Phasing of this project is dependent upon timing of Highway #3 and Huron Church Rd. improvements. 2020: Land Acquisition - Howard at Lake Trail Dr. - \$350k 2021+: Construction - Howard/South Cameron - \$9.85m Construction - Howard at Lake Trail Dr. - \$5.0m Phased Construction - \$25.2m							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7096001											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0								
2018	0	0	0								
2019	0	0	0								
2020	350,000	350,000	0								
2021+	40,200,000	40,200,000	0								
	<b>40,550,000</b>	<b>40,550,000</b>	<b>0</b>								
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		169 Pay As You Go - Capital Reserve							
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>								
2009	150,000	150,000	0								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
				No Operating Budget Impact							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2008	January 01, 2020	Growth: Maintenance:		Tiffany Pocock				2021+			





# Project Summary

<b>Project #</b>	ECP-004-08	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Municipal Drains		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>																																																																																																																	
Maintenance of Municipal Drains as required under the Drainage Act, s74 (Maintenance of drainage works and cost) and s79(1) (Power to compel repairs). Section 79(1) provides any person affected by the condition of a drain the power to compel repairs and places potential liability on the responsible municipality.				Municipal Drains: 2016: Drainage Engineer Reports and maintenance as required - \$100,000. 2017: Drainage Engineer Reports and maintenance as required - \$100,000. 2018: Drainage Engineer Reports and maintenance as required - \$200,000. 2020: Drainage Engineer Reports and maintenance as required - \$200,000. 2021+: Drainage Engineer Reports and maintenance as required - \$200,000.																																																																																																																	
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2008	400,000	400,000	0																																																																																																																		
2009	200,000	200,000	0																																																																																																																		
2010	200,000	200,000	0																																																																																																																		
2011	200,000	200,000	0																																																																																																																		
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2014	200,000	200,000	0																																																																																																																		
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<b>Related Projects</b>				<b>Operating Budget Impact</b>																																																																																																																	
Project Title				Effective Date      Description      Exp/(Rev)      FTE Impact																																																																																																																	
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<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>																																																																																																													
2008	January 01, 2015	Growth:0.0% Maintenance:100.0%		Anna Godo/Sergio Colucci				Ongoing																																																																																																													



# Project Summary

<b>Project #</b>	ECP-005-08	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Grand Marais Drain Improvements (Concrete Channel)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>	Ward 10		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
<p>Portions of the existing concrete channel between Dougall Avenue and Huron Church Road is in poor structural condition and as a result reconstruction of portions of the channel and panels are required. An environmental study report was completed in June of 2012 which identified various options including naturalising/enclosing portions of the existing concrete channel.</p>				<p>Grand Marais Drain Improvements (Concrete Channel):            2016: Engineering - \$250,000            2021+: Phased Construction - \$36.73m</p>							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7086005											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	250,000	250,000	0	5410 Construction Contracts - TCA							
2017	0	0	0								
2018	0	0	0								
2019	0	0	0								
2020	0	0	0								
2021+	36,730,000	36,730,000	0								
	<b>36,980,000</b>	<b>36,980,000</b>	<b>0</b>								
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		028 Sewer Surcharge							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
2008	250,000	250,000	0								
2009	250,000	250,000	0								
2010	500,000	500,000	0								
2011	500,000	500,000	0								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2008	January 01, 2016	Growth:0.0% Maintenance:100.0%		Jane He				2021+			



## Project Summary

<b>Project #</b>	ECP-009-08	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Development, Projects & Right of Way
<b>Title</b>	Site Environment Assessments/Corporate Demolitions - various properties		
<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)		

<p><b>Project Description</b></p> <p>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.</p> <p>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 neighbouring property owners and residents. In order to mitigate the potential liability and facilitate disposition of the properties as appropriate, funding is sometimes required to demolish the existing structures. It is proposed to expand this project to include funding for vacant City-owned properties that require demolition.</p>	<p><b>Version Description</b></p> <p>The main site under this project has been the former Wickes site, which has now been sold. This project further includes the demolition of designated City-owned properties, should surplus funds be available, and will allow for the demolition of existing buildings on the following sites:          673 Caron          462 Crawford          1280 Wellington          3617 Queen          1191 Drouillard          1491 Matthew Brady</p> <p>The current project is estimated to have sufficient funds to complete the above noted projects. Subsequent properties will be brought forward in future years as funds become available.</p>																																																																																																										
<p><b>Project Comments/Reference</b></p> <p>7081019 - In addition to any environmental site assessments that may come up, the demolition of City owned properties will be completed as required. As of September 30, 2015, this project has a balance of approximately \$1.5M.</p>	<p><b>Version Comments</b></p>																																																																																																										
<p><b>Project Forecast</b></p> <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>2016</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2017</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2018</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2019</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2020</td><td>200,000</td><td>200,000</td><td>0</td></tr> <tr><td>2021+</td><td>200,000</td><td>200,000</td><td>0</td></tr> <tr> <td></td> <td><b>400,000</b></td> <td><b>400,000</b></td> <td><b>0</b></td> </tr> </tbody> </table>	Year	Total Expense	Revenue		Net City Cost	Subsidies	2016	0	0	0	2017	0	0	0	2018	0	0	0	2019	0	0	0	2020	200,000	200,000	0	2021+	200,000	200,000	0		<b>400,000</b>	<b>400,000</b>	<b>0</b>	<p><b>Project Detailed Forecast</b></p> <table border="1"> <thead> <tr> <th>GL Account</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021+</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td colspan="8"><b>Expenses</b></td> </tr> <tr> <td>5410 Construction Contracts - TCA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>200,000</td> <td>200,000</td> <td>400,000</td> </tr> <tr> <td>Total :</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>200,000</td> <td>200,000</td> <td>400,000</td> </tr> <tr> <td colspan="8"><b>Revenues</b></td> </tr> <tr> <td>169 Pay As You Go - Capital Reserve</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>200,000</td> <td>200,000</td> <td>400,000</td> </tr> <tr> <td>Total :</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>200,000</td> <td>200,000</td> <td>400,000</td> </tr> </tbody> </table>	GL Account	2016	2017	2018	2019	2020	2021+	Total	<b>Expenses</b>								5410 Construction Contracts - TCA									0	0	0	0	200,000	200,000	400,000	Total :	0	0	0	0	200,000	200,000	400,000	<b>Revenues</b>								169 Pay As You Go - Capital Reserve									0	0	0	0	200,000	200,000	400,000	Total :	0	0	0	0	200,000	200,000	400,000
Year			Total Expense	Revenue																																																																																																							
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2014	1,005,000	1,005,000	0																																																																																																								
<p><b>Related Projects</b></p>																																																																																																											



## Project Summary

<b>Project #</b>	ECP-009-08	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Development, Projects & Right of Way
<b>Title</b>	Site Environment Assessments/Corporate Demolitions - various properties		
<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 Title			Effective Date	Description	Exp/(Rev)	FTE Impact
				No Operating Budget Impact		
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>	<b>Project Lead</b>		<b>Est. Completion Date</b>	
2008	January 01, 2020	Growth: Maintenance:	France Isabelle Tunks		Ongoing	



## Project Summary

<b>Project #</b>	ENV-001-08	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Pollution Control
<b>Title</b>	Lou Romano Water Reclamation Plant		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

Project Description	Version Description
<p>The project was established for repairs to the particular facility and other LRWRP capital related costs. It is funded from the Lou Romano Water Reclamation Plant dedicated Reserve Fund 131.</p> <p>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.</p> <p>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.</p> <p>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.</p>	<p>2016 Capital Works: \$2,250,000</p> <p>\$600,000 - Main Pumphouse Valves: Involves the replacement of the existing suction, discharge and bypass valve associated with the raw sewage pumps in the main pumphouse. The valves are 40+ years old and are at/or near the end of their useful life, as leaks and failures have already started to occur. The valves are specialty items which require a minimum of 6-8 month lead time and planned replacement is preferred to reduce the likelihood of failure and equipment being out of service.</p> <p>\$650,000 - Inlet Refurbishment: Involves the rehabilitation of the main plant inlet structure including the replacement of handrails and inlet gates, along with concrete restoration.</p> <p>\$500,000 - Diesel #2/MCC/Switchgear Upgrade: Involves the replacement of the existing diesel generator, motor control centre and switch gear. The equipment is 40+ years old and is at the end of its useful life. The equipment is specialized and requires a minimum of 6-8 month lead time. Planned replacement is preferred to reduce the likelihood of failure and equipment being out of service.</p> <p>\$200,000 - Main Pumphouse Piping: Involves the repair of piping in the main pumphouse due to corrosion at the joints. The piping is 40+ years old and joint corrosion is evident; requiring repair and/or replacement.</p> <p>\$300,000 - 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.</p>
Project Comments/Reference	Version Comments
<p>See Document Attached. 7091009/7141035/7141036/7141037/7141038/7152002/7161006/7161007</p>	



# Project Summary

<b>Project #</b>	ENV-001-08	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Pollution Control
<b>Title</b>	Lou Romano Water Reclamation Plant		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

Project Forecast			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2016	2,250,000	2,250,000	0
2017	2,150,000	2,150,000	0
2018	700,000	700,000	0
2019	1,350,000	1,350,000	0
2020	750,000	750,000	0
2021+	10,650,000	10,650,000	0
	<b>17,850,000</b>	<b>17,850,000</b>	<b>0</b>

Historical Approved Budget			
Year	Total Expense	Revenue	
		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

Related Projects	
Year Identified	Project Title

Project Detailed Forecast							
GL Account	2016	2017	2018	2019	2020	2021+	Total
<b>Expenses</b>							
5410 Construction Contracts - TCA							
	2,250,000	2,150,000	700,000	1,350,000	750,000	10,650,000	17,850,000
Total :	2,250,000	2,150,000	700,000	1,350,000	750,000	10,650,000	17,850,000
<b>Revenues</b>							
131 West Windsor PCP							
	2,250,000	2,150,000	700,000	1,350,000	750,000	10,650,000	17,850,000
Total :	2,250,000	2,150,000	700,000	1,350,000	750,000	10,650,000	17,850,000

Operating Budget Impact			
Effective Date	Description	Exp/(Rev)	FTE Impact
No Operating Budget Impact			

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2008	January 02, 2015	Growth:0.0% Maintenance:100.0%	Chris Manzoni	Ongoing

**Project Attachments  
For: 2016**

**Project # ENV-001-08**

**Project Name: Lou Romano Water Reclamation Plant**

<b>Capital Project #7091009</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
Lab equipment		\$200,000				\$200,000	\$400,000
RS Pump Rebuilds		\$600,000				\$1,500,000	\$2,100,000
SCADA Equipment				\$200,000	\$200,000	\$200,000	\$600,000
BAF Valve repair/replacement				\$50,000	\$50,000	\$550,000	\$650,000
Bar Screens Rakes and Conveyors						\$100,000	\$100,000
PST refurbish		\$800,000		\$600,000		\$800,000	\$2,200,000
Main Pumphouse Valves	\$600,000						\$600,000
Channel Refurbishment		\$100,000				\$400,000	\$500,000
BAF Cell Refurbishment		\$100,000	\$100,000	\$100,000	\$100,000	\$3,500,000	\$3,900,000
UV Module Replacement			\$50,000	\$50,000	\$50,000	\$100,000	\$250,000
Sluice Gate Refurbishment		\$50,000	\$50,000	\$50,000	\$50,000	\$100,000	\$300,000
Inlet Refurbishment	\$650,000						\$650,000
Diesel #2 / MCC / Switchgear Upgrade	\$500,000						\$500,000
Main Pumphouse Piping	\$200,000						\$200,000
Miscellaneous	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$3,000,000	\$4,500,000
Security			\$200,000			\$200,000	\$400,000
<b>Total</b>	<b>\$2,250,000</b>	<b>\$2,150,000</b>	<b>\$700,000</b>	<b>\$1,350,000</b>	<b>\$750,000</b>	<b>\$10,650,000</b>	<b>\$17,850,000</b>

**2016 Anticipated Capital Works:**

**Main Pumphouse Valves:** Involves the replacement of the existing suction, discharge and bypass valve associated with the raw sewage pumps in the main pumphouse. The valves are 40+ years old and are at/or near the end of their useful life, as leaks and failures have already started to occur. The valves are specialty items which require a minimum of 6-8 month lead time and planned replacement is preferred to reduce the likelihood of failure and equipment being out of service.

**Inlet Refurbishment:** Involves the rehabilitation of the main plant inlet structure including the replacement of handrails and inlet gates, along with concrete restoration.

**Diesel #2 / MCC / Switchgear Upgrade:** Involves the replacement of the existing diesel generator, motor control centre and switch gear. The equipment is 40+ years old and is at the end of its' useful life. The equipment is specialized and requires a minimum 6-8 month lead time. Planned replacement is preferred to reduce the likelihood of failure and equipment being out of service.

**Main Pumphouse Piping:** Involves the repair of piping in the main pumphouse due to corrosion at the joints. The piping is 40+ years old and joint corrosion is evident; requiring repair and / or replacement.

**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.



## Project Summary

<b>Project #</b>	ENV-002-08	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Pollution Control
<b>Title</b>	Little River Pollution Control Plant		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

Project Description	Version Description
<p>Established for the repairs of the particular facility and other LRPCP capital related costs. Funded from the dedicated Reserve F132.</p> <p>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.</p> <p>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.</p> <p>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.</p>	<p>2016 Capital Works: \$2,030,000</p> <p>\$1,000,000 - Diesel #1 and Diesel #2, with Distribution Switch: Involves the replacement of the existing diesel generator, motor control centre and distribution switchgear. The equipment is 40+ years old and is at the end of its useful life. The equipment is specialized and requires a minimum of 6-8 months of lead time. Planned replacement is preferred to reduce the likelihood of failure and equipment being out of service.</p> <p>\$50,000 - Upgrade I/O: Involves the replacement of the electronic components which allow for the centralized control and monitoring of all the equipment throughout the facility.</p> <p>\$100,000 - Bar Screen Rakes and Conveyors: Involves the modification of the bar screen rakes to address high flow matting of the bar screens from sewer debris flushing.</p> <p>\$150,000 - Plant 1 Aeration Cell 2 Anoxic Zone: This involves the construction of the last anoxic zone in plant 1 aeration to ensure proper and efficient activated sludge process across all cells.</p> <p>\$80,000 - SPH - PSP replacements (primary sludge pumps and sludge feed pumps): Involves the repair or replacement of the positive displacement sludge pumps which wear due to the abrasive nature of the material being pumped.</p> <p>\$300,000 - Dewatering Polymer Batching System: Involves the replacement of the dewatering polymer batching system equipment due to age and wear. The existing polymer system is 25+ years old, is failing and replacement components are no longer available.</p> <p>\$100,000 - Security: Involves the updating of the perimeter access gate, controls and cameras to address updated site security measures.</p> <p>\$250,000 - 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.</p>
Project Comments/Reference	Version Comments
<p>See Document Attached. 7091011/7141039/7141040/7151016/7161019/7161020/7161021/7161022/7161023</p>	





# Project Summary

<b>Project #</b>	ENV-002-08	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Pollution Control
<b>Title</b>	Little River Pollution Control Plant		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

Project Forecast			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2016	2,030,000	2,030,000	0
2017	2,270,000	2,270,000	0
2018	645,000	645,000	0
2019	2,755,000	2,755,000	0
2020	525,000	525,000	0
2021+	3,855,000	3,855,000	0
	<b>12,080,000</b>	<b>12,080,000</b>	<b>0</b>

Project Detailed Forecast							
GL Account	2016	2017	2018	2019	2020	2021+	Total
<b>Expenses</b>							
5410 Construction Contracts - TCA			645,000	2,755,000	525,000	3,855,000	12,080,000
Total :	2,030,000	2,270,000	645,000	2,755,000	525,000	3,855,000	12,080,000
<b>Revenues</b>							
132 Little River PCP	2,030,000	2,270,000	645,000	2,755,000	525,000	3,855,000	12,080,000
Total :	2,030,000	2,270,000	645,000	2,755,000	525,000	3,855,000	12,080,000

Historical Approved Budget			
Year	Total Expense	Revenue	
		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

Related Projects		
Year Identified	Start Date	Project Type for 2016
2008	January 01, 2015	Growth:0.0% Maintenance:100.0%

Operating Budget Impact			
Effective Date	Description	Exp/(Rev)	FTE Impact
No Operating Budget Impact			

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2008	January 01, 2015	Growth:0.0% Maintenance:100.0%	Chris Manzoni	Ongoing

**Project Attachments  
For: 2016**

**Project # ENV-002-08**

**Project Name: Little River Pollution Control Plant**

<b>Capital Project #7091011</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
Diesel #1 & Diesel #2, with Distribution Switch	\$1,000,000						\$1,000,000
3 Schwing Pumps				\$100,000			\$100,000
HVAC Units (Dewatering)		\$400,000					\$400,000
UV System Upgrade / Replacement				\$2,000,000			\$2,000,000
Upgrade 90/70 PLC		\$125,000					\$125,000
Upgrade I/O System	\$50,000	\$50,000					\$100,000
RS Pump Rebuilds			\$50,000	\$50,000		\$100,000	\$200,000
Bar Screens Rakes and Conveyors	\$100,000						\$100,000
Plant 1 Aeration Cell 2 Anoxic Zone	\$150,000						\$150,000
PST Refurbishment		\$60,000	\$60,000	\$60,000	\$60,000		\$240,000
FST Refurbishment		\$60,000	\$60,000	\$60,000	\$60,000		\$240,000
Misc. Concrete Tank and Channel Refurbishment		\$35,000	\$35,000	\$35,000	\$35,000	\$405,000	\$545,000
Aeration Cell Refurbishment		\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$300,000
Sluice Gate Refurbishment		\$50,000	\$50,000	\$60,000	\$60,000	\$690,000	\$910,000
SPH - PSP Replacements	\$80,000	\$80,000	\$80,000	\$80,000			\$320,000
Aeration Blower Replacements		\$1,100,000					\$1,100,000
Dewatering Polymer Batching System	\$300,000						\$300,000
Security	\$100,000					\$100,000	\$200,000
Miscellaneous	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$2,500,000	\$3,750,000
<b>Total</b>	<b>\$2,030,000</b>	<b>\$2,270,000</b>	<b>\$645,000</b>	<b>\$2,755,000</b>	<b>\$525,000</b>	<b>\$3,855,000</b>	<b>\$12,080,000</b>

**2016 Anticipated Capital Works:**

**Diesel #1 & Diesel #2, with Distribution Switch:** Involves the replacement of the existing diesel generator, motor control centre, and distribution switchgear. The equipment is 40+ years old and is at the end of its' useful life. The equipment is specialized and requires a minimum of 6-8 months of lead time. Planned replacement is preferred to reduce the likelihood of failure and equipment being out of service.

**Upgrade Genius I/O:** Involves the replacement of the electronic components which allow for the centralized control and monitoring of all the equipment throughout the facility.

**Bar Screens Rakes and Conveyors:** Involves the modification of the bar screen rakes to address high flow matting of the bar screens from sewer debris flushing.

**Plant 1 Aeration Cell 2 Anoxic Zone:** This involves the construction of the last anoxic zone in plant 1 aeration to ensure proper and efficient activated sludge process across all cells.

**SPH - PSP replacements (primary sludge pumps and sludge feed pumps):** Involves the repair or replacement of the positive displacement sludge pumps which wear due to the abrasive nature of the material being pumped.

**Dewatering Polymer Batching System:** Involves the replacement of the dewatering polymer batching system equipment due to age and wear. The existing polymer system is 25+ years old, is failing and replacement components are no longer available.

**Project Attachments  
For: 2016**

***Project # ENV-002-08***

***Project Name: Little River Pollution Control Plant***

**Security:** Involves the updating of the perimeter access gate, controls and cameras to address updated site security measures.

**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.



## Project Summary

<b>Project #</b>	ENV-003-08	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Pollution Control
<b>Title</b>	Pumping Stations		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

Project Description	Version Description
<p>Established for repairs to various pumping station facilities and other capital related costs. Funded from the dedicated Reserve Fund 133.</p> <p>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.</p> <p>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.</p> <p>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.</p>	<p>2016 Capital Works: \$400,000</p> <p>\$50,000 - Pillette: Involves the replacement of pumps due to age and wear. The pumps are 30+ years old and reliability and efficiency will be addressed through this replacement.</p> <p>\$150,000 - St. Paul: Involves the repair and/or replacement of some of the pumps due to age and wear. The pumps are 40 years old and reliability and efficiency will be addressed through this replacement.</p> <p>\$200,000 - 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.</p>
Project Comments/Reference	Version Comments
<p>See Document Attached. 7091010/7141042</p>	



# Project Summary

<b>Project #</b>	ENV-003-08	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Pollution Control
<b>Title</b>	Pumping Stations		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

Project Forecast			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2016	400,000	400,000	0
2017	1,200,000	1,200,000	0
2018	200,000	200,000	0
2019	2,030,000	2,030,000	0
2020	430,000	430,000	0
2021+	7,890,000	7,890,000	0
	<b>12,150,000</b>	<b>12,150,000</b>	<b>0</b>

Historical Approved Budget			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2008	150,000	150,000	0
2009	225,000	225,000	0
2010	410,000	410,000	0
2011	100,000	100,000	0
2012	595,000	595,000	0
2013	1,005,000	1,005,000	0
2014	970,000	970,000	0
2015	525,000	525,000	0

Related Projects	
Year Identified	Project Title

Project Detailed Forecast							
GL Account	2016	2017	2018	2019	2020	2021+	Total
<b>Expenses</b>							
5410 Construction Contracts - TCA							
	400,000	1,200,000	200,000	2,030,000	430,000	7,890,000	12,150,000
Total :	400,000	1,200,000	200,000	2,030,000	430,000	7,890,000	12,150,000
<b>Revenues</b>							
133 Pumping Stations							
	400,000	1,200,000	200,000	2,030,000	430,000	7,890,000	12,150,000
Total :	400,000	1,200,000	200,000	2,030,000	430,000	7,890,000	12,150,000

Operating Budget Impact			
Effective Date	Description	Exp/(Rev)	FTE Impact
	No Operating Budget Impact		

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2008	January 01, 2015	Growth:0.0% Maintenance:100.0%	John Guidolin / Sergio Mannina	Ongoing

**Project Attachments  
For: 2016**

**Project # ENV-003-08**

**Project Name: Pumping Stations**

<b>Capital Project #7091010</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Ambassador/Ojibway</b>							
Pumps/Diesel						\$130,000	\$130,000
MCC/Controls						\$100,000	\$100,000
<b>Aspen Lake</b>							
Dredging						\$500,000	\$500,000
<b>Drouillard</b>							
MCC upgrade/replacement				\$250,000			\$250,000
<b>East Banwell</b>							
dredging/cleaning						\$50,000	\$50,000
<b>East Marsh</b>							
diesel / mcc		\$200,000					\$200,000
<b>Grand Marais</b>							
diesel driven pump					\$150,000		\$150,000
<b>Howard Grade (new 2011)</b>							
pumps						\$160,000	\$160,000
dredging						\$200,000	\$200,000
<b>Huron Estates</b>							
Pumps/Diesel					\$40,000	\$100,000	\$140,000
<b>Janette/Charl</b>							
Pumps/Diesel					\$40,000	\$60,000	\$100,000
upgrade/refurbish						\$50,000	\$50,000
<b>Jefferson</b>							
Pumps/Diesel		\$50,000					\$50,000
<b>Lakeview/Blue Heron Pond</b>							
Pumps		\$50,000					\$50,000
Dredging						\$400,000	\$400,000
<b>Maplewood</b>							
Pumps/Diesel		\$50,000					\$50,000
MCC upgrade/replacement		\$500,000					\$500,000
<b>Pilette</b>							
pumps	\$50,000						\$50,000
<b>Pontiac</b>							
diesel				\$1,500,000			\$1,500,000

**Project Attachments  
For: 2016**

**Project # ENV-003-08**

**Project Name: Pumping Stations**

<b>Capital Project #7091010</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Provincial (Legacy)</b>							
pumps						\$90,000	\$90,000
clean underground storage				\$80,000			\$80,000
<b>St. Paul</b>							
pumps	\$150,000	\$150,000					\$300,000
diesel						\$1,000,000	\$1,000,000
MCC upgrade/replacement						\$500,000	\$500,000
<b>Walker</b>							
pumps						\$150,000	\$150,000
dredging						\$500,000	\$500,000
<b>Wellington</b>							
diesel / mcc upgrade / replacement						\$500,000	\$500,000
<b>Ypres</b>							
pumps						\$100,000	\$100,000
diesel / mcc						\$500,000	\$500,000
Flow monitoring of interceptors						\$800,000	\$800,000
Miscellaneous	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$2,000,000	\$3,000,000
<b>Total</b>	<b>\$400,000</b>	<b>\$1,200,000</b>	<b>\$200,000</b>	<b>\$2,030,000</b>	<b>\$430,000</b>	<b>\$7,890,000</b>	<b>\$12,150,000</b>

**2016 Anticipated Capital Works:**

**Pillette:** Involves the replacement of pumps due to age and wear. The pumps are 30+ years old and reliability and efficiency will be addressed through this replacement.

**St. Paul:** Involves the repair and / or replacement of some of the pumps due to age and wear. The pumps are 40 years old and reliability and efficiency will be addressed through this replacement.

**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.



# Project Summary

<b>Project #</b>	HCP-005-08	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<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>				<b>Version 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.				Repair of asphalt paving and concrete approaches city wide that are beyond their life expectancy or have become damaged on a priority basis. 2015 to 2016: Repair of deteriorated and critical areas at Huron Lodge, WFCU, 2450 McDougall and Fire Halls - \$228,500 2017 to 2019: Repair of deteriorated and critical areas at Crawford Yard and Fire Halls as needed/funded.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7101016											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	100,000	100,000	0	5410 Construction Contracts - TCA							
2017	100,000	100,000	0		100,000	100,000	100,000	100,000	100,000	0	500,000
2018	100,000	100,000	0	<b>Total :</b>	100,000	100,000	100,000	100,000	100,000	0	500,000
2019	100,000	100,000	0	<b>Revenues</b>							
2020	100,000	100,000	0	169 Pay As You Go - Capital Reserve							
2021+	0	0	0		100,000	100,000	100,000	100,000	100,000	0	500,000
	<b>500,000</b>	<b>500,000</b>	<b>0</b>	<b>Total :</b>	100,000	100,000	100,000	100,000	100,000	0	500,000
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
2008	49,500	49,500	0								
2009	34,000	34,000	0								
2010	30,000	30,000	0								
2015	128,500	128,500	0								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2008	January 01, 2015	Growth:0.0% Maintenance:100.0%		Pierangelo Desimone				Ongoing			





## Project Summary

<b>Project #</b>	REC-004-08	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	The WFCU Centre		
<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	Version Description
<p>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. Storage areas need to be addressed due to the limitation of storage areas within the facility. A storage shed is required to store equipment, staging and chairs. These items are currently being stored in the back house which is crowded and causing a health and safety issue.</p>	<p>According to the Ministry of Labour, an engineering structural report is required for arenas every three years. The Ontario Hockey League (OHL) also requires that this report be completed every five years. Thus, \$30,000 is required to adhere with Ministry of Labour and OHL standards every three years to maintain our compliance.</p> <p>This facility is highly used by the City and other tenants such as Ovations, Seniors Group, Windsor Spitfires, Windsor Express and Global Spectrum.</p> <p>2016</p> <ul style="list-style-type: none"> <li>- \$100,000 Main Bowl sound system upgrade</li> <li>- \$135,000 Gym floor</li> <li>- \$ 80,000 Floor Drain (washrooms and main bowl),</li> <li>- \$ 25,000 Hand Blowers for Community Centre washrooms</li> </ul> <p>2017</p> <ul style="list-style-type: none"> <li>- \$400,000 complete security upgrade/outfitting and janitorial equipment. In 2009, some cameras and card access were installed.</li> <li>- \$30,000 Structural Report</li> </ul> <p>2019</p> <ul style="list-style-type: none"> <li>- \$200,000 Floor Drain (zamboni), Storage Shed, Storage Area for Leisure Gym and Retrofit Community Rink Lighting.</li> </ul> <p>2020</p> <ul style="list-style-type: none"> <li>- \$ 30,000 Structural Report</li> </ul>
Project Comments/Reference	Version Comments
<p>7064900/7141006</p>	



# Project Summary

<b>Project #</b>	REC-004-08	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	The WFCU Centre		
<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 Forecast			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2016	340,000	340,000	0
2017	430,000	430,000	0
2018	0	0	0
2019	200,000	200,000	0
2020	30,000	30,000	0
2021+	640,000	640,000	0
	<b>1,640,000</b>	<b>1,640,000</b>	<b>0</b>

Historical Approved Budget			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2014	26,000	26,000	0

Related Projects	
Project Title	Project Title

Project Detailed Forecast							
GL Account	2016	2017	2018	2019	2020	2021+	Total
<b>Expenses</b>							
5410 Construction Contracts - TCA							
	340,000	430,000	0	200,000	30,000	640,000	1,640,000
Total :	340,000	430,000	0	200,000	30,000	640,000	1,640,000
<b>Revenues</b>							
160 Capital Expenditure Reserve							
	340,000	0	0	200,000	30,000	0	570,000
169 Pay As You Go - Capital Reserve							
	0	430,000	0	0	0	640,000	1,070,000
Total :	340,000	430,000	0	200,000	30,000	640,000	1,640,000

Operating Budget Impact			
Effective Date	Description	Exp/(Rev)	FTE Impact
	No Operating Budget Impact		

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2008	January 02, 2017	Growth:0.0% Maintenance:100.0%	Ray Mensour/Tom Graziano	Ongoing



# Project Summary

<b>Project #</b>	ECP-003-09	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Cabana Road Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	Ward 1, Ward 9		
<b>Version Name</b>	Main (Active)		

<table border="1"> <tr> <th>Project Description</th> </tr> <tr> <td>Improvements on Cabana Rd. are required as a result of traffic growth, development of surrounding neighbourhoods and intensification. The Environmental Study Report was approved in 2008. 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.</td> </tr> </table>	Project Description	Improvements on Cabana Rd. are required as a result of traffic growth, development of surrounding neighbourhoods and intensification. The Environmental Study Report was approved in 2008. 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.	<table border="1"> <tr> <th>Version Description</th> </tr> <tr> <td>Timing of improvements:            2016: Engineering, Land Acquisition and Construction - Howard to Provincial - \$3,612,000            2017: Land Acquisition and Construction (continued) - Howard to Provincial - \$6,468,000            2018: Engineering, Land Acquisition and Construction - Dougall to Howard - \$4,060,000            2019: Engineering, Land Acquisition and Construction - Dominion to Dougall - \$4,014,140            2020: Land Acquisition and Construction (continued) - Dominion to Dougall - \$10,565,860            2021: Engineering, Land Acquisition and Construction - Dominion to Glenwood - \$7,630,000            2022: Engineering, Land Acquisition and Construction - Provincial to Walker - \$3,430,000            2023: Land Acquisition and Construction (continued) - Provincial to Walker - \$3,430,000            Engineering, Land Acquisition and Construction - Glenwood to Huron Church - \$3,150,000            Timing of funding as shown below.</td> </tr> </table>	Version Description	Timing of improvements: 2016: Engineering, Land Acquisition and Construction - Howard to Provincial - \$3,612,000 2017: Land Acquisition and Construction (continued) - Howard to Provincial - \$6,468,000 2018: Engineering, Land Acquisition and Construction - Dougall to Howard - \$4,060,000 2019: Engineering, Land Acquisition and Construction - Dominion to Dougall - \$4,014,140 2020: Land Acquisition and Construction (continued) - Dominion to Dougall - \$10,565,860 2021: Engineering, Land Acquisition and Construction - Dominion to Glenwood - \$7,630,000 2022: Engineering, Land Acquisition and Construction - Provincial to Walker - \$3,430,000 2023: Land Acquisition and Construction (continued) - Provincial to Walker - \$3,430,000 Engineering, Land Acquisition and Construction - Glenwood to Huron Church - \$3,150,000 Timing of funding as shown below.																																																																																																																																																																							
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Improvements on Cabana Rd. are required as a result of traffic growth, development of surrounding neighbourhoods and intensification. The Environmental Study Report was approved in 2008. 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.																																																																																																																																																																												
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Timing of improvements: 2016: Engineering, Land Acquisition and Construction - Howard to Provincial - \$3,612,000 2017: Land Acquisition and Construction (continued) - Howard to Provincial - \$6,468,000 2018: Engineering, Land Acquisition and Construction - Dougall to Howard - \$4,060,000 2019: Engineering, Land Acquisition and Construction - Dominion to Dougall - \$4,014,140 2020: Land Acquisition and Construction (continued) - Dominion to Dougall - \$10,565,860 2021: Engineering, Land Acquisition and Construction - Dominion to Glenwood - \$7,630,000 2022: Engineering, Land Acquisition and Construction - Provincial to Walker - \$3,430,000 2023: Land Acquisition and Construction (continued) - Provincial to Walker - \$3,430,000 Engineering, Land Acquisition and Construction - Glenwood to Huron Church - \$3,150,000 Timing of funding as shown below.																																																																																																																																																																												
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## Project Summary

<b>Project #</b>	ECP-003-09	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Cabana Road Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	Ward 1, Ward 9		
<b>Version Name</b>	Main (Active)		

Follows	Project Title	Effective Date	Description	Exp/(Rev)	FTE Impact
ECP-027-07	Lennon Drain Improvements	Unknown	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.	0	0

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2009	January 01, 2015	Growth:50.0% Maintenance:50.0%	Jane He	Ongoing



# Project Summary

<b>Project #</b>	ECP-004-09	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Stormwater and Sanitary Master Plans		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>								
<p>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.</p>				<p>2018: Drainage area sewer studies as prioritized by Sewer Master Plans - \$250k          2019: Drainage area sewer studies as prioritized by Sewer Master Plans - \$250k          2020: Drainage area sewer studies as prioritized by Sewer Master Plans - \$250k          2021+: Drainage area sewer studies as prioritized by Sewer Master Plans - \$250k</p>								
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
7124000				As per CR76/2013, R#16492, Council pre-committed \$500,000 in 2014 and \$341,000 in 2015 for flow monitoring, data collection and hydraulic modelling.								
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>		<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	0	0	0	2951 INTERNAL Service Salary Allocn								
2017	0	0	0			0	0	250,000	250,000	250,000	250,000	1,000,000
2018	250,000	250,000	0									
2019	250,000	250,000	0									
2020	250,000	250,000	0									
2021+	250,000	250,000	0									
	<b>1,000,000</b>	<b>1,000,000</b>	<b>0</b>	<b>Revenues</b>								
				028 Sewer Surcharge		0	0	250,000	250,000	250,000	250,000	1,000,000
						<b>Total :</b>	<b>0</b>	<b>0</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>1,000,000</b>
<b>Historical Approved Budget</b>												
		<b>Revenue</b>										
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>									
2012	250,000	250,000	0									
2013	200,000	200,000	0									
2014	500,000	500,000	0									
2015	700,000	700,000	0									
<b>Related Projects</b>				<b>Operating Budget Impact</b>								
<b>Project Title</b>				<b>Effective Date</b>		<b>Description</b>		<b>Exp/(Rev)</b>		<b>FTE Impact</b>		
						No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>				
2009	January 01, 2015	Growth: Maintenance:		Anna Godo				2021+				



# Project Summary

<b>Project #</b>	ECP-013-09	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Development, Projects & Right of Way
<b>Title</b>	La Bella Strada		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	Ward 3		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
CR339/2010 approved the Erie Street BIA Streetscaping - La Bella Strada project. Phase 1A - Howard to Pierre was completed in 2011. Phase 1B - Erie from McDougall to Howard and Pierre to Lincoln.				2021+: Phase 1B - Erie Street - McDougall/Howard and Pierre/Lincoln - \$2,200,000 (net City cost)							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7109001 Closed											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	2951 INTERNAL Service Salary Allocn						280,000	280,000
2017	0	0	0		0	0	0	0	0		
2018	0	0	0	5410 Construction Contracts - TCA							
2019	0	0	0		0	0	0	0	0	2,320,000	2,320,000
2020	0	0	0		0	0	0	0	0		
2021+	2,600,000	2,200,000	400,000	<b>Total :</b>	0	0	0	0	0	2,600,000	2,600,000
	<b>2,600,000</b>	<b>2,200,000</b>	<b>400,000</b>	<b>Revenues</b>							
<b>Historical Approved Budget</b>				176 Federal Gas Tax Rebate							
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	6735 Recovery Of Expenses EXTERNAL						400,000	400,000
2011	692,634	692,634	0		0	0	0	0	0	2,600,000	2,600,000
				<b>Total :</b>	0	0	0	0	0	2,600,000	2,600,000
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
				No Operating Budget Impact							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2009	January 01, 2020	Growth: Maintenance:		France Isabelle-Tunks				2021+			



# Project Summary

<b>Project #</b>	HCP-002-09	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Fire Hall Capital 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)		

<b>Project Description</b>				<b>Version Description</b>																																																																																																																	
<p>This project is used for all Fire Hall capital repairs that are prioritized annually by Facilities in consultation with Fire. Fire &amp; Rescue facilities are unique in that they serve an emergency response function, with staff living in them and operate 24 hours a day. With the exception of the construction of the new Fire Hall 7 completed in 2012, and Fire Halls 2, completed in 2015 and 5 which is still to be constructed, the average age of the Fire &amp; Rescue facilities is 27 years and many of the building components are past their life expectancy. These facilities are experiencing greater capital investment needs to maintain, repair or replace aging components.</p>				<p>Recommended funds required to repair the Fire Halls that are not being replaced:            2016:            \$30,000 Replacement of kitchen cabinets and repair of walls – Fire Hall #3            \$10,000 Electrical efficiencies (add electrical receptacles at all Fire Halls to eliminate the extensive use of extension cords)            \$19,500 Miscellaneous exterior repairs            2017:            \$30,000 Duct cleaning (deferred maintenance) at all Fire Halls            \$30,000 Steel doors and frames (replace rusted doors and frames \$3,000/door x 10 doors)            \$40,000 Flooring            Each of the future years to have annual allocation of \$150,000 each for repairs/replacements as per needs arise/funds available.</p>																																																																																																																	
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2009	January 02, 2016	Growth:0.0% Maintenance:100.0%		Tom Graziano				Ongoing																																																																																																													



# Project Summary

<b>Project #</b>	ECP-001-10	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Upper Little River Storm Water Facilities (Sandwich South Employment Lands)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>	Ward 9		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>																																																																																																																	
<p>To provide storm water drainage outlet and regional storm water management facilities for the Sandwich South Employment Lands. Upper Little River Storm Water Study was initiated to develop a plan for the provision, protection, enhancement and restoration of the drainage system. To be constructed in phases.</p> <p>Note: Project estimate includes cost for land acquisitions.</p>				<p>2018: Engineering - \$300k 2021+: Phased Engineering, Land Acquisition and Construction - \$185m</p>																																																																																																																	
<b>Project Comments/Reference</b>				<b>Version Comments</b>																																																																																																																	
7155000				Approval of the hospital project may require an acceleration of funding to accommodate the City's connection and drains.																																																																																																																	
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2010	January 01, 2018	Growth: Maintenance:		Anna Godo				2021 & Beyond																																																																																																													





# Project Summary

<b>Project #</b>	ECP-002-10	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Banwell Road Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	Ward 7, Ward 9		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
The draft Environmental Study Report contains recommendations on construction phasing for improvements to Banwell Road. The limits of the study are from Tecumseh Rd. E. to the City Limits (Canadian Pacific Railway). This project includes a new grade separation at E.C. Row Expressway.				2020: Design Banwell/E.C. Row Interchange - \$1m 2021+: Interchange Construction Phase II - Overpass - \$31.9m Phased Construction - \$47.5m							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0								
2018	0	0	0								
2019	0	0	0								
2020	1,000,000	1,000,000	0								
2021+	79,400,000	79,400,000	0								
	<b>80,400,000</b>	<b>80,400,000</b>	<b>0</b>								
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		169 Pay As You Go - Capital Reserve							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Precedes</b>	<b>Project Title</b>			<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
ECP-009-07	Citywide Intersection/Roadway Improvements				No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2010	January 01, 2016	Growth: Maintenance:		Anna Godo				2021 & Beyond			



# Project Summary

<b>Project #</b>	ECP-005-10	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Local Improvement Program - Road Rehabilitation		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
This program relates to roads having a rural cross-section that are in need of pavement rehabilitation and that do not require sewer rehabilitation. This funding is to be used to finance the construction of curbing and boulevard restoration, while the pavement rehabilitation will be funded through the City-Wide Road Rehabilitation Program.				Proposed Local Improvement Petitions: Tourangeau - Grand Marais to Plymouth Radisson - West Grand to Norfolk Woodlawn - West Grand to Norfolk							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7111012											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<b>Expenses</b>							
2016	200,000	200,000	0	5410 Construction Contracts - TCA							
2017	0	0	0								
2018	0	0	0								
2019	250,000	250,000	0								
2020	200,000	200,000	0								
2021+	0	0	0								
	<b>650,000</b>	<b>650,000</b>	<b>0</b>								
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		169 Pay As You Go - Capital Reserve							
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>								
2011	300,000	300,000	0								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
				Unknown	The streets listed above all require high maintenance. Any delay in funding will require temporary asphalt repairs out of the operating budget.				0	0	
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2010	January 01, 2016	Growth:100.0% Maintenance:0.0%		Wes Hicks/Wade Bondy				Ongoing			



# Project Summary

<b>Project #</b>	ENV-008-10	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Pollution Control
<b>Title</b>	Southwood Lakes Shoreline Restoration		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>	Ward 1		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
The shoreline protection is failing and requires repair/replacement. Funds are necessary to carry out the replacement/repair of the shore of the storm water management ponds.				2016-2019: Shoreline Restoration – Grande, Laguna and Wolfe – Project involves restoration of shoreline due to deterioration.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7102003											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	600,000	600,000	0	5410 Construction Contracts - TCA							
2017	600,000	600,000	0								
2018	400,000	400,000	0								
2019	500,000	500,000	0								
2020	0	0	0								
2021+	1,500,000	1,500,000	0								
	<b>3,600,000</b>	<b>3,600,000</b>	<b>0</b>								
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		133 Pumping Stations							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
2010	90,000	90,000	0								
2011	90,000	90,000	0								
2014	300,000	300,000	0								
2015	200,000	200,000	0								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
				No Operating Budget Impact							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2010	January 01, 2015	Growth:0.0% Maintenance:100.0%		John Guidolin				2022			



## Project Summary

<b>Project #</b>	HCP-001-10	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Corporate Facility Backflow Prevention 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>				<b>Version Description</b>								
<p>Backflow prevention devices are used on water supply systems to prevent contaminants from being drawn back into the municipal water supply. They are required to be installed at the main supply entrance to the building and at the end of stream points such as taps and hose bibs. The issue of backflow prevention is a serious health &amp; safety concern and for that reason it is addressed by the Ontario Building Code and the EnWin Utilities Cross Control By-law. The City of Windsor is currently in contravention of these regulations at many city owned facilities, and is in receipt of corrective orders from EnWin Utilities. Tender 128-08 was issued to begin the corrective measures of the backflow prevention program. Regulations dictate that backflow devices must be tested yearly and repaired as required. Defective devices will not perform their required function.</p>				<p>Initially funded with \$70k in 2003, it is necessary that the program continues on an ongoing basis so that (i) potential health and safety threats to the municipal water supply system are eliminated and (ii) the city remains in compliance with applicable regulations. Installation of devices that require protection can be prioritized based on their potential to contaminate the water supply system and then completed over a multiyear period. Tender 128-08 was issued to begin the corrective measures of the back flow prevention program.</p> <p>There are still a significant number of devices that have not been tested and/or replaced. Of the devices that remain, priority will be given to those that pose the greatest risk in terms of water contamination. On an ongoing basis, these devices will require yearly inspection and maintenance and/or replacement as dictated by regulations. Funding is available in this program which should cover works through 2016.</p>								
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
7031134												
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	0	0	0	5410 Construction Contracts - TCA								
2017	100,000	100,000	0		0	100,000	0	0	200,000	100,000	400,000	
2018	0	0	0									
2019	0	0	0									
2020	200,000	200,000	0									
2021+	100,000	100,000	0									
	<b>400,000</b>	<b>400,000</b>	<b>0</b>	<b>Revenues</b>								
				169 Pay As You Go - Capital Reserve								
					0	100,000	0	0	200,000	100,000	400,000	
					<b>Total :</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>200,000</b>	<b>100,000</b>	<b>400,000</b>
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>								
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>		
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>									
2010	100,000	100,000	0	No Operating Budget Impact								
2013	100,000	100,000	0									
2014	100,000	100,000	0									
<b>Related Projects</b>												
<b>Project Title</b>												
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>				
2010	January 01, 2016	Growth: Maintenance:		Tom Graziano				Ongoing				



# Project Summary

<b>Project #</b>	EDG-001-11	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Lauzon Parkway - County Rd. 42 - East/West Arterial		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	Ward 9		
<b>Version Name</b>	Main (Active)		

<table border="1"> <tr> <th>Project Description</th> </tr> <tr> <td>The Lauzon Parkway Environmental Assessment (EA) is now complete. The EA includes: Lauzon Pkwy - E.C. Row to Hwy. 3 County Rd. 42 - Walker Rd. to eastern City limits East/West arterial - Walker Rd. to County Rd. 17</td> </tr> </table>	Project Description	The Lauzon Parkway Environmental Assessment (EA) is now complete. The EA includes: Lauzon Pkwy - E.C. Row to Hwy. 3 County Rd. 42 - Walker Rd. to eastern City limits East/West arterial - Walker Rd. to County Rd. 17	<table border="1"> <tr> <th>Version Description</th> </tr> <tr> <td>2021+: County Road 42 phased engineering and construction - \$70.0m Lauzon Parkway phased engineering and construction - \$160.0m East/West Arterial phased construction - \$40.0m</td> </tr> </table>	Version Description	2021+: County Road 42 phased engineering and construction - \$70.0m Lauzon Parkway phased engineering and construction - \$160.0m East/West Arterial phased construction - \$40.0m																																																																																																																	
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	Total :	0	0	0	0	0	270,000,000	270,000,000																																																																																																														
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## Project Summary

<b>Project #</b>	EDG-001-11	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Lauzon Parkway - County Rd. 42 - East/West Arterial		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	Ward 9		
<b>Version Name</b>	Main (Active)		

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2011	January 01, 2019	Growth: Maintenance:	Anna Godo	2021+



# Project Summary

<b>Project #</b>	EIT-001-11	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Local Improvement - Street Lighting		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>								
This program relates to streets that currently don't have street lights or are requesting upgrades to the existing streetlights. Costs for streetlights shall be assessed per CR982/82 and CR1607/89.												
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
7161015												
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	100,000	100,000	0	5410 Construction Contracts - TCA								
2017	0	0	0		100,000	0	0	100,000	0	700,000	900,000	
2018	0	0	0									
2019	100,000	100,000	0									
2020	0	0	0									
2021+	700,000	700,000	0									
	<b>900,000</b>	<b>900,000</b>	<b>0</b>	<b>Revenues</b>								
				169 Pay As You Go - Capital Reserve								
					100,000	0	0	100,000	0	700,000	900,000	
					<b>Total :</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>700,000</b>	<b>900,000</b>
<b>Historical Approved Budget</b>												
		<b>Revenue</b>										
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>									
<b>Related Projects</b>				<b>Operating Budget Impact</b>								
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
				No Operating Budget Impact								
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>				
2011	January 01, 2016	Growth:100.0% Maintenance:0.0%		Tiffany Pocock				Ongoing				



# Project Summary

<b>Project #</b>	ENV-001-11	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Pollution Control
<b>Title</b>	Bio-solids Disposal Strategies		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
A consultant is required to investigate the various technologies pertaining to bio-solids reduction, harnessing of bio-gas and disposal of bio-solids. This investigation of potential new technologies is vital given Prism Berlie's contract with the City of Windsor is set to expire in 2018 and Prism Berlie is already at capacity with current production. The expected timeline involving research, planning and implementation of a recommended solution from a consultant is approximately 5-7 years.											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7161018											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>								
2016	300,000	300,000	0								
2017	0	0	0								
2018	0	0	0								
2019	0	0	0								
2020	0	0	0								
2021+	0	0	0								
	<b>300,000</b>	<b>300,000</b>	<b>0</b>								
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
Project Title				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
				No Operating Budget Impact							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2011	January 01, 2016	Growth:100.0% Maintenance:0.0%		Chris Manzon				2016+			





# Project Summary

<b>Project #</b>	PFO-003-11	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Designated Substance Remediation		
<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>							
<p>This program will fund the expenses incurred when Designated Substances, as defined in Ontario Regulation 490/90 of the OH&amp;S Act, are encountered and required to be properly managed in municipal buildings.</p> <p>These substances are sometimes encountered unexpectedly during renovation projects or are discovered through a targeted investigation.</p>											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7001225- This capital project replaces The Asbestos Abatement Program.											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	100,000	100,000	0		0	100,000	100,000	100,000	0	0	300,000
2018	100,000	100,000	0								
2019	100,000	100,000	0								
2020	0	0	0								
2021+	0	0	0								
	<b>300,000</b>	<b>300,000</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>300,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		160 Capital Expenditure Reserve							
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>		0	100,000	100,000	100,000	0	0	300,000
				<b>Total :</b>	<b>0</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>300,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
				Unknown	If the remediation required exceeds currently available funds, the impact on the operating budget will be significant.				0	0	
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2011	January 01, 2016	Growth: Maintenance:		Derek Thachuk				Ongoing			



## Project Summary

<b>Project #</b>	PFO-009-11	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<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>			
<b>Version Name</b>	Main (Active)		

<p><b>Project Description</b></p> <p>To implement a proactive mechanism to allow heating and cooling system replacement to be planned for within the capital budget.</p> <p>Annual funding of \$100,000 is being requested to prevent heating and cooling system failures from impeding the services provided by City of Windsor facilities and to reduce the occurrences of Health and Safety driven repairs as a result of Heating and Air Handler losses.</p>	<p><b>Version Description</b></p> <p>This project will provide preventative maintenance on all city heating and cooling units to prevent system failures and extend their useful life. An annual budget of \$100,000 requested to cover material costs for regular and unforeseen maintenance that may arise in the year. Specific work identified at this time is as follows:  2016:  \$40,000 for 2450 McDougall Ave. Parks Admin. Office  \$125,000 makeup air unit and related electrical for Huron Lodge is identified as an immediate need for 2016. The unit is sized too small from the time in which it was originally installed. We are using city water supply throughout the summer months to cool the unit down so that it will remain in operation. There are numerous service calls required on the unit as it continues to break down. We have replaced 3 fan motors in 8 years (normally one fan motor is 10 – 15 years). When this unit is down the back of the house which must be a secured locked area, unlocks due to the air balance and doors cannot be secured leaving residents and Huron lodge at risk.  2017 - \$90,000 for Fire Hall #4  2018 - \$350,000 for Huron Lodge's other HVAC units within the next 5 years  2019 - \$400,000 for boiler at Central Library and HVAC fans on three floors (transferred from WPL-002-14)</p>																																																																																																																										
<p><b>Project Comments/Reference</b></p> <p>7121006 closed/ 7142000</p>	<p><b>Version Comments</b></p>																																																																																																																										
<p><b>Project Forecast</b></p> <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>2016</td><td>205,000</td><td>205,000</td><td>0</td></tr> <tr><td>2017</td><td>190,000</td><td>190,000</td><td>0</td></tr> <tr><td>2018</td><td>450,000</td><td>450,000</td><td>0</td></tr> <tr><td>2019</td><td>500,000</td><td>500,000</td><td>0</td></tr> <tr><td>2020</td><td>500,000</td><td>500,000</td><td>0</td></tr> <tr><td>2021+</td><td>960,000</td><td>960,000</td><td>0</td></tr> <tr><td><b>Total</b></td><td><b>2,805,000</b></td><td><b>2,805,000</b></td><td><b>0</b></td></tr> </tbody> </table>	Year	Total Expense	Revenue		Net City Cost	Subsidies	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+	960,000	960,000	0	<b>Total</b>	<b>2,805,000</b>	<b>2,805,000</b>	<b>0</b>	<p><b>Project Detailed Forecast</b></p> <table border="1"> <thead> <tr> <th>GL Account</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021+</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td colspan="8"><b>Expenses</b></td> </tr> <tr> <td>5410 Construction Contracts - TCA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>205,000</td> <td>190,000</td> <td>450,000</td> <td>500,000</td> <td>500,000</td> <td>960,000</td> <td>2,805,000</td> </tr> <tr> <td><b>Total :</b></td> <td><b>205,000</b></td> <td><b>190,000</b></td> <td><b>450,000</b></td> <td><b>500,000</b></td> <td><b>500,000</b></td> <td><b>960,000</b></td> <td><b>2,805,000</b></td> </tr> <tr> <td colspan="8"><b>Revenues</b></td> </tr> <tr> <td>160 Capital Expenditure Reserve</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>10,000</td> <td>0</td> <td>0</td> <td>0</td> <td>500,000</td> <td>0</td> <td>510,000</td> </tr> <tr> <td>169 Pay As You Go - Capital Reserve</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>195,000</td> <td>190,000</td> <td>450,000</td> <td>500,000</td> <td>0</td> <td>960,000</td> <td>2,295,000</td> </tr> <tr> <td><b>Total :</b></td> <td><b>205,000</b></td> <td><b>190,000</b></td> <td><b>450,000</b></td> <td><b>500,000</b></td> <td><b>500,000</b></td> <td><b>960,000</b></td> <td><b>2,805,000</b></td> </tr> </tbody> </table>	GL Account	2016	2017	2018	2019	2020	2021+	Total	<b>Expenses</b>								5410 Construction Contracts - TCA									205,000	190,000	450,000	500,000	500,000	960,000	2,805,000	<b>Total :</b>	<b>205,000</b>	<b>190,000</b>	<b>450,000</b>	<b>500,000</b>	<b>500,000</b>	<b>960,000</b>	<b>2,805,000</b>	<b>Revenues</b>								160 Capital Expenditure Reserve									10,000	0	0	0	500,000	0	510,000	169 Pay As You Go - Capital Reserve									195,000	190,000	450,000	500,000	0	960,000	2,295,000	<b>Total :</b>	<b>205,000</b>	<b>190,000</b>	<b>450,000</b>	<b>500,000</b>	<b>500,000</b>	<b>960,000</b>	<b>2,805,000</b>
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# Project Summary

<b>Project #</b>	PFO-009-11	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<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>			
<b>Version Name</b>	Main (Active)		

Related Projects			Operating Budget Impact		
Project Title	Effective Date	Description	Exp/(Rev)	FTE Impact	
		No Operating Budget Impact			

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2011	January 01, 2015	Growth:0.0% Maintenance:100.0%	Mike Welsh	Ongoing



## Project Summary

<b>Project #</b>	PFO-010-11	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Flooring and Finishes Replacement 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>				<b>Version 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.				Funding is required to replace damaged and aged carpets and floor finishes that are beyond their life expectancy at various municipally owned facilities. An annual budget of \$100,000 will be used on a priority basis. Specific work currently identified will help prevent possible trip hazards by replacing and repairing deteriorated flooring. In 2019, the additional funds over and above the annual \$100,000 budget, will be used for flooring at libraries previously approved under WPL-010-11.																																																																															
<b>Project Comments/Reference</b>				<b>Version Comments</b>																																																																															
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2011	January 01, 2015	Growth:0.0% Maintenance:100.0%		Tom Graziano				2019 and Beyond																																																																											



# Project Summary

<b>Project #</b>	ENG-002-12	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Local Improvement Program - Sidewalks		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>								
This program relates to roads which do not currently have sidewalks. This funding is to be used to finance the construction of sidewalks, of which a portion will be recovered as per CR1215/85.				Proposed Works: Electricity Drive								
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	0	0	0	5410 Construction Contracts - TCA								
2017	0	0	0		0	0	0	50,000	0	200,000	250,000	
2018	0	0	0									
2019	50,000	50,000	0									
2020	0	0	0									
2021+	200,000	200,000	0									
	<b>250,000</b>	<b>250,000</b>	<b>0</b>	<b>Revenues</b>								
				169 Pay As You Go - Capital Reserve								
					0	0	0	50,000	0	200,000	250,000	
					<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>200,000</b>	<b>250,000</b>
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>								
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>									
				No Operating Budget Impact								
<b>Related Projects</b>												
		<b>Revenue</b>										
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>				
2012	January 01, 2019	Growth: Maintenance:		Wes Hicks				2021+				



# Project Summary

<b>Project #</b>	ENG-010-15	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Art Gallery Acquisition		
<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>				<b>Version Description</b>							
<p>As per CR282/2012, Report #16252, Council approved the purchase of the Art Gallery along with capital improvements as a pre-commitment to the 2013 5-year Capital Plan. Funds have been allocated in 2016 from the Debt Reduction Levy allotment.</p> <p>Purchase Agreement Cost: \$2,500,000          Closing Legal Cost: \$74,975          Misc. Capital Cost: \$551,000          CR234/2013, Report #16844 pre-commits \$405,000 in capital costs out of this project for Museum Development REC-001-14.</p>											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7119006											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<b>Expenses</b>							
2016	3,333,000	3,333,000	0	5410 Construction Contracts - TCA							
2017	0	0	0		3,333,000	0	0	0	0	0	3,333,000
2018	0	0	0		Total : 3,333,000	0	0	0	0	0	3,333,000
2019	0	0	0	<b>Revenues</b>							
2020	0	0	0	169 Pay As You Go - Capital Reserve	3,333,000	0	0	0	0	0	3,333,000
2021+	0	0	0		Total : 3,333,000	0	0	0	0	0	3,333,000
	<b>3,333,000</b>	<b>3,333,000</b>	<b>0</b>								
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2012	January 01, 2013	Growth:100.0% Maintenance:0.0%		Tom Graziano				2016			



## Project Summary

<b>Project #</b>	HCP-010-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Willistead Complex Capital Improvements		
<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	Version Description
<p>The expenditures identified are capital in nature designed to maintain the operational integrity of this heritage complex. These necessary improvements are aligned with the recommendation resulting from a 2003 study initiated by the City of Windsor and contained in a published document authored by the Architect George Robb "A Condition Assessment Strategy for Repairs and Maintenance of Heritage Properties".</p>	<p>As per M264-2012, Report #15604, improvements at Willistead in the amount of \$150,000 per year for ten years, commencing in 2012, be funded from the 2016 (\$750,000) and 2017 (\$750,000) Debt Reduction Levy.</p> <p>2016: \$750,000            Consulting (\$90,000)            Construction (\$495,000)            Project Management (\$110,000)            Contingency (\$55,000)            Includes: window restoration for manor house, coach house &amp; gate house; roof repair in specific areas; resolve basement leaks; exterior wood repair &amp; paint; HVAC work; electrical work</p> <p>2017: \$750,000            Consulting (\$10,000)            Construction (\$640,000)            Project Management (\$50,000)            Contingency (\$50,000)            Includes: (continued) window restoration</p>
Project Comments/Reference	Version Comments
<p>7062048 closed/7125002</p>	



# Project Summary

<b>Project #</b>	HCP-010-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Willistead Complex Capital Improvements		
<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 Forecast			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2016	750,000	750,000	0
2017	750,000	750,000	0
2018	0	0	0
2019	0	0	0
2020	0	0	0
2021+	0	0	0
	<b>1,500,000</b>	<b>1,500,000</b>	<b>0</b>

Historical Approved Budget			
Year	Total Expense	Revenue	
		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

Related Projects	
Project Title	

Project Detailed Forecast							
GL Account	2016	2017	2018	2019	2020	2021+	Total
<b>Expenses</b>							
5410 Construction Contracts - TCA							
	750,000	750,000	0	0	0	0	1,500,000
Total :	750,000	750,000	0	0	0	0	1,500,000
<b>Revenues</b>							
169 Pay As You Go - Capital Reserve							
	750,000	750,000	0	0	0	0	1,500,000
Total :	750,000	750,000	0	0	0	0	1,500,000

Operating Budget Impact			
Effective Date	Description	Exp/(Rev)	FTE Impact
	No Operating Budget Impact		

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2012	January 01, 2012	Growth:0.0% Maintenance:100.0%	Jan Wilson/Tom Graziano	Ongoing





## Project Summary

<b>Project #</b>	PFO-001-12	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Corporate Security Infrastructure Program		
<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	Version Description
<p>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, mag locks, door hardware and exterior lighting. This program would fund the necessary modifications, expansions and upgrades to existing systems, as well as the funding to install new infrastructure, as required, where none has previously existed.</p> <p>The City of Windsor's current security infrastructure is aging and in need of an upgrade. Currently there is a disconnect between the security infrastructure in the downtown core and the majority of the other Corporate facilities.</p>	<p>The objective of this project is to establish a controllable corporate card access program and standardized locking system. Currently many buildings within the Corporation have lost track of keys, and consequently their site security. Facility Operations is recommending that the Corporation implement a standard card access system which cannot be duplicated and is controlled. This will greatly enhance corporate security at a relatively low cost. Many of the existing corporate security CCTV and card access systems are outdated (or nonexistent); it is recommended that the Corporation standardize and upgrade and/or update the existing equipment over the next 3-5 years. This would allow the Corporation to phase in these updates/changes to corporate security proactively and reduce corporate exposure. Standardize and update where required corporate reception desks, exterior physical barriers and lighting to deter and safeguard City staff and the public within and around City facilities. \$50,000 per year is required to maintain the security systems currently in place at all of the City facilities. There is an immediate need to upgrade cameras and card readers at certain facilities, due to theft. To rectify this, an estimated \$100,000 in 2016 is being requested. Security has become a critical issue at WPL and the need for surveillance cameras are a priority. The Central Library has security cameras, all other locations do not. Beginning in 2017 with the renovation of Budimir and Sandwich, the WPL board has proposed installing surveillance cameras in all locations however is subject to overall corporate priorities. Each camera costs \$1,500 plus installation costs, which vary depending on the cabling and electrical needs of each location. All branches will have surveillance cameras by 2020. The cost of the project is \$55,000. Sandwich and Budimir branches will be included in with the enhanced capital plan.</p>
Project Comments/Reference	Version Comments
<p>7053035 - This capital account replaces both Corporate Wide Security Systems and Security Infrastructure Improvements.</p>	<p>2016:            \$15,000 - East &amp; West Parks Yards addition of video surveillance            \$30,000 - Crawford Yard video surveillance system upgrades            \$25,000 - South Windsor Arena security upgrades            \$15,000 - Willistead card access, video surveillance and intrusion alarm upgrades            \$15,000 - Consulting and project management</p> <p>2017:            \$40,000 - Libraries video surveillance system upgrades            \$5,000 - Consulting and project management</p>



# Project Summary

<b>Project #</b>	PFO-001-12	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Corporate Security Infrastructure Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

Project Forecast			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2016	100,000	100,000	0
2017	50,000	50,000	0
2018	50,000	50,000	0
2019	50,000	50,000	0
2020	50,000	50,000	0
2021+	305,000	305,000	0
	<b>605,000</b>	<b>605,000</b>	<b>0</b>

Historical Approved Budget			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2012	50,000	50,000	0
2013	50,000	50,000	0
2014	106,500	106,500	0
2015	100,000	100,000	0

Related Projects	
Project Title	

Project Detailed Forecast							
GL Account	2016	2017	2018	2019	2020	2021+	Total
<b>Expenses</b>							
5410 Construction Contracts - TCA							
	100,000	50,000	50,000	50,000	50,000	305,000	605,000
Total :	100,000	50,000	50,000	50,000	50,000	305,000	605,000
<b>Revenues</b>							
169 Pay As You Go - Capital Reserve							
	100,000	50,000	50,000	50,000	50,000	305,000	605,000
Total :	100,000	50,000	50,000	50,000	50,000	305,000	605,000

Operating Budget Impact			
Effective Date	Description	Exp/(Rev)	FTE Impact
	No Operating Budget Impact		

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2012	January 01, 2015	Growth:100.0% Maintenance:0.0%	Derek Thachuk	Ongoing



# Project Summary

<b>Project #</b>	PFO-002-12	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Corporate Facility Maintenance Program		
<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>							
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.				2018+: Annual allocation of \$50,000 to proceed with repairs on an as needed, as funded basis.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7151017											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0								
2018	50,000	50,000	0								
2019	100,000	100,000	0								
2020	50,000	50,000	0								
2021+	50,000	50,000	0								
	<b>250,000</b>	<b>250,000</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>100,000</b>	<b>50,000</b>	<b>50,000</b>	<b>250,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		169 Pay As You Go - Capital Reserve							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
2015	75,000	75,000	0								
				<b>Total :</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>100,000</b>	<b>50,000</b>	<b>50,000</b>	<b>250,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2012	January 01, 2015	Growth: Maintenance:		Tom Marentette/ Tom Graziano				Ongoing			



## Project Summary

<b>Project #</b>	PFO-004-12	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Municipal Facilities Building Condition Assessments		
<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>							
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.				Building condition assessment work will be ongoing. Funding from 2019-2021 will accumulate in order to perform the next phase of building condition assessments. This work will include building condition assessments of additional buildings and re-testing/re-inspecting as required.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7141021											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	0	50,000	50,000	50,000	150,000
2018	0	0	0	Total :	0	0	0	50,000	50,000	50,000	150,000
2019	50,000	50,000	0	<b>Revenues</b>							
2020	50,000	50,000	0	169 Pay As You Go - Capital Reserve							
2021+	50,000	50,000	0		0	0	0	50,000	50,000	50,000	150,000
	<b>150,000</b>	<b>150,000</b>	<b>0</b>	Total :	0	0	0	50,000	50,000	50,000	150,000
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
2014	300,000	0	300,000								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
Project Title				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
				No Operating Budget Impact							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2012	January 01, 2019	Growth: Maintenance:		Tom Graziano				2020+			



# Project Summary

<b>Project #</b>	ECP-001-13	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Development, Projects & Right of Way
<b>Title</b>	New Fire Hall Station #6 & Emergency Operations Centre (EOC)		
<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>																																																																																																																	
<p>CR131/2014, Report #17162 approved \$2,571,933 from Pay-As-You-Go (F169) as a placeholder for Station #8. Funds are obtained by swapping of funding sources due to increased Federal Gas Tax allocation in the new 2014-2018 agreement with Association of Municipalities of Ontario (AMO). Further CR242/2014, R#17376 approved the Implementation Plan - Station #6 relocation and inclusion of the Emergency Operations Centre (EOC) within the facility.</p> <p>Construction is underway.</p>				<p>Overall budget for the construction and design is:            CR131/2014 - \$2,571,936 amounts below 2016-2018 (\$25,872 already allocated in both 2014 and 2015)            CR242/2014 - Pre-Commitment to 2015 5-year plan Capital budget - \$2,448,064 funded by Debt Reduction Levy (DRL) for 2019            B38-2013, 2014 Approved Capital Budget Enhanced Plan for the design and construction of the EOC - \$1,500,000</p> <p>TOTAL of \$6,520,000.</p>																																																																																																																	
<b>Project Comments/Reference</b>				<b>Version Comments</b>																																																																																																																	
7145007																																																																																																																					
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<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>2016</td><td>636,516</td><td>636,516</td><td>0</td></tr> <tr><td>2017</td><td>636,516</td><td>636,516</td><td>0</td></tr> <tr><td>2018</td><td>1,247,160</td><td>1,247,160</td><td>0</td></tr> <tr><td>2019</td><td>2,448,064</td><td>2,448,064</td><td>0</td></tr> <tr><td>2020</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2021+</td><td>0</td><td>0</td><td>0</td></tr> <tr><td><b>Total</b></td><td><b>4,968,256</b></td><td><b>4,968,256</b></td><td><b>0</b></td></tr> </tbody> </table>				Year	Total Expense	Revenue		Net City Cost	Subsidies	2016	636,516	636,516	0	2017	636,516	636,516	0	2018	1,247,160	1,247,160	0	2019	2,448,064	2,448,064	0	2020	0	0	0	2021+	0	0	0	<b>Total</b>	<b>4,968,256</b>	<b>4,968,256</b>	<b>0</b>	<table border="1"> <thead> <tr> <th>GL Account</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021+</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td colspan="8"><b>Expenses</b></td> </tr> <tr> <td>5410 Construction Contracts - TCA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>636,516</td> <td>636,516</td> <td>1,247,160</td> <td>2,448,064</td> <td>0</td> <td>0</td> <td>4,968,256</td> </tr> <tr> <td><b>Total :</b></td> <td><b>636,516</b></td> <td><b>636,516</b></td> <td><b>1,247,160</b></td> <td><b>2,448,064</b></td> <td><b>0</b></td> <td><b>0</b></td> <td><b>4,968,256</b></td> </tr> <tr> <td colspan="8"><b>Revenues</b></td> </tr> <tr> <td>169 Pay As You Go - Capital Reserve</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>636,516</td> <td>636,516</td> <td>1,247,160</td> <td>2,448,064</td> <td>0</td> <td>0</td> <td>4,968,256</td> </tr> <tr> <td><b>Total :</b></td> <td><b>636,516</b></td> <td><b>636,516</b></td> <td><b>1,247,160</b></td> <td><b>2,448,064</b></td> <td><b>0</b></td> <td><b>0</b></td> <td><b>4,968,256</b></td> </tr> </tbody> </table>								GL Account	2016	2017	2018	2019	2020	2021+	Total	<b>Expenses</b>								5410 Construction Contracts - TCA									636,516	636,516	1,247,160	2,448,064	0	0	4,968,256	<b>Total :</b>	<b>636,516</b>	<b>636,516</b>	<b>1,247,160</b>	<b>2,448,064</b>	<b>0</b>	<b>0</b>	<b>4,968,256</b>	<b>Revenues</b>								169 Pay As You Go - Capital Reserve									636,516	636,516	1,247,160	2,448,064	0	0	4,968,256	<b>Total :</b>	<b>636,516</b>	<b>636,516</b>	<b>1,247,160</b>	<b>2,448,064</b>	<b>0</b>	<b>0</b>	<b>4,968,256</b>
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<b>Total :</b>	<b>636,516</b>	<b>636,516</b>	<b>1,247,160</b>	<b>2,448,064</b>	<b>0</b>	<b>0</b>	<b>4,968,256</b>																																																																																																														
<b>Historical Approved Budget</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>2015</td> <td>25,872</td> <td>25,872</td> <td>0</td> </tr> </tbody> </table>				Year	Total Expense	Revenue		Net City Cost	Subsidies	2015	25,872	25,872	0																																																																																																								
Year	Total Expense	Revenue																																																																																																																			
		Net City Cost	Subsidies																																																																																																																		
2015	25,872	25,872	0																																																																																																																		
<b>Related Projects</b>				<b>Operating Budget Impact</b>																																																																																																																	
Project Title				<table border="1"> <thead> <tr> <th>Effective Date</th> <th>Description</th> <th>Exp/(Rev)</th> <th>FTE Impact</th> </tr> </thead> <tbody> <tr> <td></td> <td>No Operating Budget Impact</td> <td></td> <td></td> </tr> </tbody> </table>								Effective Date	Description	Exp/(Rev)	FTE Impact		No Operating Budget Impact																																																																																																				
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<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>																																																																																																													
2013	January 09, 2015	Growth:100.0% Maintenance:0.0%		Joseph Datillo				2019																																																																																																													



# Project Summary

<b>Project #</b>	ENG-001-13	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Little River Steel Retaining Walls		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>			
<b>Version Name</b>	Main - Little River Steel Retaining Walls (Active)		

<b>Project Description</b>				<b>Version Description</b>																					
<p>Little River steel retaining walls and earth berms were constructed between Riverside Drive and the Via Tracks in the 1980s to provide flood protection to the immediate flood prone area. The dykes provide vital flood protection for over 2000 homes and the Little River Pollution Control Plant. Condition survey and structural evaluation of the 2.5km system of Little River Steel Retaining Walls was completed in 2012. Sections of the system are near the end of accelerated service life and require immediate rehabilitation. The balance of the system requires rehabilitation in order to extend service life beyond 10 years.</p>				<p>2016: Phase 2 - Wall rehabilitation and protective coating to extend service life - \$500k                  2017: Phase 2 - Wall rehabilitation and protective coating to extend service life - \$1m                  2018: Phase 2 - Wall rehabilitation and protective coating to extend service life - \$500k                  2020: Phased replacement of retaining wall - \$1m                  2021+: Phased replacement of retaining wall - \$19.1m</p> <p>The City has partnered with ERCA in order to obtain Provincial Water and Erosion Control Infrastructure (WECI) funds.</p>																					
<b>Project Comments/Reference</b>				<b>Version Comments</b>																					
7141019																									
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>																					
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>														
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>																					
2016	500,000	500,000	0	5410 Construction Contracts - TCA																					
2017	1,000,000	1,000,000	0	<table border="0" style="width: 100%;"> <tr> <td style="text-align: right;">500,000</td> <td>1,000,000</td> <td>500,000</td> <td>0</td> <td>1,000,000</td> <td>19,100,000</td> <td>22,100,000</td> </tr> <tr> <td colspan="7"><b>Total :</b></td> </tr> </table>								500,000	1,000,000	500,000	0	1,000,000	19,100,000	22,100,000	<b>Total :</b>						
500,000	1,000,000	500,000	0	1,000,000	19,100,000	22,100,000																			
<b>Total :</b>																									
2018	500,000	500,000	0	<b>Revenues</b>																					
2019	0	0	0	028 Sewer Surcharge																					
2020	1,000,000	1,000,000	0	<table border="0" style="width: 100%;"> <tr> <td style="text-align: right;">500,000</td> <td>1,000,000</td> <td>500,000</td> <td>0</td> <td>1,000,000</td> <td>19,100,000</td> <td>22,100,000</td> </tr> <tr> <td colspan="7"><b>Total :</b></td> </tr> </table>								500,000	1,000,000	500,000	0	1,000,000	19,100,000	22,100,000	<b>Total :</b>						
500,000	1,000,000	500,000	0	1,000,000	19,100,000	22,100,000																			
<b>Total :</b>																									
2021+	19,100,000	19,100,000	0																						
	<b>22,100,000</b>	<b>22,100,000</b>	<b>0</b>																						
<b>Historical Approved Budget</b>																									
		<b>Revenue</b>																							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>																						
2014	1,000,000	500,000	500,000																						
<b>Related Projects</b>				<b>Operating Budget Impact</b>																					
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>														
				No Operating Budget Impact																					
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>																	
2013	January 02, 2017	Growth:0.0% Maintenance:100.0%		Anna Godo				2021 and beyond																	



# Project Summary

<b>Project #</b>	ENG-003-13	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Baseline/6th Concession Drain Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
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. Condition of Baseline Road and the municipal drain along it have deteriorated and require emergency repairs and remediation in order to maintain service.				2018: Priority 3 Engineering & Land Acquisition - \$150k 2019: Priority 3 Construction - \$200k 2020: Priority 4 Engineering, Land Acquisition and Construction - \$500k 2021+: Priority 5 Engineering, Land Acquisition and Construction - \$705k							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7131002											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	150,000	200,000	500,000	705,000	1,555,000
2018	150,000	150,000	0	<b>Total :</b>	0	0	150,000	200,000	500,000	705,000	1,555,000
2019	200,000	200,000	0	<b>Revenues</b>							
2020	500,000	500,000	0	028 Sewer Surcharge							
2021+	705,000	705,000	0		0	0	150,000	200,000	500,000	705,000	1,555,000
	<b>1,555,000</b>	<b>1,555,000</b>	<b>0</b>	<b>Total :</b>	0	0	150,000	200,000	500,000	705,000	1,555,000
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
2013	375,000	375,000	0								
2015	400,000	400,000	0								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2013	January 01, 2015	Growth: Maintenance:		Anna Godo				2021 and beyond			



# Project Summary

<b>Project #</b>	ENG-009-15	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Twin Oaks Railway Spur Line to C.S.Wind Facility		
<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>				<b>Version Description</b>							
<p>As per CR11/2013, Report #16312, Council approved the construction of a railway spur line from CPR mainline to the C.S. Wind facility as a pre-commitment to the 2013 - 2017 5-year Capital Plan. Funds have been allocated in the year 2016 from the Debt Reduction Levy allotment.</p> <p>The work associated with this project was substantially completed on October 2, 2014 and has been put on maintenance. It is expected that the work will be assumed in October 2015.</p>											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7101026				Note: Project funding has been identified to come from the Debt Reduction Plan allocation.							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<b>Expenses</b>							
2016	2,275,000	2,275,000	0	5410 Construction Contracts - TCA							
2017	0	0	0		2,275,000	0	0	0	0	0	2,275,000
2018	0	0	0								
2019	0	0	0								
2020	0	0	0								
2021+	0	0	0								
	<b>2,275,000</b>	<b>2,275,000</b>	<b>0</b>								
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		169 Pay As You Go - Capital Reserve							
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>		2,275,000	0	0	0	0	0	2,275,000
					<b>Total : 2,275,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,275,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
				No Operating Budget Impact							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2013	January 01, 2013	Growth:100.0% Maintenance:0.0%		Fahd Mikhael				2016			





# Project Summary

<b>Project #</b>	PFO-003-13	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Art Gallery Capital Costs - 401 Riverside West		
<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>													
Projected capital costs for the ongoing maintenance of the new Art Gallery.				As referenced in Council Report #16252 approved via CR282/2012, the attached schedule outlines the required capital maintenance repairs.													
<b>Project Comments/Reference</b>				<b>Version Comments</b>													
See document attached. 7119006				CR131/2014, Report #17162 approved a new Municipal Funding Agreement for the Gas Tax Funds in the years 2014-2018. As a result additional Gas Tax funds received are allocated to this project freeing up F169 Pay-As-You-Go funds earmarked for Fire Hall #8.													
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>													
		<b>Revenue</b>															
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>						
2016	0	0	0	<b>Expenses</b>													
2017	0	0	0	5410 Construction Contracts - TCA													
2018	1,780,000	1,780,000	0														
2019	125,000	125,000	0														
2020	125,000	125,000	0														
2021+	1,000,000	1,000,000	0														
<b>3,030,000</b>		<b>3,030,000</b>		<b>0</b>													
<b>Historical Approved Budget</b>																	
		<b>Revenue</b>															
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Revenues</b>													
				169 Pay As You Go - Capital Reserve													
				176 Federal Gas Tax Rebate													
<b>Related Projects</b>				<b>Operating Budget Impact</b>													
<b>Precedes</b>	<b>Project Title</b>			<b>Effective Date</b>	<b>Description</b>			<b>Exp/(Rev)</b>	<b>FTE Impact</b>								
REC-001-14	Museum Expansion				No Operating Budget Impact												
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>									
2013	January 01, 2018	Growth: Maintenance:		Tom Grazinao				2020+									

**Project Attachment  
For: 2016**

**Project #: PFO-003-13**

**Project Name: Art Gallery Acquisition/Capital Costs**

<b>Art Gallery of Windsor Capital Maintenance Schedule</b>	
<b>Description of Item</b>	<b>Cost</b>
Building Management System. The building management system is critical to the successful operation of the building. An upgrade is required to change the existing Invesys System to an Andover Building Maintenance System. Cost estimate includes the reuse of existing equipment.	\$85-\$100,000
Gaseous Pollutant Filtrations Systems. Cost of repair or replacement will depend upon a further investigation of the existing HVAC system	\$65 - \$85,000
Humidification System replacement	\$150 - \$200,000
Improved Security (CCTV & Card Access) – to enhance security of the building to municipal standards and to facilitate multiple tenants	\$235 - \$250,000
Installation of Generator and UPS system – not currently in place. Risk of failure of systems in the event of a power outage	\$150-\$250,000
Installation of Water Sensors and controls into the Building Management System	\$35 - \$45,000
Conversion of Lighting to LED within track lighting in the building	\$80 - \$100,000
Replacement of wall curtain – there have been noted deficiencies on the exterior walls which may require caulking.	\$250 - \$300,000
Future Roof Replacement	\$350 - \$450,000
<b>Total</b>	<b>\$1.4 – \$1.78 million</b>



# Project Summary

<b>Project #</b>	ENG-002-14	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Development, Projects & Right of Way
<b>Title</b>	Festival Plaza Retaining Wall		
<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>							
<p>The 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. The current conditions were put in place as a temporary measure due to the poor soil conditions in this area. The temporary design included placing fill material and a means to measure settlement of the fill. The majority of settlement was complete at the end of 2014. Due to funding pressures, it is recommended that this work be scheduled in 2019.</p>				2019: Design and construction of the block retaining wall - \$1,350,000							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	2951 INTERNAL Service Salary Allocn							
2017	0	0	0		0	0	0	130,000	0	0	130,000
2018	0	0	0	5410 Construction Contracts - TCA							
2019	1,350,000	1,350,000	0		0	0	0	1,220,000	0	0	1,220,000
2020	0	0	0								
2021+	0	0	0								
	<b>1,350,000</b>	<b>1,350,000</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,350,000</b>	<b>0</b>	<b>0</b>	<b>1,350,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		169 Pay As You Go - Capital Reserve							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
					0	0	0	1,350,000	0	0	1,350,000
				<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,350,000</b>	<b>0</b>	<b>0</b>	<b>1,350,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
				No Operating Budget Impact							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2014	January 01, 2019	Growth: Maintenance:		France Isabelle-Tunks				2019			



# Project Summary

<b>Project #</b>	ENG-004-14	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	New Sidewalks on Collectors and Arterials		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
This program relates to Collector and Arterial roads which do not currently meet the City policy related to the provision of sidewalks. This funding is to be used to fund the construction of sidewalks on streets that do not meet current policy requirements.											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0								
2018	0	0	0								
2019	200,000	200,000	0								
2020	200,000	200,000	0								
2021+	200,000	200,000	0								
	<b>600,000</b>	<b>600,000</b>	<b>0</b>	<b>Total :</b>	0	0	0	200,000	200,000	200,000	600,000
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		169 Pay As You Go - Capital Reserve							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
				<b>Total :</b>	0	0	0	200,000	200,000	200,000	600,000
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2014	January 01, 2019	Growth: Maintenance:		Wes Hicks				2021+			



# Project Summary

<b>Project #</b>	PFO-001-15	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Huron Lodge - Equipment Replacement		
<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>																																																																																																																	
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.				The anticipated kitchen, cleaning and laundry equipment (including beds) for the five year period 2015 to 2020 are: 2016: Dock leveller \$18,000 2019: Floor Scrubbers (3) \$60,000 2020: Washers (3) and Dryers (4) \$175,000																																																																																																																	
<b>Project Comments/Reference</b>				<b>Version Comments</b>																																																																																																																	
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2014	January 01, 2015	Growth:0.0% Maintenance:100.0%		Tom Marentette				Ongoing																																																																																																													



# Project Summary

<b>Project #</b>	PFO-002-14	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Huron Lodge Facility Improvements		
<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>								
<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>				<p>Consultant report and design to correct leaks into building. Leaks occur regularly, often many times per year. Water damages ceilings and walls. Trapped water has the potential to lead to mould, placing the residents at risk, and the facility in violation of Ministry of Long-Term Care regulations. Damage is continuously being repaired using operating funds, taking away from regular maintenance dollars.</p> <p>Roof repairs of a long term nature are proposed to be undertaken in 2017 under the Corporate Roof Replacement Project HCP-002-07, (based on recommendations of the consultant).</p>								
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
7153006												
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	250,000	250,000	0	5411 Construction Contracts-Non TCA								
2017	250,000	250,000	0		250,000	250,000	0	0	0	0	500,000	
2018	0	0	0	<b>Total :</b>	250,000	250,000	0	0	0	0	500,000	
2019	0	0	0	<b>Revenues</b>								
2020	0	0	0	160 Capital Expenditure Reserve								
2021+	0	0	0		250,000	250,000	0	0	0	0	500,000	
	<b>500,000</b>	<b>500,000</b>	<b>0</b>	<b>Total :</b>	250,000	250,000	0	0	0	0	500,000	
<b>Historical Approved Budget</b>												
		<b>Revenue</b>										
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>									
2015	100,000	100,000	0									
<b>Related Projects</b>				<b>Operating Budget Impact</b>								
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>		
				No Operating Budget Impact								
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>				
2014	January 01, 2015	Growth:0.0% Maintenance:100.0%		Tom Marentette				2019+				



# Project Summary

<b>Project #</b>	PFO-003-14	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Corporate Boiler Replacement Program		
<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>							
<p>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.</p> <p>Annual funding of \$50,000 is being requested to replace aging boilers as they approach the end of their useful life and fail.</p>				<p>The Building Condition Assessment project and continued collection of asset data will assist the department in inventory and detailing a replacement schedule.</p>							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7142001											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	55,000	89,500	0	0	144,500
2018	55,000	55,000	0	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>55,000</b>	<b>89,500</b>	<b>0</b>	<b>0</b>	<b>144,500</b>
2019	89,500	89,500	0	<b>Revenues</b>							
2020	0	0	0	169 Pay As You Go - Capital Reserve	0	0	55,000	89,500	0	0	144,500
2021+	0	0	0	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>55,000</b>	<b>89,500</b>	<b>0</b>	<b>0</b>	<b>144,500</b>
	<b>144,500</b>	<b>144,500</b>	<b>0</b>								
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
2014	55,500	55,500	0								
2015	50,000	50,000	0								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2014	January 01, 2015	Growth: Maintenance:		Tom Graziano				Ongoing			



## Project Summary

<b>Project #</b>	PFO-004-14	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Facility Operations Business Process Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

<p><b>Project Description</b></p> <p>The Facility Operations division has drastically changed from its initial roots. Over the years, Facility Operations has worked to identify the key services necessary to ensure corporate facilities are maintained and services are not disrupted. The department's corporate role has grown from a maintenance division to building administrators division which includes oversight of external agreements with 3rd party tenants such as the federal and provincial governments and management of high tech or high maintenance buildings such as the WIATC (water park) and the Capitol Theatre. As the Facility Operations division evolved over the last decade with a focus on real property management, the need to update business processes and utilize industry best practices has become increasingly crucial. The Parks department is also in a position to benefit from a business process review. Much of its processes rely on paper and the department has not had a comprehensive review of its business practices in a number of years.</p>	<p><b>Version Description</b></p> <p>This Business Process Review project will provide a comprehensive review of the administrative resources, procedures, project management practices and asset management processes in both the Facility and Park departments to create an efficient, effective and consistent system for managing the Corporation's complex and diverse facility portfolio. An internal review is being initiated and may identify external consulting needs. It is anticipated that a facilitator can assist in the work needed to complete a full business process review. This work would be to conduct meetings to gather information, to identify and streamline processes, to eliminate wasteful practices, to recommend best practices and to document these new procedures. One of the certain improvements to the business processes will involve an increased use of technology to allow for information exchange in the field. This will include identifying and purchasing the optimal type of hardware (e.g. tablets, laptops, etc.). Currently, most of the processes rely on paper so this will create much needed efficiencies. Software may also need to be purchased in order to create a more efficient process. Many of the Parks department's assets are not tracked in a database. During the business process review, it is likely that there will be costs associated with including Park's assets in an asset management database.</p>																																																																																																										
<p><b>Project Comments/Reference</b></p> <p>7141007</p>	<p><b>Version Comments</b></p> <p>In 2014, surplus funds in the amount of \$240,000 was transferred from project ID 7059002 - Civic Image Features-Walker Road, per 2014 approved capital budget (CR#B38-2013), noted in the Historical Approved Budget section (i.e. Subsidies) to fund this project.</p>																																																																																																										
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## Project Summary

<b>Project #</b>	PFO-004-14	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Facility Operations Business Process Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

Project Title			Effective Date	Description	Exp/(Rev)	FTE Impact
			Unknown	Operating budget impacts are noted above in Version Description.	0	0
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>	<b>Project Lead</b>		<b>Est. Completion Date</b>	
2014	January 01, 2020	Growth: Maintenance:	Tom Graziano/Mark Winterton		2020	



# Project Summary

<b>Project #</b>	ENG-008-15	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Strabane Ave. Sanitary Sewer Improvement - WUC Discharge		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>																																																																																																																	
<p>WUC has requested approval to discharge waste effluent to the sanitary sewer on Strabane Ave. This sewer requires replacement in order to accept this flow. If allowed to discharge to this sewer, WUC will experience cost savings as a result, which they will transfer to the City. These funds, amounting to approximately \$50K per month, will accumulate in order to pay for this work.</p> <p>Note: Cost estimate is only for construction of the new sanitary sewer and does not include temporary financing costs which will be charged to the project on a monthly basis until accumulated savings pay for the initial infrastructure cost.</p>				2016 - Phase 2 sewer replacement on Strabane Ave. - Riverside Dr. to Wyandotte St. - \$900,000																																																																																																																	
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2015	January 01, 2015	Growth:0.0% Maintenance:100.0%		Anna Godo				2016																																																																																																													



## Project Summary

<b>Project #</b>	ECP-001-16	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	New City Hall Additional Funding Placeholder		
<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>				<b>Version Description</b>								
Estimated additional funding of \$8,850,000 was presented to Council by the New City Hall Steering Committee on June 15, 2015 per M222-2015, and in Council Report #17867 on August 24, 2015. Administration is to report back to Council after the tendering for this project is completed to confirm the actual additional funding required. This project was created as a placeholder to identify potential funding sources for the estimated \$8,850,000. The project will only be approved in principle through the capital budget. Any actual approval of funds for this project require Council approval of the report Administration must bring back.				Placeholder funding sources suggested for the estimated additional funds for the New City Hall: \$1,500,000 – transfer from 7145005 – 2014 Enhanced Interim Financing fund \$2,500,000 – 2019 unallocated debt reduction levy \$4,850,000 – 2021 debt reduction levy								
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
7115001				This project is not scheduled for completion until 2018. The placeholder funding identified for this project does not impact any projects previously approved in principle in the 2015 5-year capital plan.								
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>		<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	0	0	0	5410 Construction Contracts - TCA								
2017	0	0	0			0	0	0	2,500,000	0	4,850,000	7,350,000
2018	0	0	0									
2019	2,500,000	2,500,000	0	<b>Total :</b>		0	0	0	2,500,000	0	4,850,000	7,350,000
2020	0	0	0	<b>Revenues</b>								
2021+	4,850,000	4,850,000	0	169 Pay As You Go - Capital Reserve		0	0	0	2,500,000	0	4,850,000	7,350,000
	<b>7,350,000</b>	<b>7,350,000</b>	<b>0</b>	<b>Total :</b>		0	0	0	2,500,000	0	4,850,000	7,350,000
<b>Historical Approved Budget</b>												
		<b>Revenue</b>		<b>GL Account</b>		<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	0	0	0	5410 Construction Contracts - TCA								
2017	0	0	0			0	0	0	2,500,000	0	4,850,000	7,350,000
2018	0	0	0									
2019	2,500,000	2,500,000	0	<b>Total :</b>		0	0	0	2,500,000	0	4,850,000	7,350,000
2020	0	0	0	<b>Revenues</b>								
2021+	4,850,000	4,850,000	0	169 Pay As You Go - Capital Reserve		0	0	0	2,500,000	0	4,850,000	7,350,000
	<b>7,350,000</b>	<b>7,350,000</b>	<b>0</b>	<b>Total :</b>		0	0	0	2,500,000	0	4,850,000	7,350,000
<b>Related Projects</b>				<b>Operating Budget Impact</b>								
<b>Project Title</b>				<b>Effective Date</b>		<b>Description</b>		<b>Exp/(Rev)</b>		<b>FTE Impact</b>		
						No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>				
2016	November 16, 2018	Growth: Maintenance:		Wadah Al-Yassir				2021				



## Project Summary

<b>Project #</b>	ENG-001-16	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Sixth Concession/North Talbot		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	Ward 1, Ward 9		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
The Sixth Concession/North Talbot EA is nearing completion and includes recommendations on construction phasing for both Sixth Concession and North Talbot Roads. The cost estimates do not include land acquisition, utilities, or works associated with CN Rail.				2021+: Design and Phased Construction - \$20,500,000							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	0	0	0	20,500,000	20,500,000
2018	0	0	0								
2019	0	0	0								
2020	0	0	0								
2021+	20,500,000	20,500,000	0								
	<b>20,500,000</b>	<b>20,500,000</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20,500,000</b>	<b>20,500,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		169 Pay As You Go - Capital Reserve							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>		0	0	0	0	0	20,500,000	20,500,000
				<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20,500,000</b>	<b>20,500,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2016	January 01, 2020	Growth: Maintenance:		Wes Hicks				2021+			



# Project Summary

<b>Project #</b>	ENG-002-16	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Little River Corridor Improvements (Lauzon Rd. to VIA Tracks)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
<p>The Little River municipal drain provides conveyance of storm water for 33% of the City 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 using natural channel design techniques to create a sustainable river corridor was completed in 2012. Proposed design features and plantings would create a more sustainable river corridor and control sediment with off-line pool.</p>				<p>2020: \$100,000 - Municipal Class Environmental Assessment, Schedule B 2021+: \$700,000 - Design &amp; Construction</p> <p>The City of Windsor will partner with the Essex Regional Conservation Authority (ERCA) in order to make an application for Provincial Water and Erosion Control Infrastructure (WECl) funds.</p>							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	0	0	100,000	700,000	800,000
2018	0	0	0								
2019	0	0	0								
2020	100,000	100,000	0								
2021+	700,000	700,000	0								
	<b>800,000</b>	<b>800,000</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>700,000</b>	<b>800,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		028 Sewer Surcharge							
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>		0	0	0	0	100,000	700,000	800,000
				<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>700,000</b>	<b>800,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
				No Operating Budget Impact							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2016	January 01, 2020	Growth: Maintenance:		Anna Godo				2021+			



## Project Summary

<b>Project #</b>	ENG-004-16	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Key Control		
<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	Version Description
<p>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. The Division should develop templates and guidelines for distribution to those managers in operating departments who are responsible for the security of City facilities."</p> <p>The City of Windsor has a duty under the Occupier's Liability Act and the Occupational Health &amp; Safety Act to protect employees and members of the public from foreseeable dangers, to ensure they are reasonably safe while on the premises, and to maintain a safe workplace. Keys provide access to buildings and consequently, to the people located within the buildings. An absence of strict key control could pose a security and a Health &amp; Safety risk. Keys within the corporation are currently handled on an ad hoc basis. Each facility tracks and maintains its own sets of keys. There is no standardized methodology to ensure keys are returned or not duplicated or that locks are changed if keys are lost.</p> <p>The key management system will include changing keys and locks of all external &amp; internal doors in a facility to a secure format. Software will be purchased to monitor key access &amp; distribution of keys. A policy will be created to provide common rules for the usage of keys.</p>	<p>There are 41 facilities identified as the priority to change locks and regulate key assignments. These include administration buildings, community centres, fire halls, and other recreation &amp; culture buildings such as Art Gallery, Willistead, Windsor International Aquatics Centre etc. All facilities eventually need to be converted to a key control system. Initially, the focus for conversion will be on areas where staff is located, including many administrative buildings, community centres, fire halls, and operations buildings.</p> <p>In the first year, software will be purchased/implemented to track the inventory of new keys as they are assigned. As well, a policy will be developed to govern the use and assignment of keys.</p> <p>It is estimated that it will cost approximately \$12,500 per facility to prepare each building. This will vary depending on the size and use of the building. This includes:</p> <ul style="list-style-type: none"> <li>• purchase of key storage cabinets</li> <li>• changing locks of all exterior doors</li> <li>• changing cylinders of internal doors</li> <li>• copies of keys for external and internal doors</li> </ul> <p>The first year will focus on obtaining software and converting 7 or 8 buildings. The second to fourth years will convert 8-10 building with the remaining 3 – 5 in the last year.</p> <p>The work will be done in phases over a number of years:            2016: \$100,000 to purchase software and convert 7 - 8 buildings.            2017-2019: \$150,000 per year to convert 8 - 10 buildings per year.            2020: \$50,000 to convert 5 facilities.</p>
Project Comments/Reference	Version Comments
<p>7165002</p>	



# Project Summary

<b>Project #</b>	ENG-004-16	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Key Control		
<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 Forecast			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2016	100,000	100,000	0
2017	150,000	150,000	0
2018	150,000	150,000	0
2019	150,000	150,000	0
2020	50,000	50,000	0
2021+	0	0	0
	<b>600,000</b>	<b>600,000</b>	<b>0</b>

Historical Approved Budget			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies

Related Projects	
Year Identified	Project Title

Project Detailed Forecast							
GL Account	2016	2017	2018	2019	2020	2021+	Total
<b>Expenses</b>							
5410 Construction Contracts - TCA							
	100,000	150,000	150,000	150,000	50,000	0	600,000
Total :	100,000	150,000	150,000	150,000	50,000	0	600,000
<b>Revenues</b>							
169 Pay As You Go - Capital Reserve							
	100,000	150,000	150,000	150,000	50,000	0	600,000
Total :	100,000	150,000	150,000	150,000	50,000	0	600,000

Operating Budget Impact			
Effective Date	Description	Exp/(Rev)	FTE Impact
	No Operating Budget Impact		

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2016	January 04, 2016	Growth:0.0% Maintenance:100.0%	Mel Douglas	2020



# Project Summary

<b>Project #</b>	ENG-006-16	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	Peace Fountain Capital Repairs		
<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>				<b>Version Description</b>							
<p>The Peace Fountain was constructed in 1978 as per the customized requirements of the City. It underwent a major overhaul and structural rebuild in 1988. Since then, the Parks department has been maintaining the Fountain from operating funds by prioritizing needs.</p>				<p>Most of its systems and fixtures are outdated. For example, the lighting is run by a DOS based software program that is understood by very few. Computer control systems, valves, electrical breaker panels and other components require a major review and replacement. The Department recommends that \$100,000 be allocated in 2016 to carry out minimum repairs to ensure continuous working of the Fountain. Meanwhile, an RFP will be put together to hire a consultant in 2017 to review the entire structure and put forward recommendations for this aging fountain. Subsequent action will be based on the consultant's findings.</p>							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7162002											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	100,000	100,000	0	5410 Construction Contracts - TCA							
2017	100,000	100,000	0		100,000	100,000	0	0	0	0	200,000
2018	0	0	0	<b>Total :</b>							
2019	0	0	0	100,000	100,000	0	0	0	0	0	200,000
2020	0	0	0	<b>Revenues</b>							
2021+	0	0	0	169 Pay As You Go - Capital Reserve							
	<b>200,000</b>	<b>200,000</b>	<b>0</b>		100,000	100,000	0	0	0	0	200,000
<b>Historical Approved Budget</b>				<b>Total :</b>							
		<b>Revenue</b>		100,000	100,000	0	0	0	0	0	200,000
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Total :</b>							
				100,000	100,000	0	0	0	0	0	200,000
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
				No Operating Budget Impact							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2016	January 04, 2016	Growth:0.0% Maintenance:100.0%		Donovan Tremblay/Tom Graziano							





# Project Summary

<b>Project #</b>	ENG-007-16	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Flooding Abatement Measures		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

<p><b>Project Description</b></p> <p>This project will merge the following five programs, which used to be separate projects in the Capital Budget, into one project:</p> <ul style="list-style-type: none"> <li>- Closed Circuit Television (CCTV) Program – to evaluate sewer conditions and assist in capital planning</li> <li>- Smoke &amp; Dye Testing Program – to identify infiltration and cross connection issues for identification of repairs required to reduce basement flooding</li> <li>- 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</li> <li>- Basement Flooding Mitigation Measures Program – for the implementation of a downspout disconnection program and investing in live flow monitoring equipment</li> <li>- 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.</li> </ul>	<p><b>Version Description</b></p> <p>This consolidates the following previously approved projects into one program:</p> <ol style="list-style-type: none"> <li>1) OPS-008-07 Closed Circuit Television (CCTV)</li> <li>2) OPS-003-10 Small Sewer Repairs</li> <li>3) ECP-001-12 Basement Flooding Mitigation Measures</li> <li>4) EIT-002-11 Basement Flooding Prevention Subsidy Program</li> </ol>																																																																																																										
<p><b>Project Comments/Reference</b></p> <p>Please see attachment for historical budget approvals.</p>	<p><b>Version Comments</b></p>																																																																																																										
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## Project Summary

<b>Project #</b>	ENG-007-16	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Infrastructure & Geomatics
<b>Title</b>	Flooding Abatement Measures		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Sewers		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2016	January 01, 2016	Growth:0.0% Maintenance:100.0%	Mark Winterton	2021+

2016 Project Attachment

Project # ENG-007-16

Project Name: Flooding Abatement Measures

Note: This project now consolidates previously approved capital projects.

HISTORICAL APPROVED BUDGETS:

Project No.	Project Title	2007	2008	2009	2010	2011	2012	2013	2014	2015
OPS-008-07	Closed Circuit Television (CCTV)	100,000	100,000	150,000	150,000	100,000	50,000	50,000	100,000	100,000
OPS-003-10	Small Sewer Repairs	-	-	-	-	500,000	500,000	500,000	1,000,000	1,000,000
ECP-001-12	Basement Flooding Mitigation Measures	-	-	-	-	-	350,000	2,200,000	400,000	-
EIT-002-11	Basement Flooding Prevention Subsidy Program	-	-	-	-	500,000	250,000	250,000	900,000	250,000
<b>Total</b>		<b>100,000</b>	<b>100,000</b>	<b>150,000</b>	<b>150,000</b>	<b>1,100,000</b>	<b>1,150,000</b>	<b>3,000,000</b>	<b>2,400,000</b>	<b>1,350,000</b>

5 YEAR PLAN ALLOCATION BY PROGRAM:

Program	2016	2017	2018	2019	2020	2021+
Closed Circuit Television (CCTV)	100,000	100,000	100,000	100,000	100,000	100,000
Small Sewer Repairs	1,000,000	1,000,000	1,000,000	-	1,000,000	-
Basement Flooding Mitigation Measures	-	200,000	1,000,000	-	-	-
Basement Flooding Prevention Subsidy Program	1,200,000	1,200,000	420,000	540,000	-	2,200,000
Smoke & Dye Testing	330,000	-	180,000	-	-	600,000
	<b>2,630,000</b>	<b>2,500,000</b>	<b>2,700,000</b>	<b>640,000</b>	<b>1,100,000</b>	<b>2,900,000</b>

Note: Although the total amount budgeted for 2016 will not change, funds may be reallocated between programs at the discretion of the City Engineer.



# Project Summary

<b>Project #</b>	ENG-008-16	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Facility Operations
<b>Title</b>	400 CHS Building Reconfiguration		
<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>				<b>Version Description</b>								
<p>The forthcoming Employee Service Center and Payroll areas of the Human Resources Department require office space to accommodate the proposed staffing model related to the implementation of the Workforce Management Software. In order to maximize efficiencies, these areas need to be located next to the Human Resources Department, which is located on the 4th floor of 400 City Hall Square.</p> <p>The Employment and Training Services division of the Employment and Social Services Department currently occupies space on the 4th Floor of 400 City Hall Square. This budget will allow for the construction and reconfiguration of existing space within the 3rd floor of 400 City Hall Square to optimize use of the building's office space and to allow for the relocation of this division.</p>												
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	0	0	0	5410 Construction Contracts - TCA								
2017	0	0	0		0	0	0	38,000	275,000	0	313,000	
2018	0	0	0									
2019	38,000	38,000	0									
2020	275,000	275,000	0									
2021+	0	0	0									
	<b>313,000</b>	<b>313,000</b>	<b>0</b>	<b>Revenues</b>								
				169 Pay As You Go - Capital Reserve								
					0	0	0	38,000	275,000	0	313,000	
					<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>38,000</b>	<b>275,000</b>	<b>0</b>	<b>313,000</b>
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>								
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>									
					No Operating Budget Impact							
<b>Related Projects</b>												
<b>Project Title</b>												
				<b>Project Lead</b>				<b>Est. Completion Date</b>				
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>										
2016	January 01, 2016	Growth: Maintenance:		Tom Graziano/France Isabelle-Tunks				December 2016				



# Project Summary

<b>Project #</b>	ENG-009-16	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Engineering
<b>Asset Type</b>	Unassigned	<b>Division</b>	Development, Projects & Right of Way
<b>Title</b>	North Talbot EA/Engineering and Southwood Lakes Entr. Reconstr'n Placeholder		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	Ward 1		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version 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.				North Talbot Environmental Assessment and Engineering - \$200,000 Southwood Lakes East Entrance (Lake Trail Drive just off of Howard Ave.) Reconstruction - \$400,000								
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	0	0	0	5410 Construction Contracts - TCA								
2017	0	0	0		0	0	0	0	600,000	0	600,000	
2018	0	0	0									
2019	0	0	0									
2020	600,000	600,000	0									
2021+	0	0	0									
	<b>600,000</b>	<b>600,000</b>	<b>0</b>	<b>Revenues</b>								
				169 Pay As You Go - Capital Reserve								
					0	0	0	0	600,000	0	600,000	
					<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>600,000</b>	<b>0</b>	<b>600,000</b>
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>								
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>									
				No Operating Budget Impact								
<b>Related Projects</b>												
<b>Project Title</b>												
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>				
2016		Growth: Maintenance:		Wes Hicks								



# Project Summary

<b>Project #</b>	PFO-010-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Parks
<b>Asset Type</b>	Unassigned	<b>Division</b>	Forestry
<b>Title</b>	City Ash Tree Removals		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<table border="1"> <tr> <th colspan="4">Project Description</th> </tr> <tr> <td colspan="4">Removal of trees infested with the Emerald Ash Borer began in 2003. The tree removals were accelerated beyond initial expectations due to the rapid proliferation of the Borer and the City's desire to remove infested trees before they become public health &amp; safety hazards. Once the trees are removed, replacement trees are planted as soon as time constraints allow.</td> </tr> </table>	Project Description				Removal of trees infested with the Emerald Ash Borer began in 2003. The tree removals were accelerated beyond initial expectations due to the rapid proliferation of the Borer and the City's desire to remove infested trees before they become public health & safety hazards. Once the trees are removed, replacement trees are planted as soon as time constraints allow.				<table border="1"> <tr> <th colspan="8">Version Description</th> </tr> <tr> <td colspan="8">The acceleration of the Ash tree removals and tree replacements was made possible by Council's approval (CR319/2007) to borrow \$800,000 from the Tree Planting reserve account. Based on the original repayment schedule, the borrowed funds would be repaid to the reserve account by 2011, from the proposed funding of the Emerald Ash Borer Program from 2007 to 2011 coming from Pay As You Go - Capital Reserve. However, the pre-committed funding for 2009 (\$400,000), as well as part of 2010 (\$100,000), has been reallocated to project PFO-003-09 Ojibway Prairie Complex - RInC (per Appendix A, Council Report #14073). These funds will still have to be recovered to pay back the Tree Planting reserve account. This necessitates a revision of the repayment schedule extending it to the year 2016. This 2016 Budget will be the final installment to replenish the reserve funds that were borrowed. Once the 2016 funding is realized, this project will be closed.</td> </tr> </table>	Version Description								The acceleration of the Ash tree removals and tree replacements was made possible by Council's approval (CR319/2007) to borrow \$800,000 from the Tree Planting reserve account. Based on the original repayment schedule, the borrowed funds would be repaid to the reserve account by 2011, from the proposed funding of the Emerald Ash Borer Program from 2007 to 2011 coming from Pay As You Go - Capital Reserve. However, the pre-committed funding for 2009 (\$400,000), as well as part of 2010 (\$100,000), has been reallocated to project PFO-003-09 Ojibway Prairie Complex - RInC (per Appendix A, Council Report #14073). These funds will still have to be recovered to pay back the Tree Planting reserve account. This necessitates a revision of the repayment schedule extending it to the year 2016. This 2016 Budget will be the final installment to replenish the reserve funds that were borrowed. Once the 2016 funding is realized, this project will be closed.																																																																																																							
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## Project Summary

<b>Project #</b>	PFO-010-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Parks
<b>Asset Type</b>	Unassigned	<b>Division</b>	Forestry
<b>Title</b>	City Ash Tree Removals		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2007	January 01, 2015	Growth:0.0% Maintenance:100.0%	Paul Giroux	2016



# Project Summary

<b>Project #</b>	PFO-004-10	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Parks
<b>Asset Type</b>	Unassigned	<b>Division</b>	Forestry
<b>Title</b>	Tree Replacements – Jefferson Ave. Berm		
<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>				<b>Version Description</b>																																																																																																																	
The Jefferson Ave. berm has approximately 700 trees whose conditions have been deteriorating over the past number of years. The trees (Austrian Pines & Blue Spruces) are being infected by 2 different fungi that are usually fatal. Because of the diseases that are present we would not replant with conifers, but would choose deciduous species like English Oak, that retain their leaves through the winter.				The Forestry Division will commence the removal of dead and diseased trees over the 2015/2016 winter season. In the Spring of 2016 replanting of trees will begin.																																																																																																																	
<b>Project Comments/Reference</b>				<b>Version Comments</b>																																																																																																																	
7143000				M423-2009, Report #14406 approved Jefferson Boulevard Berm Trees as a pre-commitment to years 2014-2016 in the amount of \$130,000/yr. for a total cost of \$390,000.																																																																																																																	
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2010	January 01, 2015	Growth:0.0% Maintenance:100.0%		Paul Giroux				2016																																																																																																													





# Project Summary

<b>Project #</b>	PFO-007-11	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Parks
<b>Asset Type</b>	Unassigned	<b>Division</b>	Forestry
<b>Title</b>	Tree Maintenance Backlog		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<p><b>Project Description</b></p> <p>The Forestry Operations is responsible for the maintenance of approximately 65,000 street trees and 35,000 parkland trees. Tree maintenance on existing trees primarily involves the removal of poor trees and trimming of trees that are still viable. In the past, Parks carried out area trim contracts throughout the city with the intent to trim all the city's street trees over a 10 year period. This proactive maintenance was last carried out in 2006 on a smaller scale. Our area trims also addressed streetlights/tree conflicts. Since area trims are no longer carried out, no trimming for streetlight clearances has occurred. Enwin has indicated that the number of streetlight outages has increased recently due to tree limbs knocking down the lines. Over the past 10 years Parks has increased the number of removals carried out per year due to the age of many of our Silver and Norway maples.</p>	<p><b>Version Description</b></p> <p>The age distribution of our street trees is as follows: 30.3% are over 60 years old; 29.7% are between 40-60 years old; 18% are between 20-40 years old; and 22% are under 20 years old. As a result funds originally budgeted to trimming were reallocated to removals. The balance of the trim budget has been used when available, to help reduce the backlog of work activity spawned by citizen requests. As a result of the above activities Parks no longer carried out any proactive trimming. All trimming is carried out on a reactive basis. The absence of proactive trimming greatly increases the city's liability when it comes to the related claims. In order to move to the acceptable industry standard, \$480,000 will be required on a go forward basis.</p>																																																																																																																										
<p><b>Project Comments/Reference</b></p> <p>(7129001 closed), 7131021</p>	<p><b>Version Comments</b></p> <p>A report is being prepared which will outline the plan for Forestry moving forward which will address the backlog workload and how the funding is to be utilized. The report will outline the implementation of an inspection plan and resource requirements to carry out these plans.</p>																																																																																																																										
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## Project Summary

<b>Project #</b>	PFO-007-11	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Parks
<b>Asset Type</b>	Unassigned	<b>Division</b>	Forestry
<b>Title</b>	Tree Maintenance Backlog		
<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 Title			Effective Date	Description	Exp/(Rev)	FTE Impact
				No Operating Budget Impact		
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>	<b>Project Lead</b>		<b>Est. Completion Date</b>	
2011	January 01, 2015	Growth:0.0% Maintenance:100.0%	Paul Giroux		2021	



# Project Summary

<b>Project #</b>	PFO-005-12	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Parks
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks Operations
<b>Title</b>	Regional 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>				<b>Version Description</b>																																																																																																																	
Regional parks benefit the entire community, surrounding communities, tourist and visitors to Windsor. Projects undertaken focus on park redevelopment and improving major park amenities.				2016: Mic Mac Park-Cullen Field Improvements - lighting 2017: Alexander Park Accessible Playground and Mic Mac washrooms 2018: Jackson Park design, plan & construction documents 2019: Jackson Park Sunken Garden washrooms & Maintenance Bldg. 2020: No Funding																																																																																																																	
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# Project Summary

<b>Project #</b>	PFO-006-12	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Parks
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks Operations
<b>Title</b>	Community 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>				<b>Version 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 do 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 improving major park amenities.				2016: Forest Glade Parking Lot & Trails - Part II 2017: Lakeshore Woods Park Improvements 2018: No Funding 2019: Bridgeview Path Shelter Lights Park Redevelopment 2020: MacDonald Park Improvements 2021+: Walkerhomesite and Hall Farms Park Improvements; Splash Pad with Washroom Facilities at Forest Glade Community Centre																																																																																																															
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7129011/7151014				Additional project funds from the 2018 Debt Reduction Plan (\$500,000) have been pre-approved as a placeholder in the 2014 Approved Capital Budget. CR89/2014 Report, #17088 approved this placeholder.  Note: On August 4th, 2015, Council approved the site plan application for the Forest Glade Park Complex at 3205-3215 Forest Glade Drive, Report #17860.																																																																																																															
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2012				January 01, 2015				Growth:0.0% Maintenance:100.0%				Mike Clement				Ongoing																																																																																																			



# Project Summary

<b>Project #</b>	PFO-007-12	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Parks
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks Operations
<b>Title</b>	Neighbourhood Parks		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main - Neighbourhood Parks (Active)		

<b>Project Description</b>				<b>Version 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.				2016: Mitchell Park play area 2017: Mitchell Park pathways, sports court, lights and shelter 2018: No Funding 2019: Mitchell Park finish improvements; Leafield and Kennedy Park improvements 2020: Bruce Avenue Park Improvements 2021+: North Talbot Park							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7129003/7151015/7161025											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	250,000	250,000	0	5410 Construction Contracts - TCA							
2017	250,000	250,000	0		250,000	250,000	0	500,000	500,000	250,000	1,750,000
2018	0	0	0	<b>Total :</b>	250,000	250,000	0	500,000	500,000	250,000	1,750,000
2019	500,000	500,000	0	<b>Revenues</b>							
2020	500,000	500,000	0	151 Land Acquisitions - O/T Highways							
2021+	250,000	250,000	0		0	0	0	500,000	0	0	500,000
	<b>1,750,000</b>	<b>1,750,000</b>	<b>0</b>	160 Capital Expenditure Reserve	250,000	250,000	0	0	0	0	500,000
				169 Pay As You Go - Capital Reserve	0	0	0	500,000	0	250,000	750,000
				<b>Total :</b>	250,000	250,000	0	500,000	500,000	250,000	1,750,000
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>			<b>Exp/(Rev)</b>		<b>FTE Impact</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	Unknown	Accessible Playgrounds have a financial impact on the Operating Budget. Replacement parts and repairs are more costly than traditional playground equipment.			0		0	
2012	70,000	70,000	0								
2014	300,000	300,000	0								
2015	340,500	340,500	0								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>											
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2012	January 01, 2015	Growth:0.0% Maintenance:100.0%		Mike Clement				Ongoing			



# Project Summary

<b>Project #</b>	PFO-008-12	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Parks
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks Operations
<b>Title</b>	New 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>				<b>Version Description</b>																																																																															
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.				2017: East Riverside Little River Rd. linear park - \$300,000 2021+: Sandwich South Employment Lands - \$300,000																																																																															
<b>Project Comments/Reference</b>				<b>Version Comments</b>																																																																															
7129004																																																																																			
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>																																																																															
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GL Account	2016	2017	2018	2019	2020	2021+	Total																																																																												
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2012	January 01, 2017	Growth: Maintenance:		Mike Clement				Ongoing																																																																											



# Project Summary

<b>Project #</b>	PFO-009-12	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Parks
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks Operations
<b>Title</b>	Structures		
<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>				<b>Version Description</b>																																																																																																																	
This capital program includes replacement and renovations of bridges, shelters, buildings and other park structures which may need replacement.				2016: Little River Corridor Bridge 2017: Little River Corridor Bridge 2018: No Funding 2019: Little River Corridor Bridge 2020: East End Yard new building (Design) 2021+: East End Yard and Shorewall Improvements																																																																																																																	
<b>Project Comments/Reference</b>				<b>Version Comments</b>																																																																																																																	
7129005																																																																																																																					
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<b>Total :</b>	<b>50,000</b>	<b>50,000</b>	<b>0</b>	<b>100,000</b>	<b>100,000</b>	<b>8,700,000</b>	<b>9,000,000</b>																																																																																																														
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2012	January 01, 2015	Growth:0.0% Maintenance:100.0%		Mike Clement				Ongoing																																																																																																													



# Project Summary

<b>Project #</b>	PFO-011-12	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Parks
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks Operations
<b>Title</b>	City Beautification & Gateways-Maintenance & Refurbishments		
<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>				<b>Version Description</b>																																																																																																																	
<p>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. In 2009, CR301/2009 approved funding of \$2.5M for the Civic Gateways (PFO-004-09/7081902). Further beautification efforts adding to our gateway initiatives include Lauzon Parkway at E.C. Row and Wyandotte Street East Median Improvements, which should be completed in 2016. In 2020, the Lauzon Parkway medians from E.C. Row to Tecumseh Rd East will be improved.</p>				<p>2016: Lauzon Parkway at E.C. Row                  2020: Lauzon Parkway completion                  2021+: Banwell and Huron Line median work; upgrade existing Gateways &amp; Streetscapes</p>																																																																																																																	
<b>Project Comments/Reference</b>				<b>Version Comments</b>																																																																																																																	
7129006				Additional project funds (\$520k) have been pre-approved in principle as a placeholder in the 2014 Approved Capital Budget. CR89/2014 Report #17088 approves this placeholder (Wyandotte st. medians).																																																																																																																	
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>																																																																																																																	
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2012	January 01, 2015	Growth:0.0% Maintenance:100.0%		Mike Clement				Ongoing																																																																																																													





# Project Summary

<b>Project #</b>	PFO-012-12	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Parks
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks Operations
<b>Title</b>	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)		

<b>Project Description</b>				<b>Version Description</b>							
Repairs are required to regularly maintain asphalt and granular base trails making them safe and thereby decreasing litigation and claims. We are experiencing a backlog of required trail repairs although we will deal with them as far as funding will allow. Repairs, resurfacing, bollards, curb maintenance, safety markings and signs are all potential upgrades. We have over 100 kms of trails in our system and ongoing refurbishment of sections of trails are necessary to maintain a safe and usable overall trail system.				Hall Farm Trail Central Riverfront - Ambassador Bridge to Elm Bruce Avenue Park Edgar Bikeways Southwood Lakes Trails Note: Priority will be given to those areas based on inspection results.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
(7129012 Closed)/7161026											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	200,000	200,000	0	5410 Construction Contracts - TCA							
2017	200,000	200,000	0	200,000 200,000 0 200,000 200,000 400,000 1,200,000							
2018	0	0	0	Total : 200,000 200,000 0 200,000 200,000 400,000 1,200,000							
2019	200,000	200,000	0	<b>Revenues</b>							
2020	200,000	200,000	0	169 Pay As You Go - Capital Reserve							
2021+	400,000	400,000	0	200,000 200,000 0 200,000 200,000 400,000 1,200,000							
	<b>1,200,000</b>	<b>1,200,000</b>	<b>0</b>	Total : 200,000 200,000 0 200,000 200,000 400,000 1,200,000							
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>	<b>Exp/(Rev)</b>	<b>FTE Impact</b>				
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	No Operating Budget Impact							
<b>Related Projects</b>				<b>Project Title</b>							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2012	January 01, 2016	Growth:0.0% Maintenance:100.0%		Mike Clement				2020+			



# Project Summary

<b>Project #</b>	PFO-013-12	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Parks
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks Operations
<b>Title</b>	Parking Lots		
<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>				<b>Version Description</b>																																																																															
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 Bylaws.				2019: Jackson Park parking lot \$1,000,000 2020: Optimist Memorial Park parking lot \$500,000 2021+: Malden Park parking lot \$700,000																																																																															
<b>Project Comments/Reference</b>				<b>Version Comments</b>																																																																															
7129007																																																																																			
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>																																																																															
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GL Account	2016	2017	2018	2019	2020	2021+	Total																																																																												
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2012	January 01, 2019	Growth: Maintenance:	Mike Clement	2020+																																																																															



# Project Summary

<b>Project #</b>	PFO-014-12	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Parks
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks Operations
<b>Title</b>	Partnerships		
<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>				<b>Version 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.																																																																																																																					
<b>Project Comments/Reference</b>				<b>Version Comments</b>																																																																																																																	
7129015 - Partnerships																																																																																																																					
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2012	January 01, 2015	Growth:100.0% Maintenance:0.0%		Mike Clement				Ongoing																																																																																																													



# Project Summary

<b>Project #</b>	PFO-015-12	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Parks
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks Operations
<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)		

<b>Project Description</b>				<b>Version Description</b>							
The Parks Master Plan was last updated in 1989. This program will create a new document that defines and shapes our parks system for the foreseeable future. This program will create a living document aligned with the City's five year capital budget and will be updated every 5 years with attainable goals.				2021+: Five Year Update of Parks Master Plan							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7129013											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0	0	0	0	0	0	0	300,000	300,000
2018	0	0	0	<b>Total :</b>							
2019	0	0	0	0	0	0	0	0	0	300,000	300,000
2020	0	0	0	<b>Revenues</b>							
2021+	300,000	300,000	0	169 Pay As You Go - Capital Reserve							
	<b>300,000</b>	<b>300,000</b>	<b>0</b>	0	0	0	0	0	0	300,000	300,000
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
		<b>Revenue</b>		<b>Effective Date</b>				<b>Description</b>		<b>Exp/(Rev)</b>	<b>FTE Impact</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	No Operating Budget Impact							
2013	140,000	140,000	0								
<b>Related Projects</b>											
<b>Project Title</b>											
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2012	January 01, 2015	Growth: Maintenance:		Mike Clement				2021+			



# Project Summary

<b>Project #</b>	PFO-016-12	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Parks
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks Operations
<b>Title</b>	Parkland Acquisitions		
<b>Budget Status</b>	Capital Bdgt. Exec. Comm. (CBC) Recommended		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main - Parks Acquisition (Active)		

<b>Project Description</b>				<b>Version Description</b>								
This general parkland acquisition & development project is used for purchases and development of lands for parks, as these lands become available.				2019-2021+: Riverfront Parkland The City has historically acquired riverfront lands based on location and availability of funds. Administration was in negotiations with a private property owner for the acquisition of its riverfront land. Should a mutually acceptable acquisition price be negotiated the private property owner has indicated it may allow for a protracted payment plan. This budget request is simply a general placeholder at this time. Should any additional lands be identified for purchase for which inadequate funds exist, Administration will produce a council report for their direction.								
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
7129014												
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	0	0	0	5410 Construction Contracts - TCA								
2017	0	0	0									
2018	0	0	0									
2019	0	0	0									
2020	0	0	0									
2021+	10,000,000	10,000,000	0									
	<b>10,000,000</b>	<b>10,000,000</b>	<b>0</b>	<b>Total :</b>								
<b>Historical Approved Budget</b>				<b>Revenues</b>								
		<b>Revenue</b>		151 Land Acquisitions - O/T Highways								
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>									
				0 0 0 0 0 10,000,000 10,000,000								
				0 0 0 0 0 10,000,000 10,000,000								
<b>Related Projects</b>				<b>Operating Budget Impact</b>								
<b>Project Title</b>				<b>Effective Date</b>				<b>Description</b>		<b>Exp/(Rev)</b>		<b>FTE Impact</b>
				No Operating Budget Impact								
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>				
2012	January 01, 2019	Growth: Maintenance:		Mike Clement				2020+				



# Project Summary

<b>Project #</b>	PFO-017-12	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Parks
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks Operations
<b>Title</b>	Equipment Removal		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main - Equipment Removal (Active)		

<b>Project Description</b>				<b>Version Description</b>							
There are several parks with equipment in disrepair and they require annual maintenance. The removal of non-compliant equipment to clear areas will mitigate possible future injuries and claims.				2016 - 2020: Equipment removals The removals will be prioritized each year by the annual Playground Equipment Audit.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7129009											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	150,000	150,000	0	5410 Construction Contracts - TCA							
2017	100,000	100,000	0		150,000	100,000	0	100,000	0	100,000	450,000
2018	0	0	0								
2019	100,000	100,000	0								
2020	0	0	0								
2021+	100,000	100,000	0								
	<b>450,000</b>	<b>450,000</b>	<b>0</b>	<b>Total :</b>	<b>150,000</b>	<b>100,000</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>100,000</b>	<b>450,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		160 Capital Expenditure Reserve							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>		150,000	50,000	0	0	0	0	200,000
2012	100,000	100,000	0	169 Pay As You Go - Capital Reserve							
2013	154,000	154,000	0		0	50,000	0	100,000	0	100,000	250,000
2014	162,468	162,468	0								
2015	158,500	158,500	0	<b>Total :</b>	<b>150,000</b>	<b>100,000</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>100,000</b>	<b>450,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2012	January 01, 2015	Growth:0.0% Maintenance:100.0%		Mike Clement				Ongoing			



# Project Summary

<b>Project #</b>	PFO-001-14	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Parks
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks Operations
<b>Title</b>	Central Riverfront		
<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>				<b>Version Description</b>																													
<p>The priorities of this project will be determined by the public consultation and review of the Central Riverfront Implementation Plan 2000 (CRIP). Much of the initial works in this project involve the installation of infrastructure for continued development of the riverfront. Safety items, accommodation of public access and activities for families continue to be a priority. The project will include infrastructure servicing, hard surface paving, an entrance court, landscaping, site furniture, lighting, fencing, seating, access stairs and ramps.</p>				<p>2019: Dieppe Park riverwalk restoration \$600,000          Festival Plaza paving, lighting, &amp; perimeter fence \$2,000,000          Celestial Beacon design \$400,000          2020: Recreationway lights &amp; way-finding signage \$500,000          2021+: Segment 7 - Family Recreation - Glengarry to Langlois \$2,500,000 &amp; on-going improvements in line with the CRIP \$10,450,000</p>																													
<b>Project Comments/Reference</b>				<b>Version Comments</b>																													
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>																													
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>																						
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<b>Expenses</b>																													
2016	0	0	0	5410 Construction Contracts - TCA																													
2017	0	0	0	<table border="0" style="width: 100%;"> <tr> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">3,000,000</td> <td style="text-align: right;">500,000</td> <td style="text-align: right;">12,950,000</td> <td style="text-align: right;">16,450,000</td> </tr> <tr> <td colspan="7"><hr/></td> </tr> <tr> <td style="text-align: right;">Total :</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">3,000,000</td> <td style="text-align: right;">500,000</td> <td style="text-align: right;">12,950,000</td> <td style="text-align: right;">16,450,000</td> </tr> </table>								0	0	0	3,000,000	500,000	12,950,000	16,450,000	<hr/>							Total :	0	0	0	3,000,000	500,000	12,950,000	16,450,000
0	0	0	3,000,000	500,000	12,950,000	16,450,000																											
<hr/>																																	
Total :	0	0	0	3,000,000	500,000	12,950,000	16,450,000																										
2018	0	0	0	<b>Revenues</b>																													
2019	3,000,000	3,000,000	0	169 Pay As You Go - Capital Reserve																													
2020	500,000	500,000	0	<table border="0" style="width: 100%;"> <tr> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">3,000,000</td> <td style="text-align: right;">500,000</td> <td style="text-align: right;">12,950,000</td> <td style="text-align: right;">16,450,000</td> </tr> <tr> <td colspan="7"><hr/></td> </tr> <tr> <td style="text-align: right;">Total :</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">3,000,000</td> <td style="text-align: right;">500,000</td> <td style="text-align: right;">12,950,000</td> <td style="text-align: right;">16,450,000</td> </tr> </table>								0	0	0	3,000,000	500,000	12,950,000	16,450,000	<hr/>							Total :	0	0	0	3,000,000	500,000	12,950,000	16,450,000
0	0	0	3,000,000	500,000	12,950,000	16,450,000																											
<hr/>																																	
Total :	0	0	0	3,000,000	500,000	12,950,000	16,450,000																										
2021+	12,950,000	12,950,000	0																														
	<b>16,450,000</b>	<b>16,450,000</b>	<b>0</b>																														
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>																													
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>	<b>Exp/(Rev)</b>	<b>FTE Impact</b>																										
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	Unknown	By adding amenities and infrastructure in accordance with the Central Riverfront Implementation Plan (C.R.I.P.) the Operating Budget faces impact. Where additional landscaping and floral displays are prominent the workload and budget pressures are significant. Amenities such as lighting, site furniture, seating and signage add to the maintenance costs of the Operating Department.	0	0																										
<b>Related Projects</b>																																	
<b>Project Title</b>																																	
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>																									
2014	January 01, 2019	Growth: Maintenance:		Mike Clement				2020+																									







# Project Summary

<b>Project #</b>	PFO-003-15	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Parks
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks Operations
<b>Title</b>	Central Riverfront Implementation Plan (C.R.I.P.) Placeholder		
<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>				<b>Version Description</b>							
<p>As per the 2014 Enhanced Capital Plan, Council approved in principle funds from the 2018 Debt Reduction Levy for the Central Riverfront Implementation Plan (C.R.I.P.).</p> <p>A detailed report will come forward to Council identifying specifically what the placeholder funds will be used for. Project descriptions will be updated at that time. To date CR203/2014, R#17278 approved \$40k for a report on what is needed to complete the festival stage, plaza and walkway. CR30/2015 R#17550 approved \$25k for flag pole at Dieppe Park.</p>											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	2,300,000	0	0	0	2,300,000
2018	2,300,000	2,300,000	0	<b>Total :</b>	0	0	2,300,000	0	0	0	2,300,000
2019	0	0	0	<b>Revenues</b>							
2020	0	0	0	169 Pay As You Go - Capital Reserve							
2021+	0	0	0		0	0	2,300,000	0	0	0	2,300,000
	<b>2,300,000</b>	<b>2,300,000</b>	<b>0</b>	<b>Total :</b>	0	0	2,300,000	0	0	0	2,300,000
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2014	January 01, 2018	Growth: Maintenance:		Mike Clement				2018			



## Project Summary

<b>Project #</b>	PFO-001-16	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Parks
<b>Asset Type</b>	Unassigned	<b>Division</b>	Horticulture
<b>Title</b>	Greenhouse Complex		
<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>				<b>Version Description</b>								
<p>The greenhouse complex consists of 7 heated greenhouses housing over 60,000 specialty type plant material. The greenhouses range in age from 10 years to 90 years with the majority of the glass greenhouses being constructed with wood. These houses have now deteriorated to the point where the structure itself is shifting and the wood is rotting, creating concerns for potential safety issues.</p> <p>The current complex is old technology with vents and glass that have low efficiency and now no longer seal properly allowing heat to escape and promotes condensation. Each greenhouse is heated separately where one large, open space is the industry standard for more energy efficiency and provides cost savings to the corporation.</p> <p>There are only two toilets for over 50 staff during peak season. The current lunch room cannot accommodate staff requiring them to eat outside and in the greenhouse area, which is contrary to the Health and Safety requirements to provide employees with a lunch room and adequate washroom facilities.</p>				<p>This project would allow for the build of a greenhouse 150' x 150' which would be built to current safety and high energy efficient standards. The new complex would offer operational savings to the corporation. The greenhouse operation will become increasingly more important to the City Beautification program as the commercial greenhouse industry is trending from flowers to vegetable and medical crop production.</p>								
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	0	0	0	5410 Construction Contracts - TCA								
2017	0	0	0		0	0	0	0	0	1,500,000	1,500,000	
2018	0	0	0									
2019	0	0	0									
2020	0	0	0									
2021+	1,500,000	1,500,000	0									
	<b>1,500,000</b>	<b>1,500,000</b>	<b>0</b>	<b>Revenues</b>								
				169 Pay As You Go - Capital Reserve								
					0	0	0	0	0	1,500,000	1,500,000	
					<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,500,000</b>	<b>1,500,000</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>Related Projects</b>												



## Project Summary

<b>Project #</b>	PFO-001-16	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Parks
<b>Asset Type</b>	Unassigned	<b>Division</b>	Horticulture
<b>Title</b>	Greenhouse Complex		
<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 Title			Effective Date	Description	Exp/(Rev)	FTE Impact
			Unknown	The current 75 year old structure is a result of add-ons and extensions with what is now 7 areas connected by hallways and doorways. Each of the 7 areas has its own heat source. Although it is difficult to project definitively, a new Greenhouse is expected to provide savings to the Corporation in the way of heating and lighting. The current structure is made of wood and glass which often requires maintenance which is not budgeted for.	0	0

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2016	December 04, 2021	Growth: Maintenance:	Dave Tootill	2025



# Project Summary

<b>Project #</b>	PFO-002-16	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Parks
<b>Asset Type</b>	Unassigned	<b>Division</b>	Parks Operations
<b>Title</b>	Splash Pad - Realtor Park Placeholder		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>	Ward 6		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version 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.				This project consists of design, tendering and installation of a splash pad at Realtor Park and renovation/addition to the existing washroom/storage building. The planning phase is expected to commence in the Spring of 2016. Renovations to the existing washroom will be undertaken in the Fall of 2016. The splash pad is anticipated to be tendered in December 2016 with a completion date by June 2017.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	0	0	500,000	0	500,000
2018	0	0	0	<b>Total :</b>							
2019	0	0	0		0	0	0	0	500,000	0	500,000
2020	500,000	500,000	0	<b>Revenues</b>							
2021+	0	0	0	169 Pay As You Go - Capital Reserve							
	<b>500,000</b>	<b>500,000</b>	<b>0</b>		0	0	0	0	500,000	0	500,000
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	No Operating Budget Impact							
<b>Related Projects</b>				<b>Project Title</b>							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2016	April 01, 2016	Growth: Maintenance:		Mike Clement				June 2017			



# Project Summary

<b>Project #</b>	FRS-001-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fleet
<b>Title</b>	Fire First Response Vehicle Replacement		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	2015 (Active)		

<b>Project Description</b>				<b>Version Description</b>																																																																																																																	
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.				Please see document attached for detailed Fire First Response Vehicle Replacement Schedule.																																																																																																																	
<b>Project Comments/Reference</b>				<b>Version Comments</b>																																																																																																																	
See Document Attached (Closed: 7051004/7074066/7101014/7131007) Active: 7111025 (2011 trucks), 7121011 (2012 trucks)/7161031				Pricing for the new trucks is an estimate and may 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 Forecast</b>				<b>Project Detailed Forecast</b>																																																																																																																	
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**Windsor Fire and Rescue Services: First Response Vehicle Replacement Schedule 2016-2020**

<b>Large Fleet Vehicles</b>											
Vehicle #	Class	Description	Model year	In Service	Est Replacement Year	Capital Project replacement auth	2016	2017	2018	2019	2020
4011	Rescue 2	Spartan-Saulsbury	2000		2015	7121011					
4013	ESU 1	Spartan-Saulsbury	2000		2015	7121011					
4019	Hazmat 1	GMC SIE Pick-Up & Trailer (Hazmat)(Trailer 1991)	1996	1996	2015	7111025					
4020 <sup>2</sup>	Spare Engine	Spartan Rosenbauer General	2003	2003	2018	Requested 2017		\$646,134			
4022	Spare Engine	Pierce Velocity	2007	2007	2022	Requested 2022					
4023	Engine 7	Spartan Rosenbauer	2007	2007	2022	Requested 2022					
4024	Engine 4	Spartan Rosenbauer	2007	2007	2022	Requested 2022					
4025	Engine 2	Spartan Rosenbauer	2009	2010	2025	7074066 CR487/2008					
4026	Engine 6	Spartan Rosenbauer	2009	2010	2025	7074066 CR487/2008					
4027	Tanker 8	Spartan Rosenbauer	2009	2010	2025	7074066 CR487/2008					
4031	Engine 5	Spartan Rosenbauer (4S7CT2D92CC075986)	2012	2013	2028	7101014 CR26/2012					
4032	Engine 1	Spartan Rosenbauer (4S7CT2D94CC075987)	2012	2013	2028	7101014 CR26/2012					
4033	Truck 1	Sutphen 70' Quint (1S9A3LNE8D2003098)	2013	2013	2028	7101014 CR21/2013					
4034	Engine 3	Sutphen 70' Quint	2013	2013	2028	7111025 CR21/2013					
4035	Truck 4	Sutphen 95' Quint	2013	2014	2029	7111025 CR21/2013					
4036	Truck 7	Sutphen 95' Quint (1S9A3JNE0D1003140)	2013	2014	2029	7101014 CR21/2013					

**Windsor Fire and Rescue Services: First Response Vehicle Replacement Schedule 2016-2020**

4037	ComPost	Command Post (from OPP)	2007	2007	2030	7121011 CR?/2013					
	<b>Large Fleet Truck Purchases</b>						\$0	\$646,134	\$0	\$0	\$0

<b>Small Fleet Vehicles<sup>3</sup></b>											
Vehicle #	Class	Description	Model year	In Service	Est Replacement Year	Capital Project replacement auth	2016	2017	2018	2019	2020
1802	140	Ford Excursion (Chief Training Officer)	2005	6/5/2005	2016	Annual Project	\$58,060				
1802	Fit-Up	Equipment				Annual Project	\$15,000				
1803	140	Ford Excursion (Training Officer)	2005	6/5/2005	2016	Annual Project	\$58,060				
1803	Fit-Up	Equipment				Annual Project	\$15,000				
3015	155	Dodge Journey (Chief)	2011	3/4/2011	2019	Annual Project				\$31,586	
3015	Fit-Up	Equipment				Annual Project				\$15,000	
3022	140	Chev Tahoe (Dep Chief 1)	2013	12/11/2012	2023	Annual Project					
3022	Fit-Up	Equipment				Annual Project					
3023	210	GMC Pick Up (Command 1)	2013	12/28/2012	2020	Annual Project					\$35,856
3023	Fit-Up	Equipment				Annual Project					\$15,000
3024	120	Chev Box Van (Hazmat Support)	2012	11/23/2012	2021	Annual Project					
3024	Fit-Up	Equipment				Annual Project					
3030	210	Ford F250 (Command 2)	2015	12/29/2014	2022	Annual Project					
3030	Fit-Up	Equipment				Annual Project					
3035	140	Chev Tahoe (Dep Chief 2)	2015		2022	Annual Project					
3035	Fit-Up	Equipment				Annual Project					
3036	210	Ford F250 (Training)	2015		2022	Annual Project					
3036	Fit-Up	Equipment				Annual Project					

**Windsor Fire and Rescue Services: First Response Vehicle Replacement Schedule 2016-2020**

<b>Small Fleet Purchases - Vehicles &amp; Equipment</b>						<b>\$146,120</b>	<b>\$0</b>	<b>\$0</b>	<b>\$46,586</b>	<b>\$50,856</b>
<b>Total Capital Replacement Costs - All Vehicles - Excluding HST</b>						<b>\$146,120</b>	<b>\$646,134</b>	<b>\$0</b>	<b>\$46,586</b>	<b>\$50,856</b>
<b>Add: Unrecoverable HST (1.76%)</b>						<b>\$2,572</b>	<b>\$11,372</b>	<b>\$0</b>	<b>\$820</b>	<b>\$895</b>
<b>Grand Total Capital Replacement Costs - All Vehicles</b>						<b>\$148,692</b>	<b>\$657,506</b>	<b>\$0</b>	<b>\$47,406</b>	<b>\$51,751</b>
<b>Budget Submission</b>						<b>\$149,000</b>	<b>\$658,000</b>	<b>\$0</b>	<b>\$47,500</b>	<b>\$52,000</b>

**Notes:**

1. Large fleet vehicle projections assume 2.5% annual inflation and 20% foreign exchange rate on the US dollar. Replacements on a 15-year schedule from **in-service date**.
2. Truck to be taken out of service in 2015 but remain on replacement schedule as a spare engine. Replacement approved in principle for 2017 in 2015 Capital Budget. 2016 adjusted estimate increased for rise in US dollar.
3. Replacement schedule and estimated vehicle costs for all small fleet vehicles provided by Fleet. Several will require adjustment to actual useful lifespan.





## Project Summary

<b>Project #</b>	OPS-001-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Citywide Road Rehabilitation		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

Project Description				Version Description							
<p>Citywide rehabilitation and reconstruction of existing paved roads comprises of 1,069 km (2,387 lane km) including the E.C. Row Expwy. As of June 2015, 19.6% of the road system is rated 'Now' Deficient. The estimated replacement value of road is approx. \$1.88 billion. To prevent further deterioration of the roads, a minimum annual expenditure of \$40 - \$50 million is required. Industry standard life cycle is 35 years, thus this maintenance is an ongoing perpetual cost. Specific projects are to be approved by Council prior to proceeding. It should be noted that years 2016 and beyond are based on current assessed condition and applied asset management.</p>				<p>2016: Citywide Rehab (excl EC Row Rehab) = \$7,787,000 / EC Row Rehab = \$0            2017: Citywide Rehab (excl EC Row Rehab) = \$7,787,000 / EC Row Rehab = \$0            2018: Citywide Rehab (excl EC Row Rehab) = \$6,387,000 / EC Row Rehab = \$2,500,000            2019: Citywide Rehab (excl EC Row Rehab) = \$8,000,000 / EC Row Rehab = \$1,634,090            2020: Citywide Rehab (excl EC Row Rehab) = \$8,897,000 / EC Row Rehab = \$0</p> <p>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.</p>							
Project Comments/Reference				Version Comments							
<p>See Document Attached            (Closed: 7081001, 7091002, 7101001, 7111001, 7121001)            Active: 7122000 - St. Rose, 7131110, 7141025, 7151003/7161027</p>				<p>M329-2014 Include reconstruction of the 900 block of Louis Ave. to be part of city's 1-5 year capital budget. As a result Louis Ave.- Erie to Niagara has been included in the year 2019 as per document attached.            On November 2, 2015, City Council approved a pre-commitment of \$2,382,000 for Ontario St., Hall Ave., Everts Ave. and Langlois Ave. road rehabilitation.</p>							
Project Forecast				Project Detailed Forecast							
Year	Total Expense	Revenue		GL Account	2016	2017	2018	2019	2020	2021+	Total
		Net City Cost	Subsidies	<b>Expenses</b>							
2016	7,787,000	7,787,000	0	5410 Construction Contracts - TCA							
2017	7,787,000	7,787,000	0		7,787,000	7,787,000	8,887,000	9,634,090	8,897,000	120,000,000	162,992,090
2018	8,887,000	8,887,000	0								
2019	9,634,090	9,634,090	0								
2020	8,897,000	8,897,000	0								
2021+	120,000,000	120,000,000	0								
	<b>162,992,090</b>	<b>162,992,090</b>	<b>0</b>								
Historical Approved Budget				Revenues							
Year	Total Expense	Revenue									
		Net City Cost	Subsidies								
2007	4,450,000	4,450,000	0								
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								
				<b>Revenues</b>							
				176 Federal Gas Tax Rebate							
					7,787,000	7,787,000	8,887,000	9,634,090	8,897,000	120,000,000	162,992,090
					<b>Total : 7,787,000</b>	<b>7,787,000</b>	<b>8,887,000</b>	<b>9,634,090</b>	<b>8,897,000</b>	<b>120,000,000</b>	<b>162,992,090</b>



# Project Summary

<b>Project #</b>	OPS-001-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Citywide Road Rehabilitation		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

Related Projects			Operating Budget Impact			
Year Identified	Start Date	Project Type for 2016	Effective Date	Description	Exp/(Rev)	FTE Impact
		Project Title	Unknown	Any budget deferral in approved funding will result in an increase in the operating budget for temporary road repairs and patching.	0	0
2007	January 01, 2015	Growth:0.0% Maintenance:100.0%		Phong Nguy / Wade Bondy	Ongoing	

<b>PROPOSED 2016 ROAD REHABILITATION PROGRAM</b>				
<b>ITEM NO.</b>	<b>STREET</b>	<b>FROM</b>	<b>TO</b>	<b>REHAB. TYPE</b>
1	TECUMSEH RD W	CURRY AVE	PARTINGTON AVE	M
2	VIMY AVE	WALKER RD	KILDARE RD	R
3	LORAIN AVE	BYNG RD	KILDARE RD	R
4	VERDUN AVE	BYNG RD	KILDARE RD	R
5	ALSACE AVE	BYNG RD	KILDARE RD	M
6	ONTARIO ST	GEORGE AVE	HIGH ST	R
7	TECUMSEH RD E	HOWARD AVE	WALKER RD	M
8	HALL AVE	HANNA ST	TECUMSEH RD	R
9	EVERTS AVE	NORFOLK ST	NORTHERLY TO CUL-DE-SAC	R
10	GLADSTONE AVE	YPRES BLVD	MEMORIAL DR	R
11	LANGLOIS AVE	SHEPHERD ST	TECUMSEH RD	R
TOTAL CITYWIDE REHABILITATION			\$7,787,000.00	
E.C. ROW REHABILITATION			\$0.00	
<b>2016 TOTAL PROGRAM BUDGET</b>			<b>\$7,787,000.00</b>	

<b>M -</b>	<b>Mill and Pave</b>
<b>R -</b>	<b>Full Road Reconstruction</b>
<b>LIP</b>	<b>Reconstruction w/local improvement for curb</b>
<b>M/R</b>	<b>Mill &amp; Pave AND Road Reconstruction</b>
<b>M/EA</b>	<b>Mill &amp; Pave AND Expanded Asphalt</b>
<b>M/RC</b>	<b>Mill &amp; Pave AND Reconstruction of Curb &amp; Gutter</b>

NOTE: Road Segments may be reprioritized in coordination with WUC watermain projects and budgets.

PROPOSED 2017 ROAD REHABILITATION PROGRAM				
ITEM NO.	STREET	FROM	TO	REHAB. TYPE
1	HALL AVE	WYANDOTTE ST E	GILES BLVD	R
2	HOWARD AVE	LAKE TRAIL DR	TALBOT RD	M
3	MEADOWBROOK LN	HAWTHORNE DR	ESSEX WAY	M
4	GILES BLVD E	PARENT AVE	GLADSTONE AVE	M
5	ROONEY ST	PARTINGTON AVE	CAMPBELL AVE	R
6	RIVARD AVE	ROSE ST	QUEEN ELIZABETH DR	M
7	SOUTH CAMERON BLVD	WEST GRAND BLVD	HOWARD AVE	M / EA
8	DOWNING ST	GRANDVIEW ST	GRANDVIEW ST	M
9	ESPLANADE DR	LILAC LN	BEACHDALE	M
10	SCOTIA DR	AUSTEN DR	GRAND BLVD	M
11	BALDWIN AVE	MCMAHON AVE	GRANDVIEW ST	M
12	MCMAHON AVE	HAIG ST	GRANVIEW ST	M
13	JOINVILLE AVE	ARMSTRONG AVE	RIVARD AVE	M
14	LITTLER CRES	JOINVILLE AVE	SOUTHERLY TO CUL-DE-SAC	M
15	WILDWOOD DR	FOREST GLADE DR	FOREST GLADE DR	M
16	MIDFIELD CRES.	WILDWOOD DR	EASTERLY AROUND CRESCENT	M
17	HOLLY CRES	WILDWOOD DR	NORTHERLY AROUND CRESCENT	M
18	ROSEBRIAR RD	FOREST GLADE DR	WILDWOOD DR	M
19	ELMWOOD CRT	FOREST GLADE DR	ROSEBRIAR RD	M
20	KEATING CRES	BRIARBANK DR	BRIARBANK DR	M
TOTAL CITYWIDE REHABILITATION			\$7,787,000.00	
E.C. ROW REHABILITATION			\$0.00	
<b>2017 TOTAL PROGRAM BUDGET</b>			<b>\$7,787,000.00</b>	

M -	Mill and Pave
R -	Full Road Reconstruction
LIP	Reconstruction w/local improvement for curb
M/R	Mill & Pave AND Road Reconstruction
M/EA	Mill & Pave AND Expanded Asphalt
M/RC	Mill & Pave AND Reconstruction of Curb & Gutter

NOTE: Road Segments may be reprioritized in coordination with WUC watermain projects and budgets.

<b>PROPOSED 2018 ROAD REHABILITATION PROGRAM</b>				
<b>ITEM NO.</b>	<b>STREET</b>	<b>FROM</b>	<b>TO</b>	<b>REHAB. TYPE</b>
1	CABANA RD	LONGFELLOW AVE	HOWARD AVE	M / EA
2	HALPIN RD	MULBERRY RD	WILDWOOD DR	M
3	PARK ST W	BRUCE AVE	CARON AVE	R
4	TECUMSEH RD E	HIGHLAND AVE	HOWARD AVE	R
5	ASPEN LANE	PINEVIEW CRES.	EASTERLY AROUND CRESCENT	M
6	LONSDALE CRES	DEERBROOK DR	DEERBROOK DR	M
7	HALSTEAD CRES	DEERBROOK DR	DEERBROOK DR	M
8	PALMS CRES	DEERBROOK DR	DEERBROOK DR	M
9	DOLPHIN CRT	PALMS CRES	WESTERLY TO CUL-DE-SAC	M
10	TECUMSEH RD W	PARTINGTON AVE	HURON CHURCH	R
11	EUGENIE ST	OUELLETTE AVE	HOWARD AVE	M
12	ALTEN DR.	REGIS AVE	ASHLAND DR.	M
13	ASHLAND DR.	REGIS AVE.	BEACHDALE RD.	M
14	BEACHDALE RD.	ESPLANADE DR	WILDWOOD DR.	M
15	REGIS AVE.	BEACHDALE RD.	WILDWOOD DR.	M
16	RYERSON RD.	REGIS AVE.	ASHLAND DR.	M
TOTAL CITYWIDE REHABILITATION			\$6,387,000.00	
E.C. ROW REHABILITATION			\$2,500,000.00	
<b>2018 TOTAL PROGRAM BUDGET</b>			<b>\$8,887,000.00</b>	

<b>M -</b>	<b>Mill and Pave</b>
<b>R -</b>	<b>Full Road Reconstruction</b>
<b>LIP</b>	<b>Reconstruction w/local improvement for curb</b>
<b>M/R</b>	<b>Mill &amp; Pave AND Road Reconstruction</b>
<b>M/EA</b>	<b>Mill &amp; Pave AND Expanded Asphalt</b>
<b>M/RC</b>	<b>Mill &amp; Pave AND Reconstruction of Curb &amp; Gutter</b>

**NOTE:** Road Segments may be reprioritized in coordination with WUC watermain projects and budgets.

<b>PROPOSED 2019 ROAD REHABILITATION PROGRAMME</b>				
<b>ITEM NO.</b>	<b>STREET</b>	<b>FROM</b>	<b>TO</b>	<b>REHAB. TYPE</b>
1	ELLIS ST	GLADSTONE AVE	PARENT AVE	R
2	LOUIS AVE	ERIE ST	NIAGARA ST	R
3	COLLEGE AVE	CAMPBELL AVE	CRAWFORD AVE	M/R
4	EASTLAWN AVE	WYANDOTTE ST E	SOUTHERLY TO CUL-DE-SAC	R
5	GRAND MARAIS RD	DOMINION BLVD	DOUGALL AVE	R
6	PETER ST	SOUTH ST	JOHN B ST	R
7	PETER ST	DETROIT ST	BROCK ST	R
8	CABANA RD	LONGFELLOW AVE	HOWARD AVE	M / EA
TOTAL CITYWIDE REHABILITATION			\$8,000,000.00	
E.C. ROW REHABILITATION			\$1,634,090.00	
<b>2019 TOTAL PROGRAM BUDGET</b>			<b>\$9,634,090.00</b>	

<b>M -</b>	<b>Mill and Pave</b>
<b>R -</b>	<b>Full Road Reconstruction</b>
<b>LIP</b>	<b>Reconstruction w/local improvement for curb</b>
<b>M/R</b>	<b>Mill &amp; Pave AND Road Reconstruction</b>
<b>M/EA</b>	<b>Mill &amp; Pave AND Expanded Asphalt</b>
<b>M/RC</b>	<b>Mill &amp; Pave AND Reconstruction of Curb &amp; Gutter</b>

NOTE: Road Segments may be reprioritized in coordination with WUC watermain projects and budgets.

<b>PROPOSED 2020 ROAD REHABILITATION PROGRAMME</b>				
<b>ITEM NO.</b>	<b>STREET</b>	<b>FROM</b>	<b>TO</b>	<b>REHAB. TYPE</b>
1	HUNTINGTON AVE	GRANADA AVE	CABANA RD	M
2	FOCH AVE	MCDOUGALL ST	HOWARD AVE	M
3	LOGAN AVE	MCDOUGALL ST	HOWARD AVE	R
4	MERCER ST	TECUMSEH RD E	S. OF FOCH AVE	R
5	HOWARD AVE	TECUMSEH RD E	S. OF FOCHAVE	M
6	LINCOLN RD	NIAGARA ST	OTTAWA ST	M
7	LINCOLN RD	ASSUMPTION ST	WYANDOTTE ST E	R
8	LEDYARD AVE	WALKER RD	WOODWARD AVE	LIP
9	BYNG RD	LEDYARD AVE	DIVISION RD	LIP
10	TURNER RD	LEDYARD AVE	DIVISION RD	LIP
11	LONGFELLOW AVE	WEST GRAND BLVD	CABANA RD	M
12	TURNER RD	CALDERWOOD AVE	FOSTER AVE	LIP
13	SOMME AVE	FRANCOIS RD	ARTHUR RD	M
14	RIBERDY RD	FOSTER AVE	MELINDA CRT	LIP
15	RANDOLPH AVE	RIVERSIDE DR W	UNIVERSITY AVE	R
16	MILL ST	RUSSELL ST	SANDWICH ST	R
TOTAL CITYWIDE REHABILITATION			\$8,897,000.00	
E.C. ROW REHABILITATION			\$0.00	
<b>2020 TOTAL PROGRAM BUDGET</b>			<b>\$8,897,000.00</b>	

<b>M -</b>	<b>Mill and Pave</b>
<b>R -</b>	<b>Full Road Reconstruction</b>
<b>LIP</b>	<b>Reconstruction w/local improvement for curb</b>
<b>M/R</b>	<b>Mill &amp; Pave AND Road Reconstruction</b>
<b>M/EA</b>	<b>Mill &amp; Pave AND Expanded Asphalt</b>
<b>M/RC</b>	<b>Mill &amp; Pave AND Reconstruction of Curb &amp; Gutter</b>

NOTE: Road Segments may be reprioritized in coordination with WUC watermain projects and budgets.



## Project Summary

<b>Project #</b>	OPS-003-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Bridge Rehabilitation		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

Project Description	Version Description																																												
<p>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 60 bridges, 11 culverts with spans greater than 3m, 6 pedestrian bridges, and 1 subway. An annual expenditure of \$12 million is required to replace these bridges on a 50 to 75 year cycle.</p> <p>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.</p>	<p>2016: \$4 million - EC Row W/B @ Walker (#142), Wyandotte @ CPR (#115)            2017: \$4 million - CN @ E/B Collector (#144), CN @ W/B Collector (#146), EC Row @ Conservation (#138), Tecumseh at Little River (#155), Riverside at Little River (#157)            2018: \$2.5 million - Curry @ Grand Marais Drain (#118), University @ CPR (#114), Mark @ EC Row (#301), Academy @ EC Row (#302), Glenwood @ Grand Marais Drain (#304)            2019: \$3.2 million - EC Row at Dominion E/B (#116) and W/B (#117), Riverside @ CPR (#113)            2020: \$3 million - Wyandotte @ CNR (#206)            *Note: \$15 million (+/-) is required for the replacement of this structure, funding approved in 2020 will be added to future funding and accumulated until we have enough funding to complete the replacement</p>																																												
Project Comments/Reference	Version Comments																																												
<p>E.C. ROW PROJECTS:            (Closed: 7081025/7091023/7091024/7101004/7101011)            Active: 7111003/7111021/7141026/7141027 Conrail Bridge/ 7141047 Bridge Rehab/ 7151002/7151009/7161028</p> <p>BRIDGE PROJECTS:            (Closed: 7081025 / 7091024 / 7101004)            Open Projects: 7111003 / 7141047 / 7151009</p>	<p>NOTE: The E.C. Row Rehabilitation Project OPS-002-07 has now been closed. The budget requests for rehabilitation work for bridges/structures on E.C. Row have been consolidated into the existing city-wide bridge rehabilitation project OPS-003-07 and requests for rehabilitation work for the E.C. Row roadway have been consolidated into the existing city-wide road rehabilitation project OPS-001-07.</p> <p>HISTORICAL APPROVED BUDGETS - E.C. ROW REHABILITATION (OPS-002-07):</p> <table border="1"> <thead> <tr> <th></th> <th>EXPENSE</th> <th colspan="2">REVENUE</th> </tr> <tr> <th></th> <th>Total</th> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr> <td>2007</td> <td>\$500,000</td> <td>\$500,000</td> <td>\$0</td> </tr> <tr> <td>2008</td> <td>\$500,000</td> <td>\$500,000</td> <td>\$0</td> </tr> <tr> <td>2009</td> <td>\$1,000,000</td> <td>\$1,000,000</td> <td>\$0</td> </tr> <tr> <td>2010</td> <td>\$1,000,000</td> <td>\$1,000,000</td> <td>\$0</td> </tr> <tr> <td>2011</td> <td>\$600,000</td> <td>\$600,000</td> <td>\$0</td> </tr> <tr> <td>2012</td> <td>\$0</td> <td>\$0</td> <td>\$0</td> </tr> <tr> <td>2013</td> <td>\$0</td> <td>\$0</td> <td>\$0</td> </tr> <tr> <td>2014</td> <td>\$6,000,000</td> <td>\$4,000,000</td> <td>\$2,000,000</td> </tr> <tr> <td>2015</td> <td>\$3,000,000</td> <td>\$3,000,000</td> <td>\$0</td> </tr> </tbody> </table>		EXPENSE	REVENUE			Total	Net City Cost	Subsidies	2007	\$500,000	\$500,000	\$0	2008	\$500,000	\$500,000	\$0	2009	\$1,000,000	\$1,000,000	\$0	2010	\$1,000,000	\$1,000,000	\$0	2011	\$600,000	\$600,000	\$0	2012	\$0	\$0	\$0	2013	\$0	\$0	\$0	2014	\$6,000,000	\$4,000,000	\$2,000,000	2015	\$3,000,000	\$3,000,000	\$0
	EXPENSE	REVENUE																																											
	Total	Net City Cost	Subsidies																																										
2007	\$500,000	\$500,000	\$0																																										
2008	\$500,000	\$500,000	\$0																																										
2009	\$1,000,000	\$1,000,000	\$0																																										
2010	\$1,000,000	\$1,000,000	\$0																																										
2011	\$600,000	\$600,000	\$0																																										
2012	\$0	\$0	\$0																																										
2013	\$0	\$0	\$0																																										
2014	\$6,000,000	\$4,000,000	\$2,000,000																																										
2015	\$3,000,000	\$3,000,000	\$0																																										





# Project Summary

<b>Project #</b>	OPS-003-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Bridge Rehabilitation		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

Project Forecast		Revenue	
Year	Total Expense	Net City Cost	Subsidies
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	3,000,000	3,000,000	0
2021+	50,000,000	50,000,000	0
	<b>66,700,000</b>	<b>66,700,000</b>	<b>0</b>

Historical Approved Budget		Revenue	
Year	Total Expense	Net City Cost	Subsidies
2007	1,550,000	1,550,000	0
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

Related Projects		Project Title
Year Identified	Start Date	Project Type for 2016
2007	January 01, 2016	Growth:0.0% Maintenance:100.0%

Project Detailed Forecast							
GL Account	2016	2017	2018	2019	2020	2021+	Total
<b>Expenses</b>							
5410 Construction Contracts - TCA							
	4,000,000	4,000,000	2,500,000	3,200,000	3,000,000	50,000,000	66,700,000
Total :	4,000,000	4,000,000	2,500,000	3,200,000	3,000,000	50,000,000	66,700,000
<b>Revenues</b>							
176 Federal Gas Tax Rebate							
	4,000,000	4,000,000	2,500,000	3,200,000	3,000,000	50,000,000	66,700,000
Total :	4,000,000	4,000,000	2,500,000	3,200,000	3,000,000	50,000,000	66,700,000

Operating Budget Impact			
Effective Date	Description	Exp/(Rev)	FTE Impact
Unknown	Any budget deferral in approved funding will result in increased operating costs for temporary repairs, patching and unscheduled maintenance as required.	0	0

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2007	January 01, 2016	Growth:0.0% Maintenance:100.0%	Phong Nguy	Ongoing



## Project Summary

<b>Project #</b>	OPS-004-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Sidewalk Rehabilitation		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

Project Description	Version Description
<p>This program covers the rehabilitation of existing concrete sidewalks citywide. There are 927 kms of sidewalks in the City, of which 16 kms are in "Poor" condition and 142 kms are in "Fair" condition. Based on a 40-year replacement cycle, the perpetual annual cost for the preservation of this infrastructure is approximately \$2.1 million. This would be in addition to the approximately \$14 million required to address all "Poor" and "Fair" sidewalks. Over the past several years, trip and fall claims have increased dramatically and funding should be increased from a risk management point of view.</p> <p>Effective January 1, 2016, the Accessibility for Ontarians with Disabilities Act (AODA) required width of sidewalks will increase from 1.2 meters to 1.5 meters. This change will increase the costs associated with future sidewalk replacement by approximately 27%. As we begin implementing the change required, Administration will consider increased costs in future projections formulated for budget consideration.</p>	<p>Because the 5-Year Capital Budget does not fully address immediate needs, the annual sidewalk inspection and assessment as well as additional liability claims will influence replacements in 2016 and beyond. There are insufficient capital funds available in this program to complete the identified rehabilitations detailed on the attached list of sidewalks in "poor" condition which will lead to additional liability claims. CR131/2014, Report 17162 approved new Municipal Funding Agreement for the Gas Tax Funds in the years 2014-2018. As a result additional Gas Tax funds received are allocated to this project freeing up F169 Pay-As-You-Go funds earmarked for the Fire Hall #8.</p>
Project Comments/Reference	Version Comments
<p>See Document Attached</p> <p>(Closed: 7091025 / 7101003 / 7111022 / 7121007 / 7131115) Active: 7141028 / 7151011 / 7161029</p>	



# Project Summary

<b>Project #</b>	OPS-004-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Sidewalk Rehabilitation		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

Project Forecast			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2016	500,000	500,000	0
2017	500,000	500,000	0
2018	0	0	0
2019	500,000	500,000	0
2020	500,000	500,000	0
2021+	16,500,000	16,500,000	0
	<b>18,500,000</b>	<b>18,500,000</b>	<b>0</b>

Historical Approved Budget			
Year	Total Expense	Revenue	
		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

Related Projects		
Year Identified	Start Date	Project Type for 2016
2007	January 02, 2015	Growth:0.0% Maintenance:100.0%

Project Detailed Forecast							
GL Account	2016	2017	2018	2019	2020	2021+	Total
<b>Expenses</b>							
5410 Construction Contracts - TCA							
	500,000	500,000	0	500,000	500,000	16,500,000	18,500,000
Total :	500,000	500,000	0	500,000	500,000	16,500,000	18,500,000
<b>Revenues</b>							
169 Pay As You Go - Capital Reserve							
	0	0	0	500,000	500,000	16,500,000	17,500,000
176 Federal Gas Tax Rebate							
	500,000	500,000	0	0	0	0	1,000,000
Total :	500,000	500,000	0	500,000	500,000	16,500,000	18,500,000

Operating Budget Impact			
Effective Date	Description	Exp/(Rev)	FTE Impact
Unknown	Insufficient budget approval will result in increased operating costs and claims.	0	0

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2007	January 02, 2015	Growth:0.0% Maintenance:100.0%	Phong Nguy	Ongoing

## PROPOSED SIDEWALK REHABILITATION 5 YEAR PROGRAM 2016 - 2020

ITEM NO.	STREET	FROM	TO	SIDE OF STREET
1	ARGYLE	TUSCARORA	CATARAQUI	E/W
2	BERNARD	GRAND MARAIS	JOINVILLE	W
3	BLOOMFIELD	BROCK	ST. ANTOINE	E
4	BLOOMFIELD	CHIPPAWA	SOUTH	E/W
6	BRIDGE	TECUMSEH	PELLETIER	E/W
7	CAMPBELL	UNIVERSITY	WYANDOTTE ST. W.	E/W
8	CATARAQUI	MONMOUTH	ARGYLE	S
9	CHAPPELL	SANDWICH	PETER	N
10	CHATHAM	LANGLOIS	PARENT	N/S
11	CHATHAM	OUELLETTE	GOYEAU	N
12	CHILVER	OTTAWA	ONTARIO	E/W
14	CHURCH	PINE	GROVE	E/W
15	CHURCH	GROVE	GILES	E/W
16	CRAWFORD	ERIE	GROVE	W
17	DEERBROOK	3559 DEERBROOK	LONSDALE	S
18	DEERBROOK	LONSDALE	LONSDALE	S
19	DEERBROOK	PALMS	PALMS	N

ITEM NO.	STREET	FROM	TO	SIDE OF STREET
20	DEERBROOK	PALMS	HALSTEAD	N
21	DEERBROOK	PALMS	WILDWOOD	S
22	DEERBROOK	HALSTEAD	WILDWOOD	S
23	DOMINION	WEST GRAND	NORFOLK	W
24	DROUILLARD	WYANDOTTE	EDNA	E/W
26	EDNA	WALKER	MONTREUIL	S
27	ELLIS	BRUCE	MCDUGALL	N/S
28	ELM	WYANDOTTE	DEAD END	E
29	ELSMERE	ELLIOT	NIAGARA	E/W
30	ELSMERE	NIAGARA	ERIE	E/W
31	ERIE	HALL	MOY	N/S
32	ERIE	MOY	GLADSTONE	N/S
33	ERIE	GLADSTONE	LINCOLN	N/S
34	ERIE	LINCOLN	ERIE	N/S
35	FAUST	HIGH	LAURENDEAU	S
36	FORD	LASSALINE	CORONATION	E/W
37	FOREST GLADE	MULBERRY	ELMWOOD	E
38	FOREST GLADE	WILDWOOD	LAUZON	S
39	FRANCOIS	DEAD END	FRANKLIN	E

ITEM NO.	STREET	FROM	TO	SIDE OF STREET
40	FRANCOIS	ALICE	REGINALD	W
41	GEORGE	FRANKLIN	METCALFE	W
42	GRAND	PILLETTE	PRINCESS	N
43	GRAND MARAIS	ALLYSON	GEORGE	N
44	GRANDVIEW	MCMAHON	2997 GRANDVIEW	S
45	HANNA	YORK	BRUCE	S
46	HOWARD	HYDE	LOGAN	E
47	HOWARD	SOUTH CAMERON	KENILWORTH	E
48	HOWARD	KENILWORTH	MAGUIRE	E
49	HOWARD	MAGUIRE	SANDISON	E
50	HURON CHURCH	MALDEN	NORTHWOOD	E
51	JEFFERSON	TECUMSEH	ROSE	E
52	JEFFERSON	LASSALINE	1867 JEFFERSON	W
53	KILDARE	WYANDOTTE	TUSCARORA	E/W
54	KILDARE	LENS	VIMY	W
55	KILDARE	VIMY	YPRES	W
56	LABADIE	SEMINOLE	REGINALD	W
57	LANGLOIS	HANNA	HANNA	W
58	LAURENDEAU	FAUST	ONTARIO	E

ITEM NO.	STREET	FROM	TO	SIDE OF STREET
59	LAUZON	MCHUGH	TECUMSEH/EASTTOWN MALL	W
60	LAUZON	QUALITY WAY	E C ROW	W
61	LOCKE	LYNN	3850 LOCKE (@ SOUTH P/L)	E
62	LONGFELLOW	GRAND MARAIS	LONGFELLOW	W
63	LOUIS	CATARAQUI	ELLIOT	E/W
64	LOUIS	ELLIOT	NIAGARA	E/W
65	LOUIS	NIAGARA	958 LOUIS	E/W
66	MARION	ERIE	NIAGARA	E/W
67	MATCHETTE	STRATHMORE	CUL DE SAC	E/W
68	MCDOUGALL	MONARCH	HOLDEN	W
69	MEADOWBROOK	ESSEX WAY	3141 MEADOWBROOK	W
70	MERCER	HANNA	TECUMSEH	E
71	METCALFE	HENRY FORD CENTRE	METCALFE	S
72	MONMOUTH	TUSCARORA	CATARAQUI	E/W
73	MONMOUTH	CATARAQUI	NIAGARA	E/W
74	MONTROSE	OUELLETTE	PELISSIER	N/S
75	MOY	TECUMSEH	LENS	E
76	NORTH TALBOT	SIXTH CONCESSION	PIONEER AVE	N
77	OUELLETTE	WYANDOTTE	TUSCARORA	E/W

ITEM NO.	STREET	FROM	TO	SIDE OF STREET
79	OUELLETTE	TUSCARORA	ELLIOTT	E/W
80	PARTINGTON	843 PARTINGTON	WYANDOTTE	W
81	PARTINGTON	TECUMSEH	ALGONQUIN	W
82	PILLETTE	WYANDOTTE ST. E.	ONTARIO	E/W
83	PITT	FERRY	DOUGALL	S
84	PITT	BRUCE	JANETTE	N
85	PLYMOUTH	ROBERT	PILLETTE	N
86	PRATT	RIVERSIDE	WYANDOTTE	W
87	RANDOLPH	COLLEGE LOOP	VERCHERES	E
88	RANDOLPH	TECUMSEH	SECORD	E/W
89	RIVARD	ROSE	JOINVILLE	W
90	RIVARD	JOINVILLE	HAIG	W
	RIVARD	HAIG	GRAND	W
91	RIVERSIDE	WATSON	DIEPPE	S
92	RIVERSIDE	DIEPPE	RIVERDALE	S
93	ROSEBRIAR	FOREST GLADE	MULBERRY	W
94	SANDWICH	52M S/O JOHN B	PROSPECT	W
95	SEMINOLE	WALKER	ST LUKE	N
96	SOMME	MELDRUM	CENTRAL	N



ITEM NO.	STREET	FROM	TO	SIDE OF STREET
97	SOUTHDALE	GRAND MARAIS	SLATER	W
98	ST. JOSEPH	PETER	BABY	W
99	ST. LOUIS	WYANDOTTE ST. E.	ONTARIO	E/W
100	ST. LUKE	MILLOY	TECUMSEH	E/W
101	ST. PAUL	WYANDOTTE	ST. ROSE	E/W
102	TECUMSEH	PARKWOOD	HALL	S
103	TECUMSEH	BYNG	TURNER	S
104	TECUMSEH	HOWARD	MARENTETTE	S
105	TECUMSEH	SOUTH PACIFIC	MUNICIPAL LANE	N
106	TRENTON	DROUILLARD	CADILLAC (HENRY FORD CENTRE)	N
107	TURNER	VIMY	YPRES	E/W
108	UNIVERSITY	ROSEDALE	INDIAN	S
109	WALKER	1030 WALKER	NIAGARA	E
110	WINDERMERE	TECUMSEH	LENS	W
111	WINDSOR	WYANDOTTE	TUSCARORA	W
112	WINDSOR	TUSCARORA	ELLIOTT	W
113	WINDSOR	ELLIOTT	ERIE	E/W
115	WOODLAWN	LENS	VIMY	E/W
116	WYANDOTTE	PELISSIER	VICTORIA	S

ITEM NO.	STREET	FROM	TO	SIDE OF STREET
117	WYANDOTTE	CRAWFORD	OAK	N
N	NORTH SIDE			
S	SOUTH SIDE			
E	EAST SIDE			
W	WEST SIDE			
<p><b>NOTE: The above list is not presented in priority order. Priority of work will be assessed annually in preparation for issuance of annual tenders.</b></p>				
<p><b>NOTE: Sidewalk Segments may be reprioritized in coordination with other Capital Projects, Road Rehabs and WUC watermain projects and budgets</b></p>				
<p><b>NOTE: Sidewalk Segments may be added to the above list as new inspection data becomes available annually.</b></p>				



# Project Summary

<b>Project #</b>	OPS-005-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<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		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version 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>Project Comments/Reference</b>				<b>Version Comments</b>							
7045005											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	100,000	100,000	0	0	200,000
2018	100,000	50,000	50,000	Total :	0	0	100,000	100,000	0	0	200,000
2019	100,000	50,000	50,000	<b>Revenues</b>							
2020	0	0	0	169 Pay As You Go - Capital Reserve	0	0	50,000	50,000	0	0	100,000
2021+	0	0	0	6735 Recovery Of Expenses EXTERNAL	0	0	50,000	50,000	0	0	100,000
	<b>200,000</b>	<b>100,000</b>	<b>100,000</b>	Total :	0	0	100,000	100,000	0	0	200,000
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
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								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
				No Operating Budget Impact							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2007	January 01, 2018	Growth: Maintenance:		Phong Nguy				Ongoing			



# Project Summary

<b>Project #</b>	OPS-006-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<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		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
<p>This program is used to provide improvements and upgrades 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 in these upgrades with the railways. Placeholder amount to be used as needs arise. There are annual federal cost sharing opportunities available for at-grade rail crossing upgrades. Due to amendments to the Grade Crossing Regulations introduced by Transport Canada in 2014, all required upgrades to at-grade crossings will need to be completed by November 2021. In order to increase our opportunity to receive federal cost sharing, Administration recommends that required upgrades be identified, applicable funding be applied for, and required upgrades scheduled as early as possible. It is anticipated that an additional \$600,000 will be required to complete the upgrades and bring all the at-grade crossings up to standards.</p>				<p>2016: CR94/2015 (Report #17672) pre-committed \$100,000 in 2016 for the VIA Rail Crossing at Jefferson Blvd. The projected total cost inclusive of engineering for this work is \$200,000 with a recovery of 50% from the Federal Government.</p> <p>Other Proposed Railway Crossings:</p> <ul style="list-style-type: none"> <li>- Howard/South Cameron</li> <li>- Pillette</li> <li>- Walker Road at the VIA station</li> </ul>							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7085009											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	200,000	100,000	100,000	5410 Construction Contracts - TCA							
2017	100,000	100,000	0		200,000	100,000	275,000	450,000	25,000	1,000,000	2,050,000
2018	275,000	137,500	137,500	<b>Total :</b>	200,000	100,000	275,000	450,000	25,000	1,000,000	2,050,000
2019	450,000	225,000	225,000	<b>Revenues</b>							
2020	25,000	12,500	12,500	169 Pay As You Go - Capital Reserve							
2021+	1,000,000	600,000	400,000		100,000	100,000	137,500	225,000	12,500	600,000	1,175,000
	<b>2,050,000</b>	<b>1,175,000</b>	<b>875,000</b>	6320 Canada Specific Grants	100,000	0	0	0	0	0	100,000
				6735 Recovery Of Expenses EXTERNAL	0	0	137,500	225,000	12,500	400,000	775,000
				<b>Total :</b>	200,000	100,000	275,000	450,000	25,000	1,000,000	2,050,000
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
2008	62,500	50,000	12,500	No Operating Budget Impact							
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								
<b>Related Projects</b>											
<b>Follows</b>	<b>Project Title</b>										
OPS-004-16	Rail Crossing Safety Assessments										



## Project Summary

<b>Project #</b>	OPS-006-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<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		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2007	January 01, 2018	Growth:0.0% Maintenance:100.0%	Phong Nguy	Ongoing



# Project Summary

<b>Project #</b>	OPS-009-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Traffic Ops, Parking & Trans. Planning
<b>Title</b>	Transportation Planning Environmental Study Reports (ESRs)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<table border="1"> <tr> <th>Project Description</th> </tr> <tr> <td>Ongoing allocation to provide funds for Environmental Study Reports (ESR) as approved by CR148/2001. Prioritized list for ESRs are: 2016: Central Box Finalizing 2016: E.C. Row Expressway EA 2017: E.C. Row Expressway EA 2019: Truck Route Study, Active Transportation Master Plan 2020: Transportation Master Plan 2021+: Central (Tecumseh to E.C. Row), Jefferson (Rose to Airport Lands), Sprucewood/Matchette, Ojibway Pkwy. (Pkwy. to City Limits), Lauzon Pkwy. (Tecumseh to E.C. Row)</td> </tr> </table>	Project Description	Ongoing allocation to provide funds for Environmental Study Reports (ESR) as approved by CR148/2001. Prioritized list for ESRs are: 2016: Central Box Finalizing 2016: E.C. Row Expressway EA 2017: E.C. Row Expressway EA 2019: Truck Route Study, Active Transportation Master Plan 2020: Transportation Master Plan 2021+: Central (Tecumseh to E.C. Row), Jefferson (Rose to Airport Lands), Sprucewood/Matchette, Ojibway Pkwy. (Pkwy. to City Limits), Lauzon Pkwy. (Tecumseh to E.C. Row)	<table border="1"> <tr> <th>Version Description</th> </tr> <tr> <td>ESRs typically extend beyond one year in duration (range from \$70,000 - \$500,000 per study). The proposed annual budget is insufficient to tackle a single typical ESR in one year and budgets are accumulated in order to initiate a project.  The 2015 Central Box project is expected to overlap into 2016.</td> </tr> </table>	Version Description	ESRs typically extend beyond one year in duration (range from \$70,000 - \$500,000 per study). The proposed annual budget is insufficient to tackle a single typical ESR in one year and budgets are accumulated in order to initiate a project.  The 2015 Central Box project is expected to overlap into 2016.																																																																																																																	
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Project Forecast	Revenue																																																																																																																					
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2017	100,000	100,000	0																																																																																																																			
2018	0	0	0																																																																																																																			
2019	100,000	100,000	0																																																																																																																			
2020	100,000	100,000	0																																																																																																																			
2021+	1,500,000	1,500,000	0																																																																																																																			
	<b>1,900,000</b>	<b>1,900,000</b>	<b>0</b>																																																																																																																			
Project Detailed Forecast	GL Account	2016	2017	2018	2019	2020	2021+	Total																																																																																																														
<b>Expenses</b>																																																																																																																						
	2950 Other Prof Services-External																																																																																																																					
		100,000	100,000	0	100,000	100,000	1,500,000	1,900,000																																																																																																														
	Total :	100,000	100,000	0	100,000	100,000	1,500,000	1,900,000																																																																																																														
<b>Revenues</b>																																																																																																																						
	169 Pay As You Go - Capital Reserve																																																																																																																					
		100,000	100,000	0	100,000	100,000	1,500,000	1,900,000																																																																																																														
	Total :	100,000	100,000	0	100,000	100,000	1,500,000	1,900,000																																																																																																														
<table border="1"> <tr> <th>Historical Approved Budget</th> <th colspan="3">Revenue</th> </tr> <tr> <th>Year</th> <th>Total Expense</th> <th>Net City Cost</th> <th>Subsidies</th> </tr> <tr> <td>2007</td> <td>200,000</td> <td>200,000</td> <td>0</td> </tr> <tr> <td>2008</td> <td>200,000</td> <td>200,000</td> <td>0</td> </tr> <tr> <td>2009</td> <td>200,000</td> <td>200,000</td> <td>0</td> </tr> <tr> <td>2011</td> <td>250,000</td> <td>250,000</td> <td>0</td> </tr> <tr> <td>2012</td> <td>100,000</td> <td>100,000</td> <td>0</td> </tr> <tr> <td>2014</td> <td>100,000</td> <td>100,000</td> <td>0</td> </tr> <tr> <td>2015</td> <td>100,000</td> <td>100,000</td> <td>0</td> </tr> </table>	Historical Approved Budget	Revenue			Year	Total Expense	Net City Cost	Subsidies	2007	200,000	200,000	0	2008	200,000	200,000	0	2009	200,000	200,000	0	2011	250,000	250,000	0	2012	100,000	100,000	0	2014	100,000	100,000	0	2015	100,000	100,000	0	<table border="1"> <tr> <th>Operating Budget Impact</th> <th>Effective Date</th> <th>Description</th> <th>Exp/(Rev)</th> <th>FTE Impact</th> </tr> <tr> <td></td> <td>Unknown</td> <td>The results of the ESRs could influence the operating expenses for the related capital projects.</td> <td>0</td> <td>0</td> </tr> </table>	Operating Budget Impact	Effective Date	Description	Exp/(Rev)	FTE Impact		Unknown	The results of the ESRs could influence the operating expenses for the related capital projects.	0	0																																																																							
Historical Approved Budget	Revenue																																																																																																																					
Year	Total Expense	Net City Cost	Subsidies																																																																																																																			
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2008	200,000	200,000	0																																																																																																																			
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<table border="1"> <tr> <th>Related Projects</th> <th>Project Title</th> </tr> <tr> <td></td> <td></td> </tr> </table>	Related Projects	Project Title																																																																																																																				
Related Projects	Project Title																																																																																																																					



## Project Summary

<b>Project #</b>	OPS-009-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Traffic Ops, Parking & Trans. Planning
<b>Title</b>	Transportation Planning Environmental Study Reports (ESRs)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2007	January 02, 2015	Growth:25.0% Maintenance:75.0%	Josette Eugeni	Ongoing



# Project Summary

<b>Project #</b>	OPS-010-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Traffic Ops, Parking & Trans. Planning
<b>Title</b>	Traffic Signal System Upgrade		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>								
Council approved upgrading of 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 and hence, this project will be ongoing.				The requested funds will be used for continued upgrading of traffic controller equipment to the 2070 controller. This includes upgrading the communication system to Ethernet from serial via fiber, VDSC, and broadband, implementation of central system modules, beginning with upgrades of KITS/ATMS to version 14.8 (\$165,000) (currently underway), video detection data collector (\$155,000), AutoScope Image Collector / Distribution (\$40,000), Travel Time Monitoring (\$75,000), Adaptive Traffic (\$600,000), and other features, continued installation of CCTV Camera expansion and ITS components associated with the system.								
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
7003326												
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	200,000	200,000	0	5410 Construction Contracts - TCA								
2017	200,000	200,000	0		200,000	200,000	600,000	600,000	600,000	2,000,000	4,200,000	
2018	600,000	600,000	0	<b>Total :</b>	<b>200,000</b>	<b>200,000</b>	<b>600,000</b>	<b>600,000</b>	<b>600,000</b>	<b>2,000,000</b>	<b>4,200,000</b>	
2019	600,000	600,000	0	<b>Revenues</b>								
2020	600,000	600,000	0	176 Federal Gas Tax Rebate								
2021+	2,000,000	2,000,000	0		200,000	200,000	600,000	600,000	600,000	2,000,000	4,200,000	
	<b>4,200,000</b>	<b>4,200,000</b>	<b>0</b>	<b>Total :</b>	<b>200,000</b>	<b>200,000</b>	<b>600,000</b>	<b>600,000</b>	<b>600,000</b>	<b>2,000,000</b>	<b>4,200,000</b>	
<b>Historical Approved Budget</b>												
		<b>Revenue</b>										
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>									
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									
<b>Related Projects</b>				<b>Operating Budget Impact</b>								
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>	<b>Exp/(Rev)</b>	<b>FTE Impact</b>					
				No Operating Budget Impact								
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>				
2007	January 01, 2015	Growth:0.0% Maintenance:100.0%		John Wolf				Ongoing				





## Project Summary

<b>Project #</b>	OPS-012-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Traffic Ops, Parking & Trans. Planning
<b>Title</b>	Traffic Signals Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<p><b>Project Description</b></p> <p>This project covers new and existing signals, pedestrian signals, and signal system upgrades required to ensure a safe operating system for the user. There are 287 existing signalized intersections and the average life cycle of a signalized intersection is 20 years. Currently, there are 36 signalized intersections 30 years old or older, and an additional 93 intersections that are 20 years old or older. All of these intersections are on the waiting list for upgrades at this time. The average material cost ranges from \$45,000 to \$55,000 and the average civil construction related costs average \$40,000 to \$70,000; therefore, an average of \$85,000 - \$125,000 per upgrade is required. In 2016, 130 signalized intersections will need to be upgraded to ensure all signalized intersections are within the 20 year life cycle. Afterwards, an average of 15 signals per year will need to be upgraded to meet the scheduled replacements. At a minimum, controller cabinets and devices should be replaced in this lifecycle.</p>	<p><b>Version Description</b></p> <p>In 2016, funds will be used for upgrading local intersection above ground equipment, including controller cabinets and devices (\$10,000 per location on average), poles, mastarms, etc., as well as underground plant and infrastructure. When sufficient funds become available, intersection upgrades will also be completed.</p>
<p><b>Project Comments/Reference</b></p> <p>7045076 See Document Attached</p>	<p><b>Version Comments</b></p>



# Project Summary

<b>Project #</b>	OPS-012-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Traffic Ops, Parking & Trans. Planning
<b>Title</b>	Traffic Signals Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

Project Forecast			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2016	300,000	300,000	0
2017	300,000	300,000	0
2018	200,000	200,000	0
2019	200,000	200,000	0
2020	300,000	300,000	0
2021+	1,500,000	1,500,000	0
	<b>2,800,000</b>	<b>2,800,000</b>	<b>0</b>

Historical Approved Budget			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2007	200,000	200,000	0
2008	200,000	200,000	0
2009	300,000	300,000	0
2010	300,000	300,000	0
2011	200,000	200,000	0
2012	100,000	100,000	0
2013	100,000	100,000	0
2014	100,000	100,000	0
2015	150,000	150,000	0

Related Projects		
Year Identified	Start Date	Project Type for 2016
2007	January 01, 2015	Growth:0.0% Maintenance:100.0%

Project Detailed Forecast							
GL Account	2016	2017	2018	2019	2020	2021+	Total
<b>Expenses</b>							
5410 Construction Contracts - TCA							
	300,000	300,000	200,000	200,000	300,000	1,500,000	2,800,000
Total :	300,000	300,000	200,000	200,000	300,000	1,500,000	2,800,000
<b>Revenues</b>							
169 Pay As You Go - Capital Reserve							
	100,000	100,000	0	200,000	100,000	500,000	1,000,000
176 Federal Gas Tax Rebate							
	200,000	200,000	200,000	0	200,000	1,000,000	1,800,000
Total :	300,000	300,000	200,000	200,000	300,000	1,500,000	2,800,000

Operating Budget Impact			
Effective Date	Description	Exp/(Rev)	FTE Impact
Unknown	Upgraded equipment will yield lower maintenance costs.	0	0

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2007	January 01, 2015	Growth:0.0% Maintenance:100.0%	John Wolf	Ongoing

**Project Attachment  
For: 2016**

Project # OPS-012-07

Project Name: Traffic Signals Improvements

No.	INTERSECTION	LAST UPGRADE	UPGRADE DUE	AGE	YEARS LEFT IN LIFE CYCLE (negative number indicates years past the useful life cycle)
1	BROCK & SANDWICH	1970	1990	46	-26
2	KILDARE & SENECA	1978	1998	38	-18
3	CALIFORNIA & TECUMSEH	1980	2000	36	-16
4	CANTELON & LAUZON PKWY	1980	2000	36	-16
5	CENTRAL & E.C. ROW (N)	1980	2000	36	-16
6	CENTRAL & E.C. ROW (S)	1980	2000	36	-16
7	DOMINION & E.C. ROW (N)	1980	2000	36	-16
8	DOMINION & E.C. ROW (S)	1980	2000	36	-16
9	ESSEX WAY & LAUZON PKWY	1980	2000	36	-16
10	FOREST GLADE & LAUZON PKWY	1980	2000	36	-16
11	HAWTHORNE & LAUZON PKWY	1980	2000	36	-16
12	RICHMOND & WALKER	1980	2000	36	-16
13	ELLIOTT & OUELLETTE	1983	2003	33	-13
14	OUELLETTE & WYANDOTTE	1983	2003	33	-13
15	CAMPBELL & TECUMSEH	1984	2004	32	-12
16	CRAWFORD & WYANDOTTE	1984	2004	32	-12
17	DIVISION & HOWARD	1984	2004	32	-12
18	ELLIOTT & GOYEAU	1984	2004	32	-12
19	SUNSET & UNIVERSITY	1984	2004	32	-12
20	BRUCE & UNIVERSITY	1985	2005	31	-11
21	CHATHAM & GOYEAU	1985	2005	31	-11
22	DOMINION & GRAND MARAIS	1985	2005	31	-11
23	FOREST GLADE & TECUMSEH	1985	2005	31	-11
24	GEORGE & WYANDOTTE	1985	2005	31	-11
25	GOYEAU & UNIVERSITY	1985	2005	31	-11
26	HOWARD & ROUNDHOUSE	1985	2005	31	-11
27	JEFFERSON & WYANDOTTE	1985	2005	31	-11
28	CENTRAL & TECUMSEH	1986	2006	30	-10
29	DOUGALL & TECUMSEH	1986	2006	30	-10
30	HALL & TECUMSEH	1986	2006	30	-10
31	HURON CHURCH & MALDEN	1986	2006	30	-10
32	JEFFERSON & ROSE	1986	2006	30	-10
33	KILDARE & OTTAWA	1986	2006	30	-10
34	KILDARE & TECUMSEH	1986	2006	30	-10
35	LINCOLN & TECUMSEH	1986	2006	30	-10
36	OTTAWA & PARENT	1986	2006	30	-10
37	CRAWFORD & UNIVERSITY	1987	2007	29	-9
38	DORCHESTER & HURON CHURCH	1987	2007	29	-9
39	DOUGALL & EUGENIE	1987	2007	29	-9

No.	INTERSECTION	LAST UPGRADE	UPGRADE DUE	AGE	YEARS LEFT IN LIFE CYCLE (negative number indicates years past the useful life cycle)
40	DOUGALL & SUPERCENTER	1987	2007	29	-9
41	ERIE & OUELLETTE	1987	2007	29	-9
42	GILES & OUELLETTE	1987	2007	29	-9
43	GOYEAU & TUSCARORA	1987	2007	29	-9
44	MCDUGALL & SHEPHERD	1987	2007	29	-9
45	MELDRUM & TECUMSEH	1987	2007	29	-9
46	MILL & SANDWICH	1987	2007	29	-9
47	OTTAWA & WALKER	1987	2007	29	-9
48	PARENT & TECUMSEH	1987	2007	29	-9
49	BERNARD & TECUMSEH	1988	2008	28	-8
50	CALIFORNIA & COLLEGE	1988	2008	28	-8
51	EUGENIE & OUELLETTE	1988	2008	28	-8
52	FORD & TECUMSEH	1988	2008	28	-8
53	GEORGE & TECUMSEH	1988	2008	28	-8
54	JOS. ST. LOUIS & TECUMSEH	1988	2008	28	-8
55	PILLETTE & WYANDOTTE	1988	2008	28	-8
56	PRINCESS & TECUMSEH	1988	2008	28	-8
57	RIVARD & TECUMSEH	1988	2008	28	-8
58	SEMINOLE & WALKER	1988	2008	28	-8
59	SENECA & WALKER	1988	2008	28	-8
60	AYLMER & WYANDOTTE	1989	2009	27	-7
61	FOREST GLADE & LAUZON	1989	2009	27	-7
62	FOREST GLADE & WILDWOOD	1989	2009	27	-7
63	GLENGARRY & WYANDOTTE	1989	2009	27	-7
64	GOYEAU & PITT	1989	2009	27	-7
65	GOYEAU & RIVERSIDE	1989	2009	27	-7
66	GRAND MARAIS & HOWARD	1989	2009	27	-7
67	HALL & WYANDOTTE	1989	2009	27	-7
68	HURON CHURCH & NORTHWOOD	1989	2009	27	-7
69	HURON CHURCH & TOTTEN	1989	2009	27	-7
70	PARENT & WYANDOTTE	1989	2009	27	-7
71	TECUMSEH & WESTMINSTER	1989	2009	27	-7
72	BRUCE & WYANDOTTE	1990	2010	26	-6
73	COUNTY RD 42 @ COUNTY RD 17	1990	2010	26	-6
74	COUNTY RD 42 @ LAUZON PKWY	1990	2010	26	-6
75	E.C. ROW @ BANWELL	1990	2010	26	-6
76	EUGENIE & MCDUGALL	1990	2010	26	-6
77	JANETTE & WYANDOTTE	1990	2010	26	-6
78	PATRICIA & WYANDOTTE	1990	2010	26	-6

**Project Attachment  
For: 2016**

Project # OPS-012-07

Project Name: Traffic Signals Improvements

No.	INTERSECTION	LAST UPGRADE	UPGRADE DUE	AGE	YEARS LEFT IN LIFE CYCLE (negative number indicates years past the useful life cycle)
79	PELISSIER & WYANDOTTE	1990	2010	26	-6
80	SUNSET & WYANDOTTE W	1990	2010	26	-6
81	UNIVERSITY & VICTORIA	1990	2010	26	-6
82	DOUGALL & NOTTINGHAM	1991	2011	25	-5
83	HURON CHURCH & UNIVERSITY	1991	2011	25	-5
84	WINDSOR & WYANDOTTE	1991	2011	25	-5
85	CENTRAL & SEMINOLE	1992	2012	24	-4
86	CHURCH & UNIVERSITY	1992	2012	24	-4
87	DOUGALL & NORFOLK	1992	2012	24	-4
88	DOUGALL & WEST GRAND	1992	2012	24	-4
89	DROUILLARD & SEMINOLE	1992	2012	24	-4
90	GEORGE & SEMINOLE	1992	2012	24	-4
91	HURON CHURCH & WYANDOTTE	1992	2012	24	-4
92	PILLETTE & SEMINOLE	1992	2012	24	-4
93	VICTORIA & WYANDOTTE	1992	2012	24	-4
94	DROUILLARD & RIVERSIDE	1993	2013	23	-3
95	ELLIOTT & MCDOUGALL	1993	2013	23	-3
96	ELLIS & OUELLETTE	1993	2013	23	-3
97	GIRARDOT & HURON CHURCH	1993	2013	23	-3
98	HURON CHURCH & TECUMSEH	1993	2013	23	-3
99	NORTHWAY & TECUMSEH	1993	2013	23	-3
100	WELLINGTON & WYANDOTTE	1993	2013	23	-3
101	AYLMER & RIVERSIDE	1994	2014	22	-2
102	BRUCE & RIVERSIDE	1994	2014	22	-2
103	CHRYSLER CENTRE & GATE 6	1994	2014	22	-2
104	CHURCH & RIVERSIDE	1994	2014	22	-2
105	COLLEGE & HURON CHURCH	1994	2014	22	-2
106	ERIE & GOYEAU	1994	2014	22	-2
107	GILES & GOYEAU	1994	2014	22	-2
108	GILES & MCDOUGALL	1994	2014	22	-2
109	GILES & PARENT	1994	2014	22	-2
110	GLENGARRY & RIVERSIDE	1994	2014	22	-2
111	OUELLETTE & SHEPHERD	1994	2014	22	-2
112	WATSON & WYANDOTTE	1994	2014	22	-2
113	CAMPBELL & GROVE	1995	2015	21	-1
114	CHRYSLER CENTRE & GATE 5	1995	2015	21	-1
115	EDINBOROUGH & HOWARD	1995	2015	21	-1
116	ERIE & MCDOUGALL	1995	2015	21	-1
117	ERIE & VICTORIA	1995	2015	21	-1

No.	INTERSECTION	LAST UPGRADE	UPGRADE DUE	AGE	YEARS LEFT IN LIFE CYCLE (negative number indicates years past the useful life cycle)
118	GOYEAU & WYANDOTTE	1995	2015	21	-1
119	STRABANE & WYANDOTTE	1995	2015	21	-1
120	CENTRAL & TEMPLE	1996	2016	20	0
121	CHRYSLER CENTRE & GATE 2	1996	2016	20	0
122	DIVISION & SYDNEY	1996	2016	20	0
123	GOYEAU & PARK	1996	2016	20	0
124	HIRAM WALKERS & RIVERSIDE	1996	2016	20	0
125	JEFFERSON & RAYMOND	1996	2016	20	0
126	MCDOUGALL & HOWARD	1996	2016	20	0
127	MCKAY & UNIVERSITY	1996	2016	20	0
128	MONTREIUL & RIVERSIDE	1996	2016	20	0
129	PARK & VICTORIA	1996	2016	20	0
130	ST. LOUIS & WYANDOTTE	1996	2016	20	0
131	CHATHAM & GLENGARRY	1997	2017	19	1
132	CURRY & WYANDOTTE	1997	2017	19	1
133	DOMINION & LABELLE	1997	2017	19	1
134	EUGENIE & HOWARD	1997	2017	19	1
135	FLORENCE & RIVERSIDE	1997	2017	19	1
136	GLENGARRY & UNIVERSITY	1997	2017	19	1
137	HOWARD & COUNTRY CLUB/LAKE TRAIL	1997	2017	19	1
138	HOWARD & TECUMSEH	1997	2017	19	1
139	LAUZON & RIVERSIDE	1997	2017	19	1
140	PILLETTE & RIVERSIDE	1997	2017	19	1
141	RIVERSIDE & WALKER	1997	2017	19	1
142	THOMPSON & WYANDOTTE	1997	2017	19	1
143	AYLMER & CHATHAM	1998	2018	18	2
144	AYLMER & UNIVERSITY	1998	2018	18	2
145	CABANA & DOMINION	1998	2018	18	2
146	CABANA & DOUGALL	1998	2018	18	2
147	CABANA & GLENWOOD	1998	2018	18	2
148	CENTRAL & DEZIEL	1998	2018	18	2
149	CENTRAL & YPRES	1998	2018	18	2
150	CRAWFORD & COLLEGE	1998	2018	18	2
151	DOMINION & NORTHWOOD	1998	2018	18	2
152	E.C. ROW (N) & HOWARD	1998	2018	18	2
153	E.C. ROW (S) & HOWARD	1998	2018	18	2
154	FLORA & RIVERSIDE	1998	2018	18	2
155	HOWARD & LOGAN	1998	2018	18	2
156	JEFFERSON & QUEEN ELIZABETH	1998	2018	18	2

**Project Attachment  
For: 2016**

Project # OPS-012-07

Project Name: Traffic Signals Improvements

No.	INTERSECTION	LAST UPGRADE	UPGRADE DUE	AGE	YEARS LEFT IN LIFE CYCLE (negative number indicates years past the useful life cycle)
157	LAUZON PKWY & TWIN OAKS	1998	2018	18	2
158	MCDOUGALL & CITY HALL SQUARE S.	1998	2018	18	2
159	MCDOUGALL & RIVERSIDE	1998	2018	18	2
160	MCDOUGALL & UNIVERSITY	1998	2018	18	2
161	McDOUGALL & WYANDOTTE	1998	2018	18	2
162	PARENT & ELLIS	1998	2018	18	2
163	PROVINCIAL & SIXTH CONC.	1998	2018	18	2
164	RIVERSIDE & STRABANE	1998	2018	18	2
165	ST.ROSE & WYANDOTTE	1998	2018	18	2
166	TECUMSEH & LOEB IGA	1998	2018	18	2
167	VICTORIA & YMCA	1998	2018	18	2
168	ANNIE & TECUMSEH	1999	2019	17	3
169	CRAWFORD & TECUMSEH	1999	2019	17	3
170	CURRY/SOUTH CAMERON & TECUMSEH	1999	2019	17	3
171	DIVISION & MARENTETTE	1999	2019	17	3
172	EASTOWN CTR & TECUMSEH	1999	2019	17	3
173	HURON CHURCH & RIVERSIDE	1999	2019	17	3
174	LAUZON & TECUMSEH	1999	2019	17	3
175	LAUZON & THE MALL	1999	2019	17	3
176	LAUZON PKWY & TECUMSEH	1999	2019	17	3
177	LINCOLN & RIVERSIDE	1999	2019	17	3
178	OJIBWAY & WEAVER	1999	2019	17	3
179	WALKER & ST.JULIEN	1999	2019	17	3
180	WALKER & VIMY	1999	2019	17	3
181	CAMPBELL & COLLEGE	2000	2020	16	4
182	COLLEGE & WELLINGTON	2000	2020	16	4
183	DOUGALL & ROSELAND	2000	2020	16	4
184	DROUILLARD & MILLOY	2000	2020	16	4
185	FORD GATE & SEMINOLE	2000	2020	16	4
186	OUELLETTE & PITT	2000	2020	16	4
187	PARENT & RIVERSIDE	2000	2020	16	4
188	WALKER & YPRES	2000	2020	16	4
189	CAMPBELL & UNIVERSITY	2001	2021	15	5
190	JEFFERSON & QUALITY WAY	2001	2021	15	5
191	LAUZON & TRANBY	2001	2021	15	5
192	LAUZON PKWY & CATHERINE	2001	2021	15	5
193	LAUZON PKWY & LAUZON LINE	2001	2021	15	5
194	LAUZON PKWY & TRANBY	2001	2021	15	5
195	MATCHETTE & PRINCE	2001	2021	15	5

No.	INTERSECTION	LAST UPGRADE	UPGRADE DUE	AGE	YEARS LEFT IN LIFE CYCLE (negative number indicates years past the useful life cycle)
196	PILLETTE & PLYMOUTH	2001	2021	15	5
197	PILLETTE & TECUMSEH	2001	2021	15	5
198	SCULPTURE GARDEN & RIVERSIDE	2001	2021	15	5
199	CURRY @ GRAND MARAIS	2002	2022	14	6
200	DIVISION & WALKER	2002	2022	14	6
201	DROUILLARD & TECUMSEH	2002	2022	14	6
202	FERRY & RIVERSIDE	2002	2022	14	6
203	McDOUGALL & TECUMSEH	2002	2022	14	6
204	OUELLETTE & RIVERSIDE	2002	2022	14	6
205	RAYMO & WYANDOTTE	2002	2022	14	6
206	SEMINOLE & SNAKE LANE	2002	2022	14	6
207	WALKER & CALDERWOOD	2002	2022	14	6
208	BANWELL & TECUMSEH	2003	2023	13	7
209	TECUMSEH & WALKER	2003	2023	13	7
210	WALKER @ CANADA POST	2003	2023	13	7
211	CHRYSLER CTR. & GATE 3	2004	2024	12	8
212	DOUGALL PKWY @ SIXTH CONC	2004	2024	12	8
213	FOSTER & WALKER	2004	2024	12	8
214	MONMOUTH @ OTTAWA	2004	2024	12	8
215	WALKER @ COCO PLAZA	2004	2024	12	8
216	BANWELL & WILDWOOD	2005	2025	11	9
217	CABANA & HOWARD	2005	2025	11	9
218	CENTRAL & GRAND MARAIS	2005	2025	11	9
219	CHRYSLER CENTRE & GRAND MARAIS	2005	2025	11	9
220	CHRYSLER CTR. & GATE 1	2005	2025	11	9
221	GRAND MARAIS & GATE #8	2005	2025	11	9
222	HOWARD & SHEPHERD	2005	2025	11	9
223	JEFFERSON & TECUMSEH	2005	2025	11	9
224	TECUMSEH & CLOVER	2005	2025	11	9
225	BANWELL & MCHUGH/MCNORTON	2006	2026	10	10
226	GILES & HOWARD	2006	2026	10	10
227	HOWARD & OTTAWA	2006	2026	10	10
228	LAUZON & LITTLE RIVER	2006	2026	10	10
229	LAUZON & McHUGH	2006	2026	10	10
230	MILL @ WYANDOTTE	2006	2026	10	10
231	OJIBWAY & SPRUCEWOOD	2006	2026	10	10
232	CHATHAM & OUELLETTE	2007	2027	9	11
233	DROUILLARD & WYANDOTTE	2007	2027	9	11
234	TECUMSEH @ AUTO MALL	2007	2027	9	11

**Project Attachment  
For: 2016**

**Project # OPS-012-07**

**Project Name: Traffic Signals Improvements**

No.	INTERSECTION	LAST UPGRADE	UPGRADE DUE	AGE	YEARS LEFT IN LIFE CYCLE (negative number indicates years past the useful life cycle)
235	CHATHAM & MCDOUGALL	2008	2028	8	12
236	DIVISION AND HOME DEPOT	2008	2028	8	12
237	ERIE & HOWARD	2008	2028	8	12
238	GRAND MARAIS & WALKER	2008	2028	8	12
239	LAUZON & LAUZON LINE	2008	2028	8	12
240	LAUZON & WYANDOTTE	2008	2028	8	12
241	MCDOUGALL & PITT	2008	2028	8	12
242	MCHUGH & WFCU EAST ENTRANCE	2008	2028	8	12
243	MCHUGH & WFCU WEST ENTRANCE	2008	2028	8	12
244	OUELLETTE & UNIVERSITY	2008	2028	8	12
245	WYANDOTTE & RIVERDALE	2008	2028	8	12
246	CLOVER & MCHUGH	2009	2029	7	13
247	DARFIELD & MCHUGH	2009	2029	7	13
248	HOWARD & NORTH TALBOT	2009	2029	7	13
249	MAIDEN LANE & OUELLETTE	2009	2029	7	13
250	PROVINCIAL & LOWE'S	2009	2029	7	13
251	WALKER & DIGBY	2009	2029	7	13
252	WALKER & PARKDALE	2009	2029	7	13
253	CRAWFORD & RIVERSIDE	2010	2030	6	14
254	DOUGALL & E.C. ROW (N)	2010	2030	6	14
255	DOUGALL & E.C. ROW (S)	2010	2030	6	14
256	DUCHARME @ WALKER	2010	2030	6	14
257	EASTPARK & TECUMSEH	2010	2030	6	14
258	HOWARD & MEMORIAL	2010	2030	6	14
259	MONMOUTH & WYANDOTTE	2010	2030	6	14
260	OUELLETTE & PARK	2010	2030	6	14
261	OUELLETTE & TECUMSEH	2010	2030	6	14
262	PARK & PELISSIER	2010	2030	6	14
263	PELLISSIER & UNIVERSITY	2010	2030	6	14
264	PROVINCIAL & WALKER	2010	2030	6	14
265	ROSEVILLE & TECUMSEH	2010	2030	6	14
266	TECUMSEH @ HOME DEPOT	2010	2030	6	14
267	WALKER & HOME DEPOT	2010	2030	6	14
268	WALKER & SEVENTH CONCESSION	2010	2030	6	14
269	WALKER & WYANDOTTE	2010	2030	6	14
270	CABANA & PROVINCIAL	2012	2032	4	16
271	DOMINION & TOTTEN	2012	2032	4	16
272	E.C. ROW (N) & WALKER	2012	2032	4	16
273	E.C. ROW (S) & WALKER	2012	2032	4	16

No.	INTERSECTION	LAST UPGRADE	UPGRADE DUE	AGE	YEARS LEFT IN LIFE CYCLE (negative number indicates years past the useful life cycle)
274	RANDOLPH & WYANDOTTE	2012	2032	4	16
275	RIVERSIDE & RIVERDALE	2012	2032	4	16
276	RIVERSIDE & SOLIDARTITY TOWERS	2012	2032	4	16
277	CALIFORNIA & WYANDOTTE	2013	2033	3	17
278	CAMPBELL & WYANDOTTE	2013	2033	3	17
279	GLADSTONE & OTTAWA	2013	2033	3	17
280	HALL & OTTAWA	2013	2033	3	17
281	LINCOLN & OTTAWA	2013	2033	3	17
282	SYDNEY & WALKER	2013	2033	3	17
283	WALKER & AIRPORT	2013	2033	3	17
284	CALIFORNIA & UNIVERSITY	2014	2034	2	18
285	DEVONSHIRE & WYANDOTTE	2014	2034	2	18
286	GLADSTONE & WYANDOTTE	2014	2034	2	18
287	LINCOLN & WYANDOTTE	2014	2034	2	18



# Project Summary

<b>Project #</b>	OPS-014-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Traffic Ops, Parking & Trans. Planning
<b>Title</b>	Bikeways Development		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>																																																																																																																																																	
<p>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 of Cycling Network Development, Cycling Awareness and Education, Cycling-Transit Links and End-of-trip Facilities.            Note: Implementation of on-road lanes will depend on schedule of road reconstruction and resurfacing projects.</p>				<p>Increased capital budgets since 2011 is essential to ensuring cycling facilities are constructed in capital projects by other divisions. Community connections to the Rt. Hon. Herb Gray Parkway 20km trail system will be prioritized in the coming construction seasons.</p>																																																																																																																																																	
<b>Project Comments/Reference</b>				<b>Version Comments</b>																																																																																																																																																	
(Closed: 7086009,7092024-ISF) Active: 7111031				2014 Enhanced Capital Budget, the Windsor Loop funds have allocated approximately \$4.3m to add bike lanes and sidewalks.																																																																																																																																																	
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>																																																																																																																																																	
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Project Title				2007				Start Date																																																																																																																																													
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# Project Summary

<b>Project #</b>	OPS-018-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Traffic Ops, Parking & Trans. Planning
<b>Title</b>	Parking Garages Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	Ward 3		
<b>Version Name</b>	Main (Active)		

<p><b>Project Description</b></p> <p>Ongoing municipal parking garages improvements 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 5-10 years, therefore ongoing project funding is required. Currently, inspections are done annually to determine rehabilitation priorities.</p> <p>There are 6 floors at the Pitt/Goyeau parking garage which have the membrane in place plus the exit spiral. Historically, a \$200,000 allocation would complete 1 floor in the Pitt/Goyeau parking garage or half of the exit spiral. With CPI increases, this amount has now increased to \$250,000.</p> <p>NOTE: THE ON/OFF-STREET PARKING RESERVE IS CURRENTLY IN A DEFICIT POSITION.</p>	<p><b>Version Description</b></p> <p>Parking Garage 1 (Pitt/Goyeau) Tender will be issued on August 10, 2015 for concrete repairs and membrane placement on Level 6 (Roof) and in the centre and southwest stairwells. In 2016, funds will be used for concrete repairs and membrane placement on Level 3 and spot repairs with membrane placement on Levels 1 and 2. In 2016 and beyond, repairs will continue to be made on Levels 4 and 5.</p> <p>Parking Garage 3 (Riverside): Level 1 - Continue joint repairs, including resealing and flashing installation. Full joint repair is required, semi depth concrete repairs and installation of traffic bearing membrane over entire level - approximate cost \$230,000. Level 4 - joint and negative slope repairs as funding allows.</p>																																																																																																																										
<p><b>Project Comments/Reference</b></p> <p>(Closed: 7035075/7121002) 7131114</p>	<p><b>Version Comments</b></p>																																																																																																																										
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## Project Summary

<b>Project #</b>	OPS-018-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Traffic Ops, Parking & Trans. Planning
<b>Title</b>	Parking Garages Improvements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	Ward 3		
<b>Version Name</b>	Main (Active)		

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2007	January 01, 2015	Growth:0.0% Maintenance:100.0%	John Wolf	Ongoing



# Project Summary

<b>Project #</b>	OPS-019-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Traffic Ops, Parking & Trans. Planning
<b>Title</b>	New Parking Development		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
<p>This allocation provides for property acquisition and development for the expansion of the municipal parking program throughout the city where required. This project is to be funded from the Off-Street Parking Reserve Fund once it returns to a surplus position (projected to be 2018).</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>NOTE: THE OFF-STREET PARKING RESERVE IS IN A DEFICIT POSITION.</p>											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7059127 closed											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5210 Land Acquisition							
2017	0	0	0		0	0	0	0	0	1,100,000	1,100,000
2018	0	0	0								
2019	0	0	0								
2020	0	0	0								
2021+	1,100,000	1,100,000	0								
	<b>1,100,000</b>	<b>1,100,000</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,100,000</b>	<b>1,100,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		138 Off Street Parking							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	169 Pay As You Go - Capital Reserve	0	0	0	0	0	1,000,000	1,000,000
					0	0	0	0	0	100,000	100,000
				<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,100,000</b>	<b>1,100,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2007	January 01, 2020	Growth: Maintenance:		John Wolf				Ongoing			



# Project Summary

<b>Project #</b>	OPS-020-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Traffic Ops, Parking & Trans. Planning
<b>Title</b>	Parking Lot Rehabilitation		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
<p>This allocation provides for the rehabilitation of municipal parking lots in the City. An annual expenditure of \$200,000 is recommended. This project is to be funded from the Off-Street Parking Reserve Fund once it returns to a surplus position (projected to be 2018).</p> <p>NOTE: THE OFF-STREET PARKING RESERVE IS CURRENTLY IN A DEFICIT POSITION.</p>				<p>Per CR1203/99, construction of facilities along Wyandotte Street from McDougall to Devonshire, new lot construction to take place after land is acquired.</p> <p>2019: lots 18 and 15 2020: lots 4-2 and lot 21 or 22</p>							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7059014 closed, 7111032 closed											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	0	200,000	200,000	500,000	900,000
2018	0	0	0								
2019	200,000	200,000	0								
2020	200,000	200,000	0								
2021+	500,000	500,000	0								
	<b>900,000</b>	<b>900,000</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>	<b>200,000</b>	<b>500,000</b>	<b>900,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		138 Off Street Parking							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
2011	40,000	40,000	0	169 Pay As You Go - Capital Reserve	0	0	0	50,000	100,000	400,000	550,000
					0	0	0	150,000	100,000	100,000	350,000
				<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>	<b>200,000</b>	<b>500,000</b>	<b>900,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
				No Operating Budget Impact							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2007	January 01, 2019	Growth: Maintenance:		John Wolf				Ongoing			



# Project Summary

<b>Project #</b>	OPS-021-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Traffic Ops, Parking & Trans. Planning
<b>Title</b>	Traffic Calming		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>																																																																																																																	
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.				The magnitude of the prioritized traffic calming plans and available funding will dictate the implementation schedule.																																																																																																																	
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2007	January 01, 2015	Growth:100.0% Maintenance:0.0%		Josette Eugeni				Ongoing																																																																																																													



# Project Summary

<b>Project #</b>	OPS-022-07	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fleet
<b>Title</b>	Purchase of Additional Fleet Equipment		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>																																																																																																									
<p>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 5-year plan, fleet requests are provided on an annual basis, therefore, submissions will be made each year based on user requirements.</p> <p>All requests are subject to review by the Fleet Review Committee. This submission is being entered as a placeholder pending final approval from the Fleet Review Committee at a later date.</p>				<p>2016: \$10,000 - One truck retrofit to accommodate a plow for Parks \$30,000 - One diesel club car upgrade for Parks</p>																																																																																																									
<b>Project Comments/Reference</b>				<b>Version Comments</b>																																																																																																									
<p>See Document Attached (Closed: 7065024/7096002/7111020/7121008/7131113/7141003) Active: 7151010/7161035</p>				<p>Please see documents attached for more detailed explanations.</p>																																																																																																									
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2007	January 01, 2016	Growth:100.0% Maintenance:0.0%		Angela Marazita				Ongoing																																																																																																					

Referred by the Fleet Review Committee to the Capital Budget Review Committee

June 2015

**Fleet Additions & Upgrades Budget Summary**

Department/ Division	Fleet Area	Equipment Request	Request Type	Background Information	Estimated Purchase Price					
					2016	2017	2018	2019	2020	2021+
Parks	Corporate	Retrofit truck to accommodate a plow	Upgrade	Parks uses a truck to move material in the summer months. To expand the use of this truck during the winter control season and provide efficient service delivery, the truck needs to be retrofitted with equipment in a manner that will accommodate a plow.	\$ 10,000					
Parks	Off-Road	1 Diesel Club Car	Upgrade	Parks requires an upgrade to a club car due for replacement in 2016 in order to meet their operational needs. The upgraded unit will allow for greater utilization as the unit will be used to maintain turf in the summer and clear snow at the WFCU in the winter.	\$ 30,000					
<b>Total Fleet Additions/Upgrades</b>					<b>\$ 40,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Rounded</b>					<b>\$ 40,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</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 Summary

<b>Project #</b>	OPS-005-08	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fleet
<b>Title</b>	Fleet Replacements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
Replacement of dedicated vehicles and equipment.  All requests are subject to review by the Fleet Review Committee. This submission is being entered as a placeholder pending final approval from the Fleet Review Committee at a later date.				Annual budget requests are based on the Fleet Division's projections of required replacements.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
See Document Attached (Closed: 7085004/7091012/7101015/7111028/7121009/7131112/7141002) Active: 7151004/7161033											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
	<b>Revenue</b>			<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	1,560,500	1,560,500	0	5110 Machinery & Equipment - TCA							
2017	2,577,000	2,577,000	0		1,560,500	2,577,000	2,238,000	1,309,500	2,704,250	6,157,250	16,546,500
2018	2,238,000	2,238,000	0	<b>Total :</b>	<b>1,560,500</b>	<b>2,577,000</b>	<b>2,238,000</b>	<b>1,309,500</b>	<b>2,704,250</b>	<b>6,157,250</b>	<b>16,546,500</b>
2019	1,309,500	1,309,500	0	<b>Revenues</b>							
2020	2,704,250	2,704,250	0	136 Equipment Replacement							
2021+	6,157,250	6,157,250	0		1,560,500	2,577,000	2,238,000	1,309,500	2,704,250	6,157,250	16,546,500
	<b>16,546,500</b>	<b>16,546,500</b>	<b>0</b>	<b>Total :</b>	<b>1,560,500</b>	<b>2,577,000</b>	<b>2,238,000</b>	<b>1,309,500</b>	<b>2,704,250</b>	<b>6,157,250</b>	<b>16,546,500</b>
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
	<b>Revenue</b>			<b>Effective Date</b>	<b>Description</b>	<b>Exp/(Rev)</b>	<b>FTE Impact</b>				
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	Unknown	Deferral of replacements contributes to increased repair and operating costs as user departments require units to be operational to meet expected service levels.	0	0				
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								
<b>Related Projects</b>											
<b>Project Title</b>											
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>			<b>Est. Completion Date</b>				
2008	January 01, 2015	Growth:0.0% Maintenance:100.0%		Angela Marazita			Ongoing				

**FLEET REPLACEMENT SCHEDULE - CAPITAL BUDGET SUBMISSION - CORPORATE FLEET**

(source: FleetFocus as of July 10, 2015)

Unit	Description	Department	2016	2017	2018	2019	2020	2021+
<b>Class 110 - VANS (Life Cycle 7 - 9 Years)</b>								
0250	2006 CHEVROLET 1500 EXPRESS VAN	PW FIELD			33,433			
0251	2006 CHEVROLET 1500 EXPRESS VAN	FAC MGT			33,433			
0252	2006 CHEVROLET 1500 EXPRESS VAN	FAC MGT			33,433			
0253	2006 CHEVROLET 1500 EXPRESS CARGO VAN	PW FIELD			34,329			
0255	2008 FORD E150 CARGO VAN	PW LAB		45,859				
0256	2009 CHEVROLET EXPRESS 1500 CARGO VAN	FAC MGT		28,484				30,594
0257	2009 CHEVROLET EXPRESS 1500 CARGO VAN	FAC MGT			28,748			
0258	2009 GMC SAVANNA CARGO VAN	FAC MGT		28,533				30,646
0259	2010 CHEVROLET EXPRESS CARGO VAN	PW LAB			39,725			
0260	2011 CHEVROLET EXPRESS CARGO VAN	FAC MGT				29,497		
0261	2012 GMC SAVANA CARGO VAN	PW FIELD				31,307		
0265	2006 CHEVROLET SAVANNA EXTEND CARGO VAN	FAC MGT		43,925				
0268	2007 CHEVROLET EXPRESS 2500 EXT VAN	FAC MGT		41,137				
0269	2010 CHEVROLET EXPRESS CARGO VAN	PW SEWER			40,868			
0270	2012 CHEVROLET EXPRESS CARGO VAN	FAC MGT						41,750
3027	2013 FORD ECONO SUPER CARGO VAN	FIRE						30,381
<b>Class 120 - CUBE VANS (Life Cycle 9 - 11 Years)</b>								
0301	2007 CHEVROLET 3500 CUTAWAY VAN	LIBRARY			43,338			
0303	2008 CHEVROLET E2500 UNICELL CUBE VAN	FAC MGT			45,536			
0304	2012 GMC SAVANA UNICELL VAN	PW SEWER						51,788
<b>Class 140 - SPORT UTILITY (Life Cycle 10 Years)</b>								
0328	2006 DODGE DURANGO SUV 4X4	PW FIELD		51,522				
0329	2006 DODGE DURANGO SUV 4X4	PW FIELD		51,522				
0331	2002 JEEP LIBERTY SPORT 4X4 SUV	PW SEWER						17,110
<b>Class 145 - VANS MINI (Life Cycle 7 - 9 Years)</b>								
0309	2009 CHEVROLET UPLANDER LS MINI VAN	INFO TECH		22,160				23,802
0312	2005 CHEVROLET UPLANDER VAN	PW FIELD						27,247
0323	2005 CHEVROLET UPLANDER VAN	SIGNALS						27,708
0326	2005 CHEVROLET UPLANDER VAN	PW TECHNIC						27,708
0336	2006 DODGE CARAVAN MINI VAN 7 PASSENGER	PARKS						26,481
0337	2006 DODGE CARAVAN MINI VAN 7 PASSENGER	FAC MGT		24,910				
0338	2009 CHEVROLET UPLANDER LS MINI VAN	PARK SERV			22,365			
0350	2012 DODGE GRAND CARAVAN	PW FIELD					26,415	
0351	2012 DODGE GRAND CARAVAN	BUILDING					26,415	
0352	2012 DODGE GRAND CARAVAN	TRAF STUD					26,415	
0353	2012 DODGE GRAND CARAVAN	PARKS					26,415	



**FLEET REPLACEMENT SCHEDULE - CAPITAL BUDGET SUBMISSION - CORPORATE FLEET**

(source: FleetFocus as of July 10, 2015)

Unit	Description	Department	2016	2017	2018	2019	2020	2021+
0354	2012 DODGE GRAND CARAVAN	INFO TECH				26,415		
0357	2007 DODGE CARAVAN 7 PASSENGER	BUILDING	25,735					27,860
0374	2006 DODGE CARAVAN MINI VAN 7 PASSENGER	PW TECHNIC						26,482
0377	2006 DODGE CARAVAN MINI VAN 7 PASSENGER	FORESTRY		24,911				
0378	2006 DODGE CARAVAN MINI VAN 7 PASSENGER	PW PUMP ST	24,686					
0379	2006 DODGE CARAVAN MINI VAN 7 PASSENGER	PW FIELD		24,911				
0380	2007 FORD FREESTAR MINI VAN	MAILROOM		25,215				
0381	2007 DODGE CARAVAN 7 PASSENGER	PARK SERV		25,971				
0382	2007 DODGE CARAVAN 7 PASSENGER	PARK SERV	25,735					27,860
0383	2014 DODGE GRAND CARAVAN	BUILDING						21,181
0384	2014 DODGE GRAND CARAVAN	BUILDING						21,181
0385	2014 DODGE GRAND CARAVAN	BUILDING						21,181
0386	2014 DODGE GRAND CARAVAN	BUILDING						21,181
0387	2014 DODGE GRAND CARAVAN	BUILDING						21,181
0388	2014 DODGE GRAND CARAVAN	BUILDING						21,181
0389	2014 DODGE GRAND CARAVAN	BUILDING						21,181
0390	2014 DODGE GRAND CARAVAN	BUILDING						21,181
0391	2014 DODGE GRAND CARAVAN	BUILDING						21,181
0392	2014 DODGE GRAND CARAVAN	BUILDING						21,181
0393	2014 DODGE GRAND CARAVAN	BUILDING						21,181
0394	2014 DODGE GRAND CARAVAN	PARKS						21,181
3002	2009 CHEVROLET UPLANDER LS MINI VAN	FIRE		25,999				27,925
3009	2010 DODGE GRAND CARAVAN SE	FIRE			20,340			
3010	2010 DODGE GRAND CARAVAN SE	FIRE			20,340			
3011	2010 DODGE GRAND CARAVAN SE	FIRE			20,340			
3019	2013 DODGE GRAND CARAVAN MINIVAN	FIRE						20,561
3020	2013 DODGE GRAND CARAVAN MINIVAN	FIRE						20,561
3021	2013 DODGE GRAND CARAVAN MINIVAN	FIRE						20,561
3025	2013 DODGE GRAND CARAVAN MINIVAN	FIRE						20,081
3028	2014 DODGE GRAND CARAVAN	FIRE						21,338
3029	2014 DODGE GRAND CARAVAN	FIRE						21,338
<b>Class 150 - COMPACT CARS (Life Cycle 6 - 8 Years)</b>								
0434	2006 CHRYSLER PT CRUISER	SIGNS&MARK	20,013					
0437	2007 CHRYSLER PT CRUISER	PW CONTRAC		22,518				
0444	2009 FORD FOCUS 4 DOOR	PW WWPCP		17,884				19,208
0445	2009 FORD FOCUS 4 DOOR	PW WWPCP		17,884				19,208
0446	2009 FORD FOCUS 4 DOOR	TRAF STUD		17,884				19,208

**FLEET REPLACEMENT SCHEDULE - CAPITAL BUDGET SUBMISSION - CORPORATE FLEET**

(source: FleetFocus as of July 10, 2015)

Unit	Description	Department	2016	2017	2018	2019	2020	2021+
0447	2009 FORD FOCUS 4 DOOR	PARK SERV		17,884				19,208
3003	2010 DODGE CALIBER SXT 5 DOOR HATCHBACK	FIRE			19,214			
3004	2010 DODGE CALIBER SXT 5 DOOR HATCHBACK	FIRE			19,214			
3005	2010 DODGE CALIBER SXT 5 DOOR HATCHBACK	FIRE			19,214			
3006	2010 DODGE CALIBER SXT 5 DOOR HATCHBACK	FIRE			19,214			
3007	2011 DODGE CALIBER SXT	FIRE				19,966		
3008	2011 DODGE CALIBER SXT	FIRE				19,966		
3016	2011 DODGE CALIBER SXT CAR	FIRE				18,322		
<b>Class 155 - CROSS OVER (Life Cycle 8 - 10 Years)</b>								
0460	2012 DODGE JOURNEY CROSS OVER	BYLAW					18,725	
0461	2012 DODGE JOURNEY CROSS OVER	BYLAW					18,725	
0462	2012 DODGE JOURNEY CROSS OVER	BYLAW					18,553	
0463	2012 DODGE JOURNEY CROSS OVER	BYLAW					18,553	
0464	2012 DODGE JOURNEY CROSS OVER	BYLAW					18,553	
0465	2012 DODGE JOURNEY CROSS OVER	BYLAW					18,553	
0466	2012 DODGE JOURNEY CROSS OVER	BYLAW					18,553	
0467	2012 DODGE JOURNEY CROSS OVER	BYLAW					18,553	
0468	2012 DODGE JOURNEY CROSS OVER	BYLAW					18,553	
0469	2012 DODGE JOURNEY CROSS OVER	BYLAW					18,553	
0470	2012 DODGE JOURNEY CROSS OVER	BYLAW					18,553	
0471	2012 DODGE JOURNEY CROSS OVER	BYLAW					18,553	
3012	2011 DODGE JOURNEY R/T AWD	FIRE				31,012		
3013	2011 DODGE JOURNEY R/T AWD	FIRE				31,012		
3014	2011 DODGE JOURNEY R/T AWD	FIRE				31,012		
<b>Class 165 - HYBRIDS - GAS / ELECTRIC (Life Cycle 7 - 9 Years)</b>								
0505	2008 SATURN AURA HYBRID ZZR69	PARKING		35,887				
<b>Class 200 - SMALL PICKUPS (Life Cycle 7 - 9 Years)</b>								
0600	2009 CHEVROLET COLORADO LT PICKUP	PW FIELD		23,055				24,763
0601	2009 CHEVROLET COLORADO LT PICKUP	PW FIELD		23,055				24,763
0602	2009 CHEVROLET COLORADO LT PICKUP	PW LRPCP		23,055				24,763
0603	2009 CHEVROLET COLORADO LT PICKUP	FAC MGT		23,055				24,763
0604	2009 CHEVROLET COLORADO LT PICKUP	PW ENVTL		23,055				24,763
0605	2009 CHEVROLET COLORADO LT PICKUP	FORESTRY		23,055				24,763
0606	2011 FORD RANGER PICKUP EXTENDED CAB 6'	PW FIELD				20,621		
0607	2011 FORD RANGER PICKUP EXTENDED CAB 6'	PW PUMP ST				20,621		
0608	2011 FORD RANGER PICKUP EXTENDED CAB 6'	PW ROW MAI				20,621		
0609	2011 FORD RANGER PICKUP EXTENDED CAB 6'	PW FIELD				20,621		

**FLEET REPLACEMENT SCHEDULE - CAPITAL BUDGET SUBMISSION - CORPORATE FLEET**

(source: FleetFocus as of July 10, 2015)

Unit	Description	Department	2016	2017	2018	2019	2020	2021+
<b>Class 210 - LARGE PICKUPS (Life Cycle 7 - 9 Years)</b>								
0613	2013 CHEVROLET SILVERADO1500 EXT CAB	PW ELECTR					25,912	
0614	2013 CHEVROLET SILVERADO 1500 EXT CAB	PW ROW MAI					25,912	
0615	2013 CHEVROLET SILVERADO 1500 PICKUP	PW CONTRAC					25,603	
0616	2012 CHEVROLET SILVERADO 2500 PICKUP	PARKS			26,856			28,613
0617	2012 CHEVROLET SILVERADO 1500 PICKUP	PARKS			22,800			24,291
0618	2012 CHEVROLET SILVERADO 1500 PICKUP	FORESTRY			22,800			24,291
0619	2012 CHEVROLET SILVERADO 1500 PICKUP	PW SEWER			22,800			24,291
0620	2011 CHEVROLET SILVERADO 1500 PICKUP	PW PUMP ST			24,142			25,722
0621	2011 CHEVROLET SILVERADO 1500 PICKUP	PW PUMP ST				24,368		
0622	2011 CHEVROLET SILVERADO 2500 HD CREWCAB	PARKS			14,832			15,264
0624	2011 CHEVROLET SILVERADO 2500 HD CREWCAB	PARKS			14,832			15,264
0707	2007 DODGE RAM2500 STD 8' BOX PICKUP	PARKS	40,365					43,698
0709	2007 DODGE RAM2500 STD 8' BOX PICKUP	FAC MGT		40,736				
0714	2015 CHEVROLET SILVERADO 1500 PICKUP	PW FIELD						26,585
0715	2015 CHEVROLET SILVERADO 1500 PICKUP	PW FIELD						26,585
0716	2015 CHEVROLET SILVERADO 1500 PICKUP	PW FIELD						26,585
0717	2015 CHEVROLET SILVERADO 1500 PICKUP	PARKS						26,585
0718	2015 CHEVROLET SILVERADO 1500 PICKUP	PARKS						26,585
0769	2008 CHEVROLET SILVERADO 2500 HD PICKUP	PARKS			48,286			
<b>Class 220 - PICKUPS (Life Cycle 7 - 9 Years)</b>								
0662	2009 CHEVROLET SILVERADO WT1500 PICKUP	PW FIELD	25,767					27,452
0663	2009 CHEVROLET SILVERADO WT1500 PICKUP	PW FIELD	25,767					27,452
0664	2009 CHEVROLET SILVERADO WT1500 PICKUP	PARK SERV			26,248			
0665	2013 GMC SIERRA 1500 REG CAB PICKUP	PW ENVTAL					28,226	
0666	2013 CHEVROLET SILVERADO REG CAB PICKUP	PW ENVTAL					24,180	
0668	2014 FORD F150 STD CAB 8' BOX PICKUP	PW ENVTAL						27,765
0669	2014 FORD F150 STD CAB 8' BOX PICKUP	PW ENVTAL						27,759
0687	2007 DODGE 1500 STD 8' BOX 1/2 TON PICKU	PARKS	29,747					32,203
0688	2007 DODGE 1500 STD 8' BOX 1/2 TON PICKU	PW WWPCP	30,020					
0692	2008 FORD F150 XL REG 8' BOX PICKUP	PARKS		22,235				
0693	2008 FORD F150 XL REG 8' BOX PICKUP	PW ROW MAI		22,235				
0694	2008 FORD F150 XL REG 8' BOX PICKUP	SIGNS&MARK		22,235				
0695	2013 GMC SIERRA REG CAB 8' BOX PICKUP	HORTICULT					24,854	
0696	2013 GMC SIERRA EXT CAB 6' BOX PICKUP	PW ROW MAI					24,666	
0697	2013 GMC SIERRA EXT CAB 6' BOX PICKUP	HORTICULT					24,666	
0698	2013 GMC SIERRA EXT CAB 6' BOX PICKUP	PW CONTRAC					24,896	

**FLEET REPLACEMENT SCHEDULE - CAPITAL BUDGET SUBMISSION - CORPORATE FLEET**

(source: FleetFocus as of July 10, 2015)

Unit	Description	Department	2016	2017	2018	2019	2020	2021+
0699	2013 GMC SIERRA EXT CAB 6` BOX PICKUP	PW SEWER					24,666	
0701	2006 DODGE RAM 1500 PICKUP W 8` BOX	PW ENVTAL						32,425
0704	2006 DODGE RAM 1500 PICKUP W 8` BOX	PW ENVTAL						32,425
0710	2007 CHEVROLET LT 1500 PICKUP	PW CONTRAC	28,158					30,483
0711	2007 CHEVROLET LT 1500 PICKUP	SIGNALS			28,674			
0712	2007 CHEVROLET LT 1500 PICKUP	FAC MGT		28,416				
0713	2007 CHEVROLET LT 1500 PICKUP	PW FIELD		28,416				
0733	2013 GMC SIERRA EXT CAB 6` BOX PICKUP	PW SEWER					24,666	
0734	2013 GMC SIERRA EXT CAB 6` BOX PICKUP	PW ROW MAI					24,666	
<b>Class 230 - UTILITY TRUCKS (Life Cycle 9 - 11 Years)</b>								
0737	2011 FORD F350 SUPER DUTY SERVICE BODY	SIGNS&MARK					57,474	
0738	2008 FORD F350 REG CAB SERVICE BODY	SIGNS&MARK			66,820			
0739	2008 FORD F350 REG CAB SERVICE BODY	SIGNS&MARK			66,820			
0740	2008 FORD F350 REG CAB SERVICE BODY	SIGNS&MARK			66,820			
0750	2012 GMC SAVANA CUTAWAY STAHL HI-ROOF	PW ELECTR						60,880
0751	2012 GMC SAVANA CUTAWAY STAHL HI-ROOF	PW ELECTR						60,880
0752	2013 FORD F350 SUPER DUTY SERVICE TRUCK	PARKS						56,464
0753	2014 FORD F350 SUPER DUTY DUMP TRUCK	PARKS						67,605
0754	2014 FORD F350 SUPER DUTY DUMP TRUCK	FAC MGT						50,918
0765	2007 DODGE RAM 2500 PICKUP/FLATBED	FAC MGT	86,316					92,710
0770	2011 CHEVROLET SILVERADO 2500 4X4 PICKUP	PW WWPCP						33,543
0771	2012 CHEVROLET SILVERADO 2500 4X4 PICKUP	PW LRPCP				34,441		
0777	2011 CHEVROLET SILVERADO 2500 4X4 PICKUP	PARK SERV						27,499
0780	2013 GMC SIERRA 4X4 REG CAB PICKUP	PARKS						38,899
0781	2013 GMC SIERRA 4X4 REG CAB PICKUP	PARKS						38,899
0782	2015 FORD F350 4X4 PICKUP SRW	PARKS						40,745
3017	2012 CHEVROLET SILVERADO 3500 PICKUP	FIRE						32,835
3018	2012 CHEVROLET SILVERADO 3500 PICKUP	FIRE						32,547
<b>Class 246 - CREW CABS (Life Cycle 9 - 11 Years)</b>								
0792	2011 CHEVROLET SILVERADO 3500 CREW CAB	HORTICULT					15,750	16,500
0793	2006 DODGE RAM 3500 QUAD CAB FLAT BED	HORTICULT		62,719				
0794	2006 DODGE RAM 3500 QUAD CAB FLAT BED	PARKS	62,154					
0795	2006 DODGE RAM 3500 QUAD CAB FLAT BED	PARKS	62,154					
0796	2011 CHEVROLET SILVERADO WT 3500 CREWCAB	PARKS					56,030	
0797	2011 CHEVROLET SILVERADO WT 3500 CREWCAB	PARKS					56,030	
0798	2013 GMC SIERRA 3500 HD CREWCAB	PARKS						50,890
<b>Class 305 - 10000 GVW TRUCKS (Life Cycle 9 - 11 Years)</b>								

**FLEET REPLACEMENT SCHEDULE - CAPITAL BUDGET SUBMISSION - CORPORATE FLEET**

(source: FleetFocus as of July 10, 2015)

Unit	Description	Department	2016	2017	2018	2019	2020	2021+
0853	2015 FORD F350 B DUMP TRUCK	PW SEWER						52,850
0854	2011 CHEVROLET SILVERADO WT 3500 TRUCK	PW ROW MAI					56,772	
0855	2011 CHEVROLET SILVERADO WT 3500 TRUCK	PW ROW MAI					56,772	
0856	2011 CHEVROLET SILVERADO WT 3500 TRUCK	PW ROW MAI					56,772	
0857	2011 CHEVROLET SILVERADO WT 3500 TRUCK	PW ROW MAI					56,772	
0858	2011 CHEVROLET SILVERADO WT 3500 TRUCK	PW ROW MAI					56,772	
0859	2013 GMC SIERRA 3500 HD CREWCAB	PW ROW MAI						60,239
0867	2001 CHEV B TRUCK LT3500	HORTICULT	65,561					
0871	2007 DODGE RAM 3500 PICKUP	HORTICULT	63,590					75,269
0872	2007 DODGE RAM 3500 B DUMP TRUCK	PARKS		64,887				
0873	2007 DODGE RAM 3500 B DUMP TRUCK	PARKS		64,887				
0874	2008 FORD F350XL SUPER DUTY B TRUCK	PW ROW MAI			60,039			
<b>Class 325 - 14000 TO 20000 GVW TRUCKS (Life Cycle 9 - 11 Years)</b>								
0935	2005 FORD F550XL SALTER/PLOW	PW WINTERC						118,303
0936	2005 FORD F550XL SALTER/PLOW	PW WINTERC						118,303
0937	2005 FORD F550XL SALTER/PLOW	PW WINTERC						118,303
0938	2005 FORD F550XL SALTER/PLOW	PW WINTERC						118,303
0939	2008 FORD F550 DUMP B TRUCK SUPER DUTY	PW WINTERC		88,752				
0940	2008 FORD F550 DUMP B TRUCK SUPER DUTY	PW WINTERC		88,752				
0941	2013 FORD F550 FLAT BED B TRUCK	PARKS						84,297
<b>Class 330 - 22000 TO 28000 GVW TRUCKS (Life Cycle 10 - 12 Years)</b>								
0946	2008 STERLING ACTERRA CHIPPER TRUCK	FORESTRY					101,146	
<b>Class 360 - 33000 TO 35000 GVW TRUCKS (Life Cycle 10 - 12 Years)</b>								
0971	2010 NAVISTAR 7400 SFA DUMP SALTER PLOW	PW WINTERC					133,801	
<b>Class 365 - 50000-60000 GVW TRUCKS (Life Cycle 10 - 12 Years)</b>								
0991	2005 INTERNATIONAL 7500 HT570 SNOW PLOW	PW WINTERC		208,494				
0992	2007 STERLING LT8500 SNOW PLOW	PW WINTERC				144,872		
0993	2007 STERLING LT8500 SNOW PLOW	PW WINTERC				144,872		
0994	2007 STERLING LT8500 A TRUCK TDM DUMP	PARKS				144,872		
<b>Class 405 - 14 CU. YD. PACKER</b>								
1012	2015 FORD F550 14 CU YD PACKER	PARKS						136,762
<b>Class 435 - 20 CU. YD. 50000 GVW PACKERS (Life Cycle 8 - 10 Years)</b>								
1056	2005 FREIGHTLINER M2 2 MAN PACKER	PW ENVTL		181,631				
1059	2007 FREIGHTLINER M2 TANDEM PACKER	PW ENVTL			181,196			
<b>Class 440 - PACKER FRONT END LOADER (Life Cycle 8 - 10 Years)</b>								
1076	2007 MACK MR688S FEL 38 CU YD FANOTECH	PW ENVTL	277,930					
1077	2007 MACK MR688S FEL 38 CU YD FANOTECH	PW ENVTL	272,371					322,399

**FLEET REPLACEMENT SCHEDULE - CAPITAL BUDGET SUBMISSION - CORPORATE FLEET**

(source: FleetFocus as of July 10, 2015)

<u>Unit</u>	<u>Description</u>	<u>Department</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021+</u>
<b>Class 450 - 17 CU YARD SIDE LOADING PACKER (Life Cycle 8 - 10 Years)</b>								
1084	2015 FREIGHTLINER M2106 ONE-MAN PACKER	PARKS						257,445
1099	2007 FREIGHTLINER M2 17 YD PACKER	PW ENVTL			253,046			
<b>Class 506 - AERIAL TRUCK 22000 GVW (Life Cycle 10 - 12 Years)</b>								
1225	2001 FREIGHTLINER CONVENTIONAL FL60	SIGNALS		243,667				
1226	2001 FREIGHTLINER CONVENTIONAL FL60	SIGNALS		243,667				
1227	2005 FORD F550XL SUPER DUTY TRUCK	SIGNS&MARK				150,621		
1228	2007 STERLING ACTERRA AERIAL TRUCK	SIGNALS					226,470	
<b>Class 511 - AERIAL TRUCKS 33000 GVW (Life Cycle 10 - 12 Years)</b>								
1247	2010 FREIGHTLINER CONVENTIONAL AERIAL	FORESTRY						200,940
1248	2010 FREIGHTLINER CONVENTIONAL AERIAL	FORESTRY						200,940
<b>Class 520 - 6 CU YD. VACUUM STREET SWEEPER (Life Cycle 10 - 12 Years)</b>								
1263	2008 ELGIN WHIRLWIND MV-3043-D SWEEPER	PW ENVTL			238,677			
1264	2006 ELGIN WHIRLWIND MV-1064-D SWEEPER	PW ENVTL						299,294
1265	2006 ELGIN WHIRLWIND MV-1065-D SWEEPER	PW ENVTL		263,173				
1266	2004 ELGIN WHIRLWIND MV1050D SWEEPER	PW ENVTL	246,868					
<b>Class 529 - TRUCK WATER TANK (Life Cycle 20 Years)</b>								
1311	2008 STERLING ACTERRA WATER TRUCK	HORTICULT						
<b>Class 531 - SEWER JET VACTOR (Life Cycle 10 - 12 Years)</b>								
1319	2010 INTERNATIONAL WORK STAR VACTOR	PW SEWER						477,996
1321	2015 FREIGHTLINER 2100 VACTOR TRUCK	PW SEWER						482,052
<b>Class 535 - DUMP SPECIAL HIAB CRANE (Life Cycle 10 - 12 Years)</b>								
1327	2015 FREIGHTLINER M-2 CRANE/DUMP	FORESTRY						175,265
<b>Class 537 - LINE ROAD PAINTING TRUCK (Life Cycle 20 Years)</b>								
1331	2002 GMC T8500 LINETECH TM52275AA	SIGNS&MARK					621,986	
<b>Class 603 - SEWER RODDER - TRUCK MOUNTED (Life Cycle 12 - 15 Years)</b>								
1360	1999 FORD F450 XL MOUNTED SEWER RODDER	PW SEWER			164,027			
<b>Class 608 - SEWER BUCKET MACHINES (Life Cycle 20 Years)</b>								
1369	1985 SRECO PULLBACK SEWER BUCKET	PW SEWER			28,706			
1370	1985 SRECO LOADER	PW SEWER			28,573			
<b>Class 640 - BRUSH CHIPPER DIESEL (Life Cycle 10 - 15 Years)</b>								
1433	2013 VERMEER BC 1800XL WOOD CHIPPER	FORESTRY						80,949
1436	2007 VERMEER BRUSH CHIPPER 1800 XL TRAIL	FORESTRY				70,531		
1437	2011 VERMEER BC1000XL WOOD CHIPPER	FORESTRY					33,830	
1439	2013 VERMEER BC1500 WOOD CHIPPER	FORESTRY						54,554
<b>Class 650 - MISCELLANEOUS TRAILERS (Life Cycle 12 - 15 Years)</b>								

**FLEET REPLACEMENT SCHEDULE - CAPITAL BUDGET SUBMISSION - CORPORATE FLEET**

(source: FleetFocus as of July 10, 2015)

Unit	Description	Department	2016	2017	2018	2019	2020	2021+
1477	2000 NOBLE INDUSTRIES STRAIGHTLINE TRAIL	SIGNS&MARK		5,837				
1478	2000 NOBLE INDUSTRIES STRAIGHTLINE TRAIL	SIGNS&MARK		5,837				
1479	2000 NOBLE INDUSTRIES STRAIGHTLINE TRAIL	SIGNS&MARK		5,837				
1481	2002 FOREST RIVER CARGO TRAILER	SIGNS&MARK			2,911			
1487	2001 ROBCOL EXPC/5T TRAILER	SIGNALS			18,904			
1488	2001 ROBCOL EXPC/5T TRAILER	SIGNALS			18,904			
<b>Class 660 - 2 - 6 CU. YD. SALT SPREADERS (Life Cycle 9 - 11 Years)</b>								
0769S	2008 SNO-WAY SALTER 1.5 CU YD	PARKS			6,040			
0770S	2011 WESTERN 7800 7' 2.5 CU YD SALTER	PW WWPCP						4,524
0777S	2011 SNO-WAY 1.5 CU YD SALTER	PARK SERV						5,711
0780S	2013 WESTERN TORNADO SLIDE IN SPREADER	PARKS						6,055
0781S	2013 WESTERN TORNADO SLIDE IN SPREADER	PARKS						6,055
0782S	2015 SALTDogg 2.0 CU YD SALTER	PARKS						9,389
0871S	2008 FISHER PRO-CASTER SALT SPREADER	PW ENVTAL				5,014		
0873S	2011 WESTERN 2.5 CU YD ICE BREAKER SALT	PARKS					12,708	
0936S	2011 WESTERN 3.3 CU YD ICE BREAKER SALT	PW WINTERC					21,887	
0938S	2008 FISHER PRO-CASTER SALTER 3.3 CU YD	PW WINTERC				13,938		
0939S	2008 FISHER PRO-CASTER SALTER 3.3 CU YD	PW WINTERC				6,264		
0940S	2014 FISHER PRO-CASTER SALTER	PW WINTERC						18,827
<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					52,618	
0991S	2013 SCHMIDT STRATOS B70-42 SALTER COMBI	PW WINTERC						75,864
0992S	2004 SCHMIDT STRATOS V BODY SALTER	PW WINTERC			23,197			
0993S	2004 SCHMIDT STRATOS V BODY SALTER	PW WINTERC			70,489			
<b>Class 665 - LARGE SNOW PLOWS (Life Cycle 9 - 11 Years)</b>								
0971P	2011 VIKING CHIVES MONASHEE LARGE PLOW	PW WINTERC					64,044	
0991P	2015 VIKING-CIVES 11' SNOW PLOW	PW WINTERC						12,569
0992P	2008 VIKING LARGE PLOW 11'	PW WINTERC			27,804			
0993P	2008 VIKING LARGE PLOW 11'	PW WINTERC			27,804			
<b>Class 667 - SMALL SNOW PLOWS (Life Cycle 9 - 11 Years)</b>								
0769P	2007 FISHER SNOW PLOW 8'6" HD	PARKS			4,752			
0770P	2011 PRO PLOW 7.5 STEEL SNOW PLOW	PW WWPCP						6,692
0771P	2012 FISHER V SNOW PLOW	PW LRPCP				4,913		
0777P	2011 WESTERN SMALL PLOW 7.5 PRO STEEL	PARK SERV						6,526
0780P	2013 WESTERN SNOW PLOW 7.5' FULL TRIP	PARKS						5,983
0781P	2013 WESTERN SNOW PLOW 7.5 FULL TRIP	PARKS						5,983
0782P	2002 WESTERN SMALL PLOW 9' ULTRA MOUNT	PARKS						7,440

**FLEET REPLACEMENT SCHEDULE - CAPITAL BUDGET SUBMISSION - CORPORATE FLEET**

(source: FleetFocus as of July 10, 2015)

<u>Unit</u>	<u>Description</u>	<u>Department</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021+</u>	
0871P	2009 WESTERN PRO SMALL PLOW 8`6"	PW ENVTAL				17,051			
0873P	2007 WESTERN SMALL PLOW 9` ULTRA MOUNT	PARKS		8,480					
0936P	2004 WESTERN SMALL PLOW 9`	PW WINTERC	13,393						
0938P	2004 WESTERN SMALL PLOW 9`	PW WINTERC	8,880						
0939P	2015 WESTERN PRO PLUS 9` PLOW	PW WINTERC						11,421	
0940P	2015 WESTERN PRO PLUS 9 FOOT PLOW	PW WINTERC						11,421	
<b>Class 700 - FORK LIFTS (Life Cycle 20 Years)</b>									
1603	2013 HYUNDAI 25L-7A FORKLIFT	SIGNS&MARK							
<b>Class 710 - SNOWBLOWER DIESEL (Life Cycle 20 Years)</b>									
1620	1978 VOHL SNOW BLOWER	PW WINTERC					108,022		
<b>Class 735 - LAWN TRACTORS/RIDING MOWERS (Life Cycle 15 Years)</b>									
1672	2013 FRONT MOWER F3080 MOWER/BLOWER	PW LRPCP							
1673	2011 JOHN DEERE 1445 LAWN MOWER	PW WWPCP							
<b>Class 740 - FEL LOADER / BACKHOE (Life Cycle 15 Years)</b>									
1682	2000 JOHN DEERE LOADER TC54H	PW WINTERC							
1683	2005 CASE 621D 4 WHEEL LOADER	PARKS					187,648		
<b>Total Number of Active Units: 271</b>			<b>Subtotal:</b>	<b>1,435,208</b>	<b>2,434,226</b>	<b>2,100,883</b>	<b>1,188,410</b>	<b>2,559,193</b>	<b>5,952,419</b>
			<b>Unrecoverable HST:</b>	<b>25,263</b>	<b>42,847</b>	<b>36,980</b>	<b>20,918</b>	<b>45,047</b>	<b>104,774</b>
<b>Emergency Replacement Contingency:</b>				<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>
<b>Total Estimated Cost:</b>				<b>1,560,471</b>	<b>2,577,073</b>	<b>2,237,863</b>	<b>1,309,328</b>	<b>2,704,240</b>	<b>6,157,193</b>
<b>Budget Submission:</b>				<b>1,560,500</b>	<b>2,577,000</b>	<b>2,238,000</b>	<b>1,309,500</b>	<b>2,704,250</b>	<b>6,157,250</b>

**Notes:**

1. Estimated replacement cost represents the total cost plus an annual inflation factor from the date of purchase. The inflation factor is currently set to 2.5% for classes 305-537 & 740 and 1% for all others.
2. Fire and Rescue Services has a separate fleet replacement schedule. The replacement of Fire's small fleet is based on Public Works methodology.
3. 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 Summary

<b>Project #</b>	OPS-002-09	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Traffic Ops, Parking & Trans. Planning
<b>Title</b>	Video Detection/Infrastructure Upgrade		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>								
<p>Signalized systems are designed to provide coordination, reduce stops and delays and provide green times based on vehicle demand and adapt to ever-changing traffic conditions. Properly operating traffic signal systems provide significant cost savings to the motoring public by reducing stops and delays which results in increased fuel mileage, reduced maintenance costs, accidents and travel times. These improvements are very visible to the public. Less than optimal operation is often a source of driver frustration, leads to increased congestion and reduced roadway operation.</p> <p>Vehicle detection is the critical component needed to provide optimal traffic signal operation and obtain the benefits noted. After the enhanced capital budget of 2013 is fully implemented, there will be approximately 156 intersections operating on video detection with approximately 130 signalized intersections still to be converted.</p>				<p>This project would provide for Video Detection implementation and the associated infrastructure improvements required for its implementation. Historically, vehicle detection systems are embedded into road surfaces. Due to weather conditions (freeze-thaw cycles), vehicle wear and tear and roadway deterioration, the traditional vehicle detectors fail after 5 years of operations and much more quickly once road surfaces start to fracture. Video Detection Systems have progressed over the last five years, providing a reliable vehicle detection system which is not impacted by road conditions, weather or other external factors. Video detection is a prerequisite to the implementation of adaptive signal operation modules and strategies.</p> <p>Project funds in 2017 (\$500k) have been approved as a placeholder in the Enhanced 2013 Capital Budget (B26-2013) to fund additional video detection equipment and further approved by CR158/2013 therefore pre-committing those funds.</p>								
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
7132014												
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	0	0	0	5410 Construction Contracts - TCA								
2017	500,000	500,000	0		0	500,000	0	500,000	400,000	400,000	1,800,000	
2018	0	0	0									
2019	500,000	500,000	0									
2020	400,000	400,000	0									
2021+	400,000	400,000	0									
	<b>1,800,000</b>	<b>1,800,000</b>	<b>0</b>	<b>Revenues</b>								
				169 Pay As You Go - Capital Reserve								
					0	500,000	0	500,000	400,000	400,000	1,800,000	
					<b>Total :</b>	<b>0</b>	<b>500,000</b>	<b>0</b>	<b>500,000</b>	<b>400,000</b>	<b>400,000</b>	<b>1,800,000</b>
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>								
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>		
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>									
				No Operating Budget Impact								
<b>Related Projects</b>				<b>Operating Budget Impact</b>								
<b>Project Title</b>												
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>				
2009	January 01, 2017	Growth: Maintenance:		John Wolf				Ongoing				



# Project Summary

<b>Project #</b>	OPS-001-10	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Traffic Ops, Parking & Trans. Planning
<b>Title</b>	LED Signal Replacement		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>								
<p>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. The brightness of the LEDs older than 5-years is monitored regularly for re-prioritization in the LED replacement plan. Visual inspection will be undertaken to prioritize the locations requiring LED replacement annually.</p>				<p>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 on Huron Church Road and will continue on this arterial until completed. We will then continue with prior list.</p>								
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
7109004												
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	50,000	50,000	0	5410 Construction Contracts - TCA								
2017	250,000	250,000	0		50,000	250,000	0	250,000	300,000	600,000	1,450,000	
2018	0	0	0									
2019	250,000	250,000	0									
2020	300,000	300,000	0									
2021+	600,000	600,000	0									
	<b>1,450,000</b>	<b>1,450,000</b>	<b>0</b>	<b>Revenues</b>								
				169 Pay As You Go - Capital Reserve								
					50,000	250,000	0	250,000	300,000	600,000	1,450,000	
					<b>Total :</b>	<b>50,000</b>	<b>250,000</b>	<b>0</b>	<b>250,000</b>	<b>300,000</b>	<b>600,000</b>	<b>1,450,000</b>
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>								
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>			<b>Exp/(Rev)</b>	<b>FTE Impact</b>			
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	Unknown	Upgraded equipment will yield lower maintenance costs.			0	0			
2010	50,000	50,000	0									
2011	50,000	50,000	0									
2012	50,000	50,000	0									
2013	50,000	50,000	0									
2014	50,000	50,000	0									
2015	50,000	50,000	0									
<b>Related Projects</b>				<b>Project Title</b>								
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>				
2010	January 01, 2015	Growth:0.0% Maintenance:100.0%		John Wolf				Ongoing				



# Project Summary

<b>Project #</b>	OPS-002-10	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Gateway Corridor Enhancements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	Ward 10		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>								
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.												
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>	
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<b>Expenses</b>								
2016	0	0	0	5410 Construction Contracts - TCA								
2017	0	0	0		0	0	0	200,000	0	0	200,000	
2018	0	0	0									
2019	200,000	200,000	0									
2020	0	0	0									
2021+	0	0	0									
	<b>200,000</b>	<b>200,000</b>	<b>0</b>	<b>Revenues</b>								
				169 Pay As You Go - Capital Reserve								
					0	0	0	200,000	0	0	200,000	
					<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>200,000</b>
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>								
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>									
				No Operating Budget Impact								
<b>Related Projects</b>				<b>Operating Budget Impact</b>								
<b>Project Title</b>												
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>				
2010	January 01, 2019	Growth: Maintenance:		Mark Winterton				2019				



# Project Summary

<b>Project #</b>	OPS-001-11	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Minor Alley Maintenance		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version 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.											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7121000											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	100,000	100,000	0	5410 Construction Contracts - TCA							
2017	100,000	100,000	0		100,000	100,000	0	100,000	100,000	1,550,000	1,950,000
2018	0	0	0	<b>Total :</b>	100,000	100,000	0	100,000	100,000	1,550,000	1,950,000
2019	100,000	100,000	0	<b>Revenues</b>							
2020	100,000	100,000	0	169 Pay As You Go - Capital Reserve							
2021+	1,550,000	1,550,000	0		100,000	100,000	0	100,000	100,000	1,550,000	1,950,000
	<b>1,950,000</b>	<b>1,950,000</b>	<b>0</b>	<b>Total :</b>	100,000	100,000	0	100,000	100,000	1,550,000	1,950,000
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
2014	100,000	100,000	0								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
				Unknown	Any budget deferral in approved funding will result in increased operating costs for temporary repairs and patching as required.				0	0	
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2011	January 01, 2016	Growth:0.0% Maintenance:100.0%		Phong Nguy				Ongoing			



# Project Summary

<b>Project #</b>	OPS-002-11	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Minor Road Rehabilitation		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<p><b>Project Description</b></p> <p>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 would address 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 and pavements and concrete road panel repairs to extend the life cycle where possible.</p>	<p><b>Version Description</b></p> <p>CR131/2014, Report #17162 approved a new Municipal Funding Agreement for the Gas Tax Funds in the years 2014-2018. As a result, additional Gas Tax funds received are allocated to this project freeing up F169 Pay-As-You-Go funds earmarked for Fire Hall #8.</p>																																																																																																																										
<p><b>Project Comments/Reference</b></p> <p>7111023</p>	<p><b>Version Comments</b></p>																																																																																																																										
<p><b>Project Forecast</b></p> <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>2016</td> <td>250,000</td> <td>250,000</td> <td>0</td> </tr> <tr> <td>2017</td> <td>250,000</td> <td>250,000</td> <td>0</td> </tr> <tr> <td>2018</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>2019</td> <td>400,000</td> <td>400,000</td> <td>0</td> </tr> <tr> <td>2020</td> <td>250,000</td> <td>250,000</td> <td>0</td> </tr> <tr> <td>2021+</td> <td>5,750,000</td> <td>5,750,000</td> <td>0</td> </tr> <tr> <td></td> <td><b>6,900,000</b></td> <td><b>6,900,000</b></td> <td><b>0</b></td> </tr> </tbody> </table>	Year	Total Expense	Revenue		Net City Cost	Subsidies	2016	250,000	250,000	0	2017	250,000	250,000	0	2018	0	0	0	2019	400,000	400,000	0	2020	250,000	250,000	0	2021+	5,750,000	5,750,000	0		<b>6,900,000</b>	<b>6,900,000</b>	<b>0</b>	<p><b>Project Detailed Forecast</b></p> <table border="1"> <thead> <tr> <th>GL Account</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021+</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td colspan="8"><b>Expenses</b></td> </tr> <tr> <td>5410 Construction Contracts - TCA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>250,000</td> <td>250,000</td> <td>0</td> <td>400,000</td> <td>250,000</td> <td>5,750,000</td> <td>6,900,000</td> </tr> <tr> <td>Total :</td> <td>250,000</td> <td>250,000</td> <td>0</td> <td>400,000</td> <td>250,000</td> <td>5,750,000</td> <td>6,900,000</td> </tr> <tr> <td colspan="8"><b>Revenues</b></td> </tr> <tr> <td>169 Pay As You Go - Capital Reserve</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>113,484</td> <td>113,484</td> <td>0</td> <td>400,000</td> <td>113,484</td> <td>5,750,000</td> <td>6,490,452</td> </tr> <tr> <td>176 Federal Gas Tax Rebate</td> <td></td> <td></td> <td></td> <td>0</td> <td>136,516</td> <td>0</td> <td>409,548</td> </tr> <tr> <td></td> <td>136,516</td> <td>136,516</td> <td>0</td> <td>0</td> <td>136,516</td> <td>0</td> <td>409,548</td> </tr> <tr> <td>Total :</td> <td>250,000</td> <td>250,000</td> <td>0</td> <td>400,000</td> <td>250,000</td> <td>5,750,000</td> <td>6,900,000</td> </tr> </tbody> </table>	GL Account	2016	2017	2018	2019	2020	2021+	Total	<b>Expenses</b>								5410 Construction Contracts - TCA									250,000	250,000	0	400,000	250,000	5,750,000	6,900,000	Total :	250,000	250,000	0	400,000	250,000	5,750,000	6,900,000	<b>Revenues</b>								169 Pay As You Go - Capital Reserve									113,484	113,484	0	400,000	113,484	5,750,000	6,490,452	176 Federal Gas Tax Rebate				0	136,516	0	409,548		136,516	136,516	0	0	136,516	0	409,548	Total :	250,000	250,000	0	400,000	250,000	5,750,000	6,900,000
Year			Total Expense	Revenue																																																																																																																							
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## Project Summary

<b>Project #</b>	OPS-002-11	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Minor Road Rehabilitation		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2011	January 01, 2015	Growth:0.0% Maintenance:100.0%	Phong Nguy	Ongoing



# Project Summary

<b>Project #</b>	OPS-003-11	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Traffic Ops, Parking & Trans. Planning
<b>Title</b>	Parking Enforcement - Handheld Replacements		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
Replacement of the handheld units used by the Parking Enforcement Division need to be purchased. The contractor officers use the handhelds to write tickets and generate parking enforcement data, which the City then uses to collect the funds. The data is the City's property and the handhelds that generate that data were always intended to remain the property of the City, as per Council report and business case CR292/2010, Report #14806. The City and the contractor providing Parking Enforcement services require 16 units, which are expected to reach the end of their useful life in approximately 2020.				The life expectancy of the units is in the order of 6-8 years at which time the units are to be replaced. Older units operate less efficiently, process tickets slower, and are prone to issuing incorrect tickets as buttons become worn or stick. Prior to the initial purchase of these handheld units in 2012, an average of \$450,000 in annual revenues were lost due to cancelled or reduced tickets. These lost revenues have dropped to \$205k for 2013, \$100k for 2014, and \$38K for 2015 as of June 30th, due in large part to these handhelds and the photos which are taken by these handheld ticket writers. Handheld unit replacement should occur in 2020+.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
(Closed: 7121010)											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5125 Computers - PCs							
2017	0	0	0		0	0	0	0	0	175,000	175,000
2018	0	0	0								
2019	0	0	0								
2020	0	0	0								
2021+	175,000	175,000	0								
	<b>175,000</b>	<b>175,000</b>	<b>0</b>	<b>Revenues</b>							
				169 Pay As You Go - Capital Reserve							
					0	0	0	0	0	175,000	175,000
					<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>175,000</b>	<b>175,000</b>
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
2012	151,200	151,200	0								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
				No Operating Budget Impact							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2011	January 01, 2021	Growth: Maintenance:		John Wolf				2020+			



# Project Summary

<b>Project #</b>	OPS-001-13	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Traffic Ops, Parking & Trans. Planning
<b>Title</b>	Parking Equipment Replacement		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version 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.				2016: \$32,000 - Parking Meters; \$30,000 - Exit Gate purchase/replacement in parking garages 2017: \$15,000 - Parking Meters; \$32,000 - Pay Station upgrade to pinpad technology for credit/debit card payments in Garage 3 (Riverside); \$15,000 - Exit Gate purchase/replacement in parking garages 2018: \$32,000 - Parking Meters 2019: \$18,000 - Parking Meters; \$32,000 - Pay Station upgrade to pinpad technology for credit/debit card payments in Garage 3 (Riverside) 2020: \$20,000 Pay & Display Machines; \$30,000 Entry Gate purchase/replacement							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7135001											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	62,000	62,000	0	5110 Machinery & Equipment - TCA							
2017	62,000	62,000	0		62,000	62,000	32,000	50,000	50,000	748,000	1,004,000
2018	32,000	32,000	0	<b>Total :</b>	62,000	62,000	32,000	50,000	50,000	748,000	1,004,000
2019	50,000	50,000	0	<b>Revenues</b>							
2020	50,000	50,000	0	138 Off Street Parking							
2021+	748,000	748,000	0		62,000	62,000	32,000	50,000	50,000	748,000	1,004,000
	<b>1,004,000</b>	<b>1,004,000</b>	<b>0</b>	<b>Total :</b>	62,000	62,000	32,000	50,000	50,000	748,000	1,004,000
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
2013	106,000	106,000	0								
2014	92,000	92,000	0								
2015	72,000	72,000	0								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2013	January 01, 2015	Growth:0.0% Maintenance:100.0%		John Wolf				Ongoing			





# Project Summary

<b>Project #</b>	OPS-002-14	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Enhanced Capital Road Rehabilitation Placeholder		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
As per the 2014 Enhanced Capital Plan, Council approved in principle funds from the 2018 Debt Reduction Levy for road rehabilitation.				As per CR89/2014, Report #17088, Council formerly approved the Road Rehabilitation project allocation. Spending has been projected as follows: 2014: \$2,072,000 - Pillette - Seminole to Tecumseh - \$972k, per CR103/2015; Avondale/Radisson/Rockwell - E.C. Row to Grand Marais - \$1.1m 2015: \$1,100,000 - Huron Church - Dorchester to Malden 2017: \$1,100,000 - Huron Church - Dorchester to Malden 2018: \$1,089,000 - Huron Church - Dorchester to Malden Funding for Huron Church is identified in each year to accumulate sufficient funding for the project to begin. The 2015 through 2018 plan COULD change if we receive "connecting link funding". If the City is successful in obtaining other government funding for Huron Church, this list will be updated to address additional deficient roads.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7145004				A report was approved by Council on January 18th, 2016 seeking Council's approval for a Grant Application submission for \$3m in available funding from MTO.							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	5,489,000	0	0	0	5,489,000
2018	5,489,000	5,489,000	0	<b>Total :</b>	0	0	5,489,000	0	0	0	5,489,000
2019	0	0	0	<b>Revenues</b>							
2020	0	0	0	169 Pay As You Go - Capital Reserve							
2021+	0	0	0		0	0	5,489,000	0	0	0	5,489,000
	<b>5,489,000</b>	<b>5,489,000</b>	<b>0</b>	<b>Total :</b>	0	0	5,489,000	0	0	0	5,489,000
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
				No Operating Budget Impact							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2014	October 01, 2014	Growth: Maintenance:		Mark Winterton				2018			



# Project Summary

<b>Project #</b>	OPS-003-14	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Traffic Ops, Parking & Trans. Planning
<b>Title</b>	University Avenue Complete St. - Huron Church Rd. to McDougall Ave. Placeholder		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	Ward 2, Ward 3		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
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.				As per CR89/2014, Report #17088, Council approved the University Avenue Complete Street project.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7144008											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	5,000,000	0	0	0	5,000,000
2018	5,000,000	5,000,000	0								
2019	0	0	0								
2020	0	0	0								
2021+	0	0	0								
	<b>5,000,000</b>	<b>5,000,000</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>5,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,000,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		169 Pay As You Go - Capital Reserve							
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>		0	0	5,000,000	0	0	0	5,000,000
				<b>Total :</b>	<b>0</b>	<b>0</b>	<b>5,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,000,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
				Unknown	The results of the ESR could influence the on-going operating expenses				0	0	
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2014	January 01, 2015	Growth: Maintenance:		Josette Eugeni				2018			



# Project Summary

<b>Project #</b>	OPS-001-15	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fleet
<b>Title</b>	Replacement of Parks Equipment		
<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>				<b>Version Description</b>								
This project is for the replacement of Parks Off-Road equipment.				Please see document attached for Parks Equipment Replacement schedule.  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.  The Parks & Recreation departments have experienced significant growth with gateways, vacant lots, WFCU, etc. The Parks' off-road equipment inventory has grown with the workload but at the neglect of existing replacement needs.								
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
See Document Attached 7151005 / 7161001				CR184/2015, Report #17936 approved the purchase of one (1) All-Wheel Steer Loader as a pre-commitment of \$43,000 (excluding HST) from the 2016 Parks Equipment capital budget. (Project ID 7161001)								
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>		<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	702,000	702,000	0	5110 Machinery & Equipment - TCA								
2017	544,000	544,000	0	702,000		544,000	584,000	200,000	748,000	3,871,285	6,649,285	
2018	584,000	584,000	0	Total :		702,000	544,000	584,000	200,000	748,000	3,871,285	6,649,285
2019	200,000	200,000	0	<b>Revenues</b>								
2020	748,000	748,000	0	169 Pay As You Go - Capital Reserve								
2021+	3,871,285	3,871,285	0	702,000		544,000	584,000	200,000	748,000	3,871,285	6,649,285	
	<b>6,649,285</b>	<b>6,649,285</b>	<b>0</b>	Total :		702,000	544,000	584,000	200,000	748,000	3,871,285	6,649,285
<b>Historical Approved Budget</b>												
		<b>Revenue</b>										
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>									
2015	345,060	345,060	0									
<b>Related Projects</b>				<b>Operating Budget Impact</b>								
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>			<b>Exp/(Rev)</b>	<b>FTE Impact</b>			
				Unknown	Deferral of replacements contributes to increased repair and operating costs as users require units to be operational to meet expected service levels.			0	0			
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>				
2015	January 01, 2015	Growth:0.0% Maintenance:100.0%		Angela Marazita				Ongoing				

<u>Unit</u>	<u>Description</u>	<u>Purchased</u>	<u>Age</u>	<u>Total Cost</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
<b>ZAMBONIS (Life Cycle 8-10 Years)</b>									
D72	ZAMBONI ICE RESURFACING MACHINE	2002	13	\$66,574					
D73	ZAMBONI ICE RESURFACING MACHINE	1999	16	\$65,825		\$102,664			
D74	ZAMBONI ICE RESURFACING MACHINE	2008	7	\$83,888					
D75	ZAMBONI ICE RESURFACING MACHINE	1997	18	\$63,955	\$102,242				
D77	ZAMBONI ICE RESURFACING MACHINE	2009	6	\$79,563					
D79	ZAMBONI ICE RESURFACING MACHINE	2001	14	\$56,533				\$88,172	
D80	ZAMBONI ICE RESURFACING MACHINE	2000	15	\$60,000			\$93,580		
D81	ZAMBONI ICE RESURFACING MACHINE	2003	12	\$66,000					
D82	ZAMBONI ICE RESURFACING MACHINE	2005	10	\$69,400					
D83	ZAMBONI ICE RESURFACING MACHINE	2014	1	\$99,823					
D84	ZAMBONI ICE RESURFACING MACHINE	2015	0	\$94,837					
<b>MOWERS (Life Cycle 10-12 Years)</b>									
A30	TORO MODEL 5900 WINGED MOWER	2014	1	\$71,000					
A31	JACOBSEN WINGED MOWER MODEL 9016	2008	7	\$57,000			\$72,965		
A32	JACOBSEN WINGED MOWER MODEL 9016	2009	6	\$76,492					
A33	JACOBSEN WINGED MOWER MODEL 9016	2009	6	\$76,492					
A46	JACOBSEN HR-9016 Turbo 16 foot cut	2015	0	\$84,671					
A38	TORO MODEL 5900 WINGED MOWER	2014	1	\$71,000					
A47	JACOBSEN HR-9016 Turbo 16 foot cut	2015	0	\$84,671					
A45	TORO GROUNDSMASTER 580-D MODEL 30581	2004	11	\$74,635	\$84,376				
A80	TORO GROUNDSMASTER 580-D 16'	2006	9	\$65,200		\$85,548			
A81	TORO GROUNDSMASTER 580-D 16'	2007	8	\$64,900		\$83,077			
A34	JACOBSEN WINGED MOWER MODEL 9016	2010	5	\$68,520					
A43	JACOBSEN WINGED MOWER MODEL HR-15	1996	19	\$66,441				\$117,243	
A12	JOHN DEERE, WIDE AREA MOWER - 1600(Model)	2002	13	\$42,900	\$60,617				
A55	TORO GROUNDSMASTER 4000D 10FT	2014	1	\$56,000					
A58	TORO GROUNDSMASTER 4000D 10FT	2014	1	\$56,000					
A60	TORO GROUNDSMASTER 4000D 10FT	2011	4	\$44,286					
A61	TORO GROUNDSMASTER 4000D 10FT	2011	4	\$44,286					
A62	TORO GROUNDSMASTER 4000D10FT	2011	4	\$44,286					
A63	TORO GROUNDSMASTER 4000D10FT	2011	4	\$44,286					
A68	TORO GROUNDSMASTER 4000D 10'	2003	12	\$52,579		\$74,293			
A69	TORO GROUNDSMASTER 4000D 10'	2003	12	\$52,579		\$74,293			
A70	TORO GROUNDSMASTER 4000D 10' (recd 2004)	2003	12	\$52,000			\$75,312		
A71	TORO GROUNDSMASTER 4000D 10'	2003	12	\$52,000			\$75,312		
A	JACOBSEN R- 311T 4F	2015	0	\$57,550					
A	JACOBSEN R- 311T 4F	2015	0	\$57,550					

<u>Unit</u>	<u>Description</u>	<u>Purchased</u>	<u>Age</u>	<u>Total Cost</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
A75	JACOBSEN HR-6010 - 10'	2005	10	\$42,000	\$55,108				
A82	JACOBSEN HR-6010 - 10'	2008	7	\$36,000		\$44,959			
Z-2	KUBOTA ZERO STEER MODEL ZD-331 16'	2011	4	\$16,357			\$19,443		
Z-3	KUBOTA ZERO STEER MODEL ZD-331 16'	2011	4	\$16,357					
Z-5	KUBOTA ZERO STEER MODEL ZD-331 16'	2011	4	\$16,355					
Z-6	KUBOTA ZERO STEER MODEL ZD-331 16'	2008	7	\$16,355	\$19,927				
Z-7	KUBOTA ZERO STEER MODEL ZD-331RP 16'	2012	3	\$14,500					
Z-8	KUBOTA ZERO STEER MODEL ZD-331RP 16'	2012	3	\$14,500					
Z-9	KUBOTA ZERO STEER MODEL ZD-331RP 16'	2012	3	\$14,500					
Z-10	KUBOTA ZERO STEER MODEL ZD-331RP 16'	2012	3	\$14,500					
A36	KUT-KWICK- SLOPE MASTER- SSM38 SERIES	2001	14	\$72,163	\$61,514				
A-36-2	KUT-KWICK- SLOPE MASTER- SSM38 SERIES	2011	4	\$76,000					
A64	TORO 4500-D GROUNDMASTER STRIPER	2013	2	\$75,583					
A66	RANSOME SPORTS STRIPER- AR250 945010	2000	15	\$60,835	\$90,310				
A76	KUBOTA MOWER/PAINT STRIPER	2011	4	\$38,000					
A99	SPIDER REMOTE CONTROLLED MOWER	2008	7	\$34,500					\$46,399
<b>ALL TERRAIN VEHICLES (Life Cycle 8-10 Years)</b>									
F9	CLUB CAR CARRYALL 272	2010	5	\$10,500					
F10	CLUB CAR CARRYALL 272	2010	5	\$10,500					
F11	CLUBCAR CARRYALL II	1995	20	\$6,550	\$11,001				
F12	CLUBCAR CARRYALL II	1995	20	\$6,550	\$11,001				
F13	CLUBCAR CARRYALL II	1995	20	\$6,550	\$11,001				
F14	CLUBCAR CARRYALL II	1996	19	\$6,550	\$10,733				
F15	CLUBCAR CARRYALL II	1996	19	\$6,550	\$10,733				
F16	CLUBCAR CARRYALL II	1997	18	\$6,550	\$10,471				
F17	CLUBCAR CARRYALL II	1997	18	\$6,550		\$10,733			
F18	CLUBCAR CARRYALL II	1997	18	\$6,550			\$11,001		
F19	CLUBCAR CARRYALL XRT	1999	16	\$10,674			\$17,065		
F20	CLUBCAR CARRYALL XRT	1999	16	\$10,674			\$17,065		
F21	PIONEER BOBCAT CLUBCAR ALL TERRAIN	2001	14	\$12,152					\$19,427
F22	PIONEER BOBCAT CLUBCAR ALL TERRAIN	2001	14	\$12,152					\$19,427
F23	BOBCAT MODEL 3200 ALL TERRAIN	2011	4	\$9,500					
F24	PIONEER BOBCAT CLUBCAR ALL TERRAIN	2001	14	\$12,152					\$19,427
F25	PIONEER BOBCAT CLUBCAR ALL TERRAIN	2001	14	\$12,152					\$19,427
F26	BOBCAT WORKMATE ALL MATERIAL TRANSP.	2003	12	\$12,152					\$18,491
F27	BOBCAT WORKMATE ALL MATERIAL TRANSP.	2003	12	\$12,152					\$18,491
F28	BOBCAT WORKMATE ALL MATERIAL TRANSP.	2003	12	\$12,152					\$18,491
F29	BOBCAT WORKMATE ALL MATERIAL TRANSP.	2003	12	\$12,152					\$18,491

<u>Unit</u>	<u>Description</u>	<u>Purchased</u>	<u>Age</u>	<u>Total Cost</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
F33	CLUBCAR CARRYALL - Manual Dump (rec'd 2006)	2004	11	\$8,500					\$12,618
F34	CLUBCAR 272 (rec'd 2006)	2004	11	\$9,500					\$14,103
F35	CLUBCAR 272 (rec'd 2006)	2006	9	\$9,000					\$12,717
F37	JOHN DEERE 4X4 UTILITY VEHICLE GATOR	2006	9	\$11,800					\$16,673
F38	BOBCAT 5600 TURBO TOOLCAT	2006	9	\$31,109	\$39,822				
F38-2	BOBCAT TOOLCAT MODEL 5600-F W SPREADER	2013	2	\$53,000					
F38-3	BOBCAT TOOLCAT MODEL 5600-F	2013	2	\$55,000					
F38-4	BOBCAT TOOLCAT MODEL 5600-F	2013	2	\$55,000					
F39	PIONEER BOBCAT CLUBCAR ALL TERRAIN	2001	14	\$12,152					\$19,427
F52	CLUBCAR CARRYALL II	1996	19	\$6,550					\$11,847
	ART CART	-	-	-	\$16,000				
<b>TRACTORS (Life Cycle 25-28 Years)</b>									
A01	KUBOTA L3240D TRACTOR	2010	5	\$21,000					
A04	CASE TRACTOR/CAB & LOADER MOD.CX50A	1999	16	\$57,365					
A07	KUBOTA TRACTOR C/W LOADER & CAB	1997	18	\$31,050					
A08	KUBOTA TRACTOR,SNOW BLOWER	1985	30	\$26,225					\$62,238
A10	KUBOTA TRACTOR C/W FRONT END LOADER	1995	20	\$33,913		\$58,384			
A13	KUBOTA TRACTOR MODEL 2550DT	1987	28	\$12,888					\$29,112
A14	INTERNATIONAL MODEL 5088 TRACTOR	1993	22	\$20,000			\$37,079		
A16-1	KUBOTA MODEL L-3940 TRACTOR (CAB)	2011	4	\$36,880					
A16-2	KUBOTA MODEL L-3940 TRACTOR	2011	4	\$36,892					
A16-3	KUBOTA MODEL L-3940 TRACTOR (CAB)	2011	4	\$27,682					
A16-5	KUBOTA MODEL L-3940 TRACTOR	2011	4	\$36,880					
A16-7	KUBOTA MODEL L-3940 TRACTOR	2011	4	\$27,682					
A16-8	KUBOTA MODEL L-3940 TRACTOR	2011	4	\$27,682					
A16-10	KUBOTA MODEL L-3940 TRACTOR (CAB)	2011	4	\$27,682					
A19-1	FORD TRACTOR 250C FREY LOADER-93	1990	25	\$13,888					\$29,131
A19-2	FORD TRACTOR 250C FREY LOADER-93	1990	25	\$13,888					\$29,131
A19-3	FORD TRACTOR 250C	1990	25	\$13,888					\$29,131
A56	JOHN DEERE TRACTOR (INTERSTATER)	1988	27	\$48,647					
<b>SKID STEER/LOADERS (Life Cycle 20-22 Years)</b>									
A03	MELROE BOBCAT UNI-LOADER MODEL 873	1999	16	\$32,996					
A11	MELROE BOBCAT UNI-LOADER MODEL A300 TURBO	2004	11	\$46,000	\$43,000				
A15	BOBCAT MODEL S-750 SKID STEER LOADER	2013	2	\$66,527					
A17	MELROE BOBCAT UNI-LOADER S-300	2011	4	\$36,000					
<b>FORKLIFT (Life Cycle 20-22 Years)</b>									
A02	CLARK MATERIAL HANDLING FORK LIFT	2002	13	\$25,000					
E51	JCB FORK LIFT - MODEL JCB 930	1989	26	\$64,121			\$131,218		

<u>Unit</u>	<u>Description</u>	<u>Purchased</u>	<u>Age</u>	<u>Total Cost</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	
<b>RAKE (Life Cycle 10-12 Years)</b>										
E41	TORO MODEL 3040 SAND PRO	2013	2	\$17,614						
E-41-1	SMITHCO BUNKER RAKE MODEL 42000-C	2002	13	\$18,300	\$25,857					
E-41-2	SMITHCO BUNKER RAKE MODEL 42-000C	2003	12	\$18,900	\$26,054					
E-41-3	SMITHCO BUNKER RAKE MODEL 42-000D	2003	12	\$16,000			\$23,173			
E-41-4	SMITHCO BUNKER RAKE MODEL 42-000-F	2012	3	\$17,000						
E-41-5	SMITHCO BUNKER RAKE MODEL 42-000-B	2012	3	\$15,000						
E-41-6	TORO MODEL 3040 SAND PRO	2014	1	\$18,695						
<b>ATTACHMENTS (Life Cycle 20-22 Years)</b>										
A20	WOOD 15' FLEXIBLE WINGED MOWER 3180-3	2002	13	\$15,888						
A21	TERRAN KING 15' ROTARY MOWER	1989	26	\$10,478					\$22,528	
A25	WOODS 15' - TOW TYPE ROTARY MOWER	2003	12	\$16,592						
C87	BARBER SURF-RAKE (BEACH CLEANER)	1988	27	\$28,418					\$62,626	
C98	BANNERMAN LEAF AIR RAKE	1984	31	\$12,560					\$30,553	
E21	TY-CROP TOP DRESSER	2005	10	\$12,000						
E22-1	BANNERMAN SUPER-JET AERATOR	2001	14	\$15,525						
E22-2	BANNERMAN QUICK SLITT SEEDER	2001	14	\$19,550						
E25	DAIRON SOIL RENOVATOR AND SEEDER	1997	18	\$21,160					\$37,339	
E43	NOLTE SAND CLEANER MD-BC1000	2001	14	\$17,244						
E48	BANNERMAN TOP DRESSING MACHINE	2006	9	\$11,800						
E78	TURFCO CR-7 SEEDER	2011	4	\$17,900						
E79	BANNERMAN SCARIFIER	2011	4	\$19,100						
M-1	SNOW BLADE	2008	7	\$17,713						
<b>CULTIVATORS (Life Cycle 15-17 Years)</b>										
E02	DOWDESWELL 24" CULTIVATOR	1990	25	\$9,504					\$19,935	
<b>TRAILERS (Life Cycle 20-22 Years)</b>										
C11-2	CANADIAN TRAILER TIP MODEL	2009	6	\$10,000						
C11-3	CANADIAN TRAILER	2012	3	\$10,000						
C84	BROUWER 12 CU YD TRAILER VAC	1995	20	\$29,762					\$55,177	
C90	BROUWER 12 CU.YD. TRAILER VAC	1992	23	\$20,500					\$40,928	
C97	HYDRATION STATION - Do Not Replace	2013	2	\$48,703						
<b>Totals:</b>		<b>115</b>			<b>\$689,766</b>	<b>\$533,951</b>	<b>\$573,211</b>	<b>\$205,415</b>	<b>\$733,284</b>	
					Unrecoverable HST:	\$12,140	\$9,398	\$10,089	\$3,615	\$12,906
					Total Estimated Cost:	\$701,906	\$543,348	\$583,299	\$209,030	\$746,190
					<b>Budget Submission:</b>	<b>702,000</b>	<b>544,000</b>	<b>584,000</b>	<b>200,000</b>	<b>748,000</b>

Note: Estimated replacement cost represents total cost plus an annual inflation factor of 2.5% from the date of purchase.



# Project Summary

<b>Project #</b>	OPS-002-16	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fleet
<b>Title</b>	Fuel Site Automation		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>								
<p>The City of Windsor owns and operates 10 corporate fuel sites. Five of the sites are automated with the City's fuel management system. The remaining five sites are located at Fire stations across the city and rely on manual records. The Fire fuel sites are as follows:</p> <p>Station # 1 – 815 Goyeau Street            Station # 2 – Chandler and Milloy            Station # 3 – 2750 Ouellette            Station # 5 – Daytona and Northway            Apparatus – 2885 Kew Drive</p> <p>Stations #2 and #5 are already accounted for in other active capital projects for the new Fire stations. This project is to address the implementation of the City's fuel management system (FuelFocus) at the remaining 3 sites.</p>				<p>Implementation of the automated fuel management system will result in many benefits including the following:</p> <ul style="list-style-type: none"> <li>• Greater efficiency – Because FuelFocus is integrated with our current Fleet Management System, all pertinent information is maintained in a single database eliminating the need for multiple systems which will improve the efficiency of the operation and provide for adequate financial controls. It will also eliminate human error inherent with manual data entry.</li> <li>• Cost Savings – FuelFocus will not allow operators to pump more fuel into their vehicle than its known fuel tank capacity, or allow the wrong type of fuel to be dispensed.</li> <li>• Accuracy and Consistency of Information – With a single data source, key information is always current (e.g. work information, fuel transactions). The timeliness of preventative maintenance scheduling is improved with more accurate hour meter and odometer readings. It also will restrict access to unauthorized users.</li> </ul> <p>The estimated cost for this project includes the purchase of hardware for each site, software licenses and installation services.</p>								
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
7161032												
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>		<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	25,000	25,000	0	5410 Construction Contracts - TCA								
2017	0	0	0			25,000	0	0	0	0	50,000	75,000
2018	0	0	0									
2019	0	0	0									
2020	0	0	0									
2021+	50,000	50,000	0									
	<b>75,000</b>	<b>75,000</b>	<b>0</b>	<b>Revenues</b>								
				169 Pay As You Go - Capital Reserve								
						25,000	0	0	0	0	50,000	75,000
						<b>Total :</b>	<b>25,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>75,000</b>
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>								
		<b>Revenue</b>		<b>Effective Date</b>		<b>Description</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>Related Projects</b>				<b>Operating Budget Impact</b>								
<b>Project Title</b>				No Operating Budget Impact								
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>				
2016	January 01, 2016	Growth:0.0% Maintenance:100.0%		Angela Marazita								





# Project Summary

<b>Project #</b>	OPS-003-16	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Traffic Ops, Parking & Trans. Planning
<b>Title</b>	Audible Traffic Signals		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>																																																																																																																	
<p>On January 1, 2016 ODA legislation requires the installation of audible pedestrian signals under three scenarios, 1) at new traffic signals, 2) at signals which are being upgraded and 3) at locations where more than 50% of pedestrian heads are being replaced. The budget for new and upgraded signals are included in the appropriate new capital program 7045076 - New Signals &amp; Signal Systems Improvements however, there is no budget allocation for those locations under scenario 3. The cost to implement audible pedestrian signals for an all directional crossing (4 crosswalks at the intersection) is approximately \$9,000.</p>				<p>Funds will be used to install audible signals at intersections where they are required.</p>																																																																																																																	
<b>Project Comments/Reference</b>				<b>Version Comments</b>																																																																																																																	
7045076				<p>Note that it is being recommended that this request be presented to the ODA committee and if approved funded from capital project 7086008 - Accessibility-ODA Requirements.</p>																																																																																																																	
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>																																																																																																																	
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2016	January 01, 2016	Growth: Maintenance:		John Wolf				Ongoing																																																																																																													



# Project Summary

<b>Project #</b>	OPS-004-16	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Rail Crossing Safety Assessments		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
<p>Effective November 2014, Transport Canada introduced amendments to the Grade Crossing Regulations. The Road Authorities and the Rail Companies are now required to exchange specific detailed data with respect to at grade rail crossings on the public right-of-way, and the information exchange must be completed in 2016. The regulation changes will require the completion of safety assessments by both Municipalities and the Rail companies on each of their respective properties to determine if each crossing is in compliance with the new regulations, and what upgrades may be required. The City of Windsor has 60 at grade rail crossings to be assessed, and the new standards must be met by 2021.</p>				<p>Safety assessments of 60 crossings are required to identify upgrades required under new regulations. The cost per crossing to complete the assessment is projected at \$5,000 per crossing or \$300,000 in total.</p> <p>There are annual Federal cost sharing opportunities available with respect to the upgrade portion of this work. Administration recommends completion of the safety assessment portion of the work in 2016 in an effort to take advantage of all funding opportunities available annually for the completion of the required upgrades between 2016 - 2021.</p>							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7161030											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	300,000	300,000	0	2950 Other Prof Services-External							
2017	0	0	0		300,000	0	0	0	0	0	300,000
2018	0	0	0		Total :	300,000	0	0	0	0	300,000
2019	0	0	0	<b>Revenues</b>							
2020	0	0	0	169 Pay As You Go - Capital Reserve							
2021+	0	0	0		300,000	0	0	0	0	0	300,000
	<b>300,000</b>	<b>300,000</b>	<b>0</b>		Total :	300,000	0	0	0	0	300,000
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Precedes</b>	<b>Project Title</b>			<b>Effective Date</b>	<b>Description</b>			<b>Exp/(Rev)</b>	<b>FTE Impact</b>		
OPS-006-07	At-Grade Railway Crossings				No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2016	January 01, 2016	Growth:0.0% Maintenance:100.0%		Phong Nguy				2021			



# Project Summary

<b>Project #</b>	OPS-005-16	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fleet
<b>Title</b>	FleetFocus Web Modules		
<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>				<b>Version Description</b>							
<p>FleetFocus is the fleet management software used by the PW Operations Department, Transit Windsor, and Fire. As a result of the Fleet Shared Service Review, Parks and Police are also implementing the FleetFocus software for use in managing their fleet operations.</p> <p>FleetFocus tracks all functions related to the maintenance of vehicles and equipment including processing of repair and preventative maintenance work orders, capturing operating expenses (i.e. fuel, parts, licensing) and inventory management.</p> <p>It should be noted that the version of FleetFocus being utilized has already passed its end of life, therefore, vendor support may be limited.</p>				<p>In order to gain efficiencies, it is recommended that the FleetFocus web modules be purchased and implemented during the next system upgrade. These modules will make FleetFocus a web based application, 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.</p> <p>The estimated cost of this project includes the purchase of software licences, implementation services and training. There is an annual maintenance fee of \$1,659 that is shared among the five fleet areas which is currently in the Operating Budget.</p>							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7161034											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	60,000	60,000	0	5110 Machinery & Equipment - TCA							
2017	0	0	0		60,000	0	0	0	0	0	60,000
2018	0	0	0								
2019	0	0	0								
2020	0	0	0								
2021+	0	0	0								
	<b>60,000</b>	<b>60,000</b>	<b>0</b>	<b>Total :</b>	<b>60,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		160 Capital Expenditure Reserve							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>		47,000	0	0	0	0	0	47,000
				169 Pay As You Go - Capital Reserve							
					13,000	0	0	0	0	0	13,000
				<b>Total :</b>	<b>60,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2016	January 01, 2016	Growth:100.0% Maintenance:0.0%		Angela Marazita				2021			



# Project Summary

<b>Project #</b>	OPS-007-16	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Traffic Ops, Parking & Trans. Planning
<b>Title</b>	Cabana Road - Pavement Markings		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	Ward 1, Ward 9		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version 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.				Cycling facilities on Cabana Road from Northway Avenue to Walker Road							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
<b>Year</b>	<b>Total Expense</b>	<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
		<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	0	0	110,000	0	110,000
2018	0	0	0								
2019	0	0	0								
2020	110,000	110,000	0								
2021+	0	0	0								
	<b>110,000</b>	<b>110,000</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>110,000</b>	<b>0</b>	<b>110,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
<b>Year</b>	<b>Total Expense</b>	<b>Revenue</b>		169 Pay As You Go - Capital Reserve							
		<b>Net City Cost</b>	<b>Subsidies</b>		0	0	0	0	110,000	0	110,000
				<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>110,000</b>	<b>0</b>	<b>110,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2016	January 01, 2020	Growth: Maintenance:		John Wolf				Every 5 Years			



# Project Summary

<b>Project #</b>	OPS-008-16	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Devon Dr. Reconstr'n - South Service Rd. to Sydney Placeholder		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	Ward 9		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version 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.											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	0	0	1,500,000	0	1,500,000
2018	0	0	0								
2019	0	0	0								
2020	1,500,000	1,500,000	0								
2021+	0	0	0								
	<b>1,500,000</b>	<b>1,500,000</b>	<b>0</b>	<b>Revenues</b>							
				169 Pay As You Go - Capital Reserve							
					0	0	0	0	1,500,000	0	1,500,000
					<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,500,000</b>	<b>0</b>	<b>1,500,000</b>
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
				No Operating Budget Impact							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2016		Growth: Maintenance:		Phong Nguy							



# Project Summary

<b>Project #</b>	OPS-009-16	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	North Service Road Reconstruction Placeholder		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	Ward 10		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version 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.											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	0	0	2,100,000	0	2,100,000
2018	0	0	0								
2019	0	0	0								
2020	2,100,000	2,100,000	0								
2021+	0	0	0								
	<b>2,100,000</b>	<b>2,100,000</b>	<b>0</b>	<b>Revenues</b>							
				169 Pay As You Go - Capital Reserve							
					0	0	0	0	2,100,000	0	2,100,000
					<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,100,000</b>	<b>0</b>	<b>2,100,000</b>
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
				No Operating Budget Impact							
<b>Related Projects</b>											
Project Title											
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2016		Growth: Maintenance:		Phong Nguy							



# Project Summary

<b>Project #</b>	OPS-010-16	<b>Service Area</b>	Office of the City Engineer
<b>Budget Year</b>	2016	<b>Department</b>	Public Works Operations
<b>Asset Type</b>	Unassigned	<b>Division</b>	Contracts, Field Services & Maintenance
<b>Title</b>	Wyandotte St. Mill/Pave - Watson to Riverdale Placeholder		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	Ward 6		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version 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.												
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>								
2016	0	0	0	5410 Construction Contracts - TCA								
2017	0	0	0		0	0	0	0	300,000	0	300,000	
2018	0	0	0									
2019	0	0	0									
2020	300,000	300,000	0									
2021+	0	0	0									
	<b>300,000</b>	<b>300,000</b>	<b>0</b>	<b>Revenues</b>								
				169 Pay As You Go - Capital Reserve								
					0	0	0	0	300,000	0	300,000	
					<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>	<b>0</b>	<b>300,000</b>
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>								
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>									
				No Operating Budget Impact								
<b>Related Projects</b>												
Project Title												
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>				
2016		Growth: Maintenance:		Phong Nguy								

# **2016 Approved Capital Budget**



## **Capital Project Summaries**

**Office of the City Solicitor**





# Project Summary

<b>Project #</b>	FRS-002-07	<b>Service Area</b>	Office of the City Solicitor
<b>Budget Year</b>	2016	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Support Services
<b>Title</b>	Crisys System		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	2016 version (Active)		

<b>Project Description</b>				<b>Version Description</b>																																																																																																																	
<p>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. Additional important features include vital information 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.</p> <p>The City of Windsor also sells this service to other municipalities to be in a position of dispatching other municipalities.</p>				<p>Crisys recommends complete system replacement every 3 years as computer processor manufacturers typically are doubling the speed of these devices every 18 months. In order to ensure the reliability of the supporting equipment, a full replacement of the system, including workstations that can accommodate the upgraded system, was done in 2010. The 2013 upgrade involved computer hardware components only, and the manufacturer indicated that approximately \$50,000 will be required every 3-years going forward. The next replacement would then be in the year 2016.</p>																																																																																																																	
<b>Project Comments/Reference</b>				<b>Version Comments</b>																																																																																																																	
(Closed:7101012 / 7131006) / 7161037																																																																																																																					
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>																																																																																																																	
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2007	January 01, 2013	Growth:0.0% Maintenance:100.0%		Assistant Deputy Fire Chief Andrea Dejong				Ongoing																																																																																																													



## Project Summary

<b>Project #</b>	FRS-004-07	<b>Service Area</b>	Office of the City Solicitor
<b>Budget Year</b>	2016	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Support Services
<b>Title</b>	Breathing Apparatus Cylinders/Packs		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	2016 version (Active)		

<b>Project Description</b>				<b>Version Description</b>																																																																																																																	
<p>Firefighter safety is an essential component to maintaining an effective Fire and Rescue Service. The SCBA unit provides the firefighter ability to breathe, work and communicate in a potentially toxic atmosphere that would otherwise be dangerous to health and safety. Emergencies, such as structure fires, vehicle fires and hazardous material release, all contain elements of smoke, fire and chemical compounds. The SCBA unit protects the firefighter in these environments while performing rescue and hazard mitigation activities.</p>				<p>Breathing apparatus is under constant wear and tear as it is used by all employees attending every fire scene. The 2012 funding of \$600,000 was insufficient to replace all required SCBA components, and the department estimated in 2014 that an additional \$300,000 would be required to fund the replacement of all equipment to ensure compliance with the latest standards. This funding was approved in principle (for 2018) in the 2014 and 2015 budget processes, and is still required.</p> <p>Due to unforeseen and unavoidable delays in the NFPA certification process this project was delayed. The project is now currently underway, however during the time of this delay the US exchange rate has significantly changed. It is now expected that the project will require an additional \$200,000 to fund the increase in the US exchange rate. This funding is now being requested in the current year's 5 year capital plan.</p>																																																																																																																	
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(Closed: 7071069/7111033) 7121012				A report is expected to go before Council in January 2016 to precommit the 2018 funds.																																																																																																																	
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2007	January 01, 2014	Growth:0.0% Maintenance:100.0%		Deputy Fire Chief Steve Laforet				Ongoing																																																																																																													



## Project Summary

<b>Project #</b>	FRS-003-13	<b>Service Area</b>	Office of the City Solicitor
<b>Budget Year</b>	2016	<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>	City Wide		
<b>Version Name</b>	Main (Active)		

<p><b>Project Description</b></p> <p>Fire is recommending the replacement of the existing Station 1/Headquarters facility. The current building was built in 1967 and is in poor condition. The building is in need of substantial repairs which may be 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 annex building located to the rear of the current headquarters.</p> <p>The current headquarters building provides only very limited access to persons with physical disabilities. Accessibility is limited to the first floor Administration area only. The Administrative area of the headquarters building also has inadequate office and storage space. Staff is 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.</p> <p>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 air conditioning system to take days.</p>	<p><b>Version Description</b></p> <p>The fire station section of the headquarters building is in extreme disrepair. The building is crumbling around the windows and has experienced numerous problems with the air handling equipment and plumbing. Repairs often take days to complete due to aging equipment and the difficulty in finding parts.</p> <p>Relative to the current Fire Prevention building, only the front vestibule can accommodate persons with disabilities. The corridors, door widths 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.</p> <p>A new facility will house Administration, Fire Prevention and Station 1 operations. The new facility will provide an accessible, energy efficient facility that meets the current and future needs of Windsor Fire and Rescue Services.</p>																																																																																																										
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# Project Summary

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<b>Budget Year</b>	2016	<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>	City Wide		
<b>Version Name</b>	Main (Active)		

Related Projects			Operating Budget Impact			
Year Identified	Start Date	Project Type for 2016	Effective Date	Description	Exp/(Rev)	FTE Impact
		Project Title	Unknown	An increase/decrease to the annual operating budget may be required upon project completion(i.e. utilities, maintenance contracts etc.)	0	0
2013	January 01, 2018	Growth: Maintenance:	Fire Chief Bruce Montone		2020+	



## Project Summary

<b>Project #</b>	FRS-001-15	<b>Service Area</b>	Office of the City Solicitor
<b>Budget Year</b>	2016	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Support Services
<b>Title</b>	GPS Traffic Pre-emption		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	2016 version (Active)		

<p><b>Project Description</b></p> <p>Current traffic pre-emption technology in use at the City (Opticom) is not installed throughout the city and existing units require extensive adjustments and maintenance. GPS traffic pre-emption technology will allow for the control of all traffic signals throughout the City through connections via the traffic services ATMS and utilizes GPS technology to identify vehicle locations, vehicle speed and potentially can monitor vehicle operations (e.g. brakes, engine temperature, etc.). 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.</p>	<p><b>Version Description</b></p> <p>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. Further, this system - once operational - could be expanded to include other agencies such as Transit, Police and EMS, all of which could leverage this investment.</p> <p>Total projected costs for the GPS traffic pre-emption system including installation are approximately \$2,540,000 and include:</p> <ul style="list-style-type: none"> <li>- Controllers &amp; Communications Network</li> <li>- ATMS System Development and Integration Costs</li> <li>- Antenna and Equipment Install on Each Fire Apparatus</li> </ul>																																																																																																										
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<p><b>Historical Approved Budget</b></p> <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></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> </tbody> </table>	Year	Total Expense	Revenue		Net City Cost	Subsidies																																																																																																					
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<p><b>Related Projects</b></p>	<p><b>Operating Budget Impact</b></p>																																																																																																										



## Project Summary

<b>Project #</b>	FRS-001-15	<b>Service Area</b>	Office of the City Solicitor
<b>Budget Year</b>	2016	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Support Services
<b>Title</b>	GPS Traffic Pre-emption		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>	City Wide		
<b>Version Name</b>	2016 version (Active)		

Project Title		Effective Date	Description	Exp/(Rev)	FTE Impact
		2016-01-01	Monthly connectivity costs for Fire through corporate cellular network contracts of \$10/mth per vehicle are anticipated. \$10 x 12 months x 13 vehicles* = \$1,560/year (*11 trucks/engines + 2 district chief vehicles)	1,560	0
		2020-01-01	Monthly connectivity costs for Fire through corporate cellular network contracts of \$10/mth per vehicle are anticipated. \$10 x 12 months x 13 vehicles* = \$1,560/year (*11 trucks/engines + 2 district chief vehicles)	1,560	0

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2015	January 01, 2016	Growth: Maintenance:	Fire Chief Bruce Montone	2017



# Project Summary

<b>Project #</b>	FRS-001-16	<b>Service Area</b>	Office of the City Solicitor
<b>Budget Year</b>	2016	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Support Services
<b>Title</b>	Corporate Radio Battery Refreshment		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
<p>To place the corporate radio batteries on a two year replacement schedule.</p> <p>Portable radio batteries are the single greatest cause of problems in a radio fleet. Portable transmitter output power is dependent on battery power – batteries nearing or beyond their useful life cannot transmit at full strength and power like new batteries can. Lower power means shorter range of signal and transmissions. This is critical when dealing with public safety operations (e.g. firefighting), but less so when being utilized as simple communications devices (e.g. Parks).</p> <p>Replacing half the batteries every year on a rotational basis from initial use by Fire and then repurposed to other city divisions allows consistently operating batteries without full corporate replacement every four years while opening up the opportunity for failures.</p>				<p>Testing and analysis of current batteries indicates that a two year replacement schedule beginning in 2016 will meet the Corporation's needs.</p>							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7161036											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	15,000	15,000	0	3120 Rental Expense EXTERNAL							
2017	15,000	15,000	0		15,000	15,000	15,000	15,000	15,000	15,000	90,000
2018	15,000	15,000	0								
2019	15,000	15,000	0								
2020	15,000	15,000	0								
2021+	15,000	15,000	0								
	<b>90,000</b>	<b>90,000</b>	<b>0</b>	<b>Revenues</b>							
				198 Pay As You Go Corporate Radios Reserve							
					15,000	15,000	15,000	15,000	15,000	15,000	90,000
					<b>Total :</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>90,000</b>
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	No Operating Budget Impact							
<b>Related Projects</b>				<b>Project Title</b>							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2016	January 01, 2016	Growth:0.0% Maintenance:100.0%		Assistant Deputy Fire Chief Andrea Dejong				Ongoing			



# Project Summary

<b>Project #</b>	FRS-002-16	<b>Service Area</b>	Office of the City Solicitor
<b>Budget Year</b>	2016	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Support Services
<b>Title</b>	Portable Hoists		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>			
<b>Version Name</b>	2016 version (Active)		

**Project Description**

The Fire Apparatus Division is requesting funding to purchase portable hoists capable of lifting large fire rescue vehicles. Currently the department has a single permanent hoist capable of lifting the largest vehicles. The purchase of portable hoists would increase the efficiency of the division by affording staff the ability to complete major repairs to separate vehicles simultaneously, rather than having to wait for one vehicle repair to be finished before another one could begin.

In some cases a repair may be completed while working under the vehicle while the technician lies on his back using a "creeper". The portable hoists can be used in these circumstances as well. The ability to raise the vehicle provides for a safer and more ergonomic method of completing the repair or service. Additionally, repairs done while the vehicle is raised are typically completed more quickly and efficiently.

Portable hoists would provide a level of flexibility that currently does not exist within the division. It is expected that the addition of this equipment would increase the overall safety and efficiency of the division and reduce the amount of time vehicles are out of service awaiting repairs.

**Version Description**

Windsor Fire & Rescue Services is recommending the purchase of four portable hoists in 2016, at an estimated cost of \$20,000 each.

**Project Comments/Reference**

**Version Comments**

**Project Forecast**

Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2016	0	0	0
2017	0	0	0
2018	0	0	0
2019	0	0	0
2020	0	0	0
2021+	80,000	80,000	0
	<b>80,000</b>	<b>80,000</b>	<b>0</b>

**Project Detailed Forecast**

GL Account	2016	2017	2018	2019	2020	2021+	Total
<b>Expenses</b>							
5110 Machinery & Equipment - TCA							
	0	0	0	0	0	80,000	80,000
Total :	0	0	0	0	0	80,000	80,000
<b>Revenues</b>							
169 Pay As You Go - Capital Reserve							
	0	0	0	0	0	80,000	80,000
Total :	0	0	0	0	0	80,000	80,000

**Historical Approved Budget**

Year	Total Expense	Revenue	
		Net City Cost	Subsidies





# Project Summary

<b>Project #</b>	FRS-002-16	<b>Service Area</b>	Office of the City Solicitor
<b>Budget Year</b>	2016	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Support Services
<b>Title</b>	Portable Hoists		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>			
<b>Version Name</b>	2016 version (Active)		

Related Projects			Operating Budget Impact			
Year Identified	Start Date	Project Type for 2016	Effective Date	Description	Exp/(Rev)	FTE Impact
		Project Title				
				No Operating Budget Impact		
2016	January 01, 2016	Growth: Maintenance:		Deputy Fire Chief Steve Laforet		2016



# Project Summary

<b>Project #</b>	FRS-003-16	<b>Service Area</b>	Office of the City Solicitor
<b>Budget Year</b>	2016	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Support Services
<b>Title</b>	Fire Prevention & Emergency Management Public Education Displays & Equipment		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

<p><b>Project Description</b></p> <p>Funding is requested to purchase replacement and new public education display materials and equipment to support the increasing number of public education-related activities undertaken by the Windsor Fire &amp; Rescue Fire Services' Fire Prevention and Emergency Management Divisions. The current materials being utilized for Fire Prevention public education are approximately 10 years old or more in some cases and are worn, inoperable and unprofessional in appearance. Further, the single set of Fire Prevention materials is insufficient to meet the current needs of Windsor Fire &amp; Rescue as there are often two events occurring simultaneously.</p> <p>There is currently no Emergency Management public education display equipment.</p> <p>Windsor Fire and Rescue Services is aware of the expectation to promote the City of Windsor in a competent and professional manner. Utilizing damaged and worn displays has a negative impact on this expectation and the current materials and equipment do not reflect the new corporate visual identity standard.</p>	<p><b>Version Description</b></p>																																																																																																										
<p><b>Project Comments/Reference</b></p> <p>7161038</p>	<p><b>Version Comments</b></p>																																																																																																										
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Year			Total Expense	Revenue																																																																																																							
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## Project Summary

<b>Project #</b>	FRS-003-16	<b>Service Area</b>	Office of the City Solicitor
<b>Budget Year</b>	2016	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Support Services
<b>Title</b>	Fire Prevention & Emergency Management Public Education Displays & Equipment		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Property Infrastructure		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

Project Title			Effective Date	Description	Exp/(Rev)	FTE Impact
				No Operating Budget Impact		
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>	<b>Project Lead</b>		<b>Est. Completion Date</b>	
2016	January 01, 2016	Growth:0.0% Maintenance:100.0%	Assistant Deputy Chief Andrea Dejong		2016	



## Project Summary

<b>Project #</b>	FRS-004-16	<b>Service Area</b>	Office of the City Solicitor
<b>Budget Year</b>	2016	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Operations
<b>Title</b>	Fire Apparatus Computers		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

Project Description	Version Description
<p>Installing computers on fire apparatus would provide significant efficiencies in business processes, deployment of resources, operations at emergency scenes and functionality throughout ongoing in- station daily tasks. By utilizing the following identified mobile applications this proposed solution would provide the following functionality and efficiencies:</p> <p><b>CriSys Mobile App</b></p> <ul style="list-style-type: none"> <li>• Mapping to and of incident location - quicker arrival due to more accurate routing</li> <li>• Hydrant locations - ensure best water supply and alternates if required</li> <li>• Ability to record status to, from, and at scene - records from apparatus to provide accurate data regarding response times when radio traffic volume is high and arriving vehicles have to wait to notify dispatch</li> <li>• Site information - identification of onsite hazards and others in area</li> <li>• Global positioning of fire apparatus - identification of other resources on scene and still available</li> </ul> <p><b>Fire Management System</b></p> <ul style="list-style-type: none"> <li>• Section E Reports - Provide access to the onboard officers to complete required reports on scene and ensure they have required information for every call they attend</li> </ul> <p><b>Status Boards App</b></p> <ul style="list-style-type: none"> <li>• Road construction information - working in conjunction with CRISYS to develop best mapping for travel to emergency</li> <li>• Weather reports - wind directions, etc. to alert to smoke or hazardous gas travel paths that would allow for earlier notification to planning to advise on evacuations and/or shelter in place advisories</li> <li>• Vehicles dispatched - from and still available at stations and the type of event they are attending</li> </ul> <p><b>Wake Up Windsor App</b></p> <ul style="list-style-type: none"> <li>• More process efficient by utilizing touch screen confirmations with address information and owner approval sign-off instead of a single page of paper for every address with a larger margin of error due to human error</li> </ul> <p><b>Vehicle Inventory</b></p> <ul style="list-style-type: none"> <li>• Provide process and resource efficiencies in how daily vehicle inventory and truck checks are completed and the information is logged into a database, as opposed to utilizing two separate people. Also provides immediate accurate information on the vehicle that can be tracked by apparatus, in the event of an accident involving a fire apparatus. Provides probable cost savings in the purchase and tracking of equipment of vehicles, allowing for quick identification of equipment in the case of replacement schedules and product</li> </ul>	<p>A mass installation to bring all apparatus to the same ability of utilization of its resources is recommended.</p>



# Project Summary

<b>Project #</b>	FRS-004-16	<b>Service Area</b>	Office of the City Solicitor
<b>Budget Year</b>	2016	<b>Department</b>	Fire & Rescue
<b>Asset Type</b>	Unassigned	<b>Division</b>	Fire Operations
<b>Title</b>	Fire Apparatus Computers		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Corporate Technology		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

recalls and or replacements  
 Rehab Tracking  
 • Provide Rehabilitation tracking functionality at emergency scenes and to provide accurate information in compliance with Ministry of Labour documentation requirements. Provides tracking of volume of nourishments and liquids provided  
 Fire Safety Plans  
 • Provide Fire Safety Plan information, including building schematics to aid in access to critical building and hazard information within structures to assist in critical decision making processes  
 Internet/ Intranet Capabilities  
 • Provide continuous communication and updates between Command vehicles, Administration, Emergency Operations Centre, Command Bus and the Hazmat Team's monitoring equipment during emergency events

**Project Comments/Reference**

**Version Comments**

**Project Forecast**

**Project Detailed Forecast**

Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2016	0	0	0
2017	150,000	150,000	0
2018	0	0	0
2019	0	0	0
2020	0	0	0
2021+	0	0	0
	<b>150,000</b>	<b>150,000</b>	<b>0</b>

GL Account	2016	2017	2018	2019	2020	2021+	Total
<b>Expenses</b>							
5125 Computers - PCs							
	0	150,000	0	0	0	0	150,000
Total :	0	150,000	0	0	0	0	150,000
<b>Revenues</b>							
163 Fire Major Equipment							
	0	150,000	0	0	0	0	150,000
Total :	0	150,000	0	0	0	0	150,000

**Historical Approved Budget**

Year	Total Expense	Revenue	
		Net City Cost	Subsidies

**Operating Budget Impact**

Effective Date	Description	Exp/(Rev)	FTE Impact
2017-01-01	Crisys maintenance quote @ \$950 x 18 units - \$17,100 plus HST Connectivity costs: \$28,320 plus HST	45,420	0

**Related Projects**

Project Title

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2016	January 01, 2016	Growth: Maintenance:	Fire Chief Bruce Montone	2016



# Project Summary

<b>Project #</b>	ENG-005-16	<b>Service Area</b>	Office of the City Solicitor
<b>Budget Year</b>	2016	<b>Department</b>	Legal
<b>Asset Type</b>	Unassigned	<b>Division</b>	Legal, Real Estate & Risk Mgmt
<b>Title</b>	2437 Howard Avenue Improvements Placeholder		
<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>							
<p>The building at 2437 Howard Avenue, adjacent to the Parks and Facilities office on McDougall, was purchased in 2014 and is currently being used as storage space. The facility includes an existing 2 storey office space that is approximately 11,000 sq. ft. and requires significant renovations to make it useable. Funding is necessary to proceed with capital improvements that would make the office space usable. Improvements would include the installation of City network connection, new partitions, flooring, ceiling, lighting, HVAC distribution, CCTV and security alarm, card access, etc.</p>				<p>Further to Council report (LL#17867; CR#161/2015) approved on August 24th, 2015, the Real Estate Division in conjunction with Facilities Operations, will bring forward a report with recommendations resulting from the study of administrative and operational buildings and space needs with future projections including the market value estimates and the constraints in proceeding with the sale of existing buildings. It is to be noted that there is an immediate need in the adjacent building at 2450 McDougall which houses the Facilities, Parks, Recreation and Administrative staff. These funds, based on an estimate of approximately \$45/sq. ft. for renovations, are sought as a placeholder until such report is presented to Council.</p>							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7161039											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	250,000	250,000	0	5410 Construction Contracts - TCA							
2017	250,000	250,000	0		250,000	250,000	0	0	0	0	500,000
2018	0	0	0								
2019	0	0	0								
2020	0	0	0								
2021+	0	0	0								
	<b>500,000</b>	<b>500,000</b>	<b>0</b>	<b>Total :</b>	<b>250,000</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		169 Pay As You Go - Capital Reserve							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>		250,000	250,000	0	0	0	0	500,000
				<b>Total :</b>	<b>250,000</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
				2016-01-01	Until the report is finalized and further action on renovations to the building can be initiated, the facility will remain vacant and under utilized and continue to incur operational expenses such as utilities (minimum electrical for security alarm, outside lights). Facility Operations has put forward a request of \$25,000 in the 2016 operating budget to cover these expenses.				25,000	0	
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2016	January 04, 2016	Growth:0.0% Maintenance:100.0%		Shelby Askin-Hagar				Dec 2016			



# Project Summary

<b>Project #</b>	LGL-001-16	<b>Service Area</b>	Office of the City Solicitor
<b>Budget Year</b>	2016	<b>Department</b>	Legal
<b>Asset Type</b>	Unassigned	<b>Division</b>	Legal, Real Estate & Risk Mgmt
<b>Title</b>	CP Railway Cut - Shergar Claim		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Parks & Recreation		
<b>Wards</b>			
<b>Version Name</b>	2016 version (Active)		

<b>Project Description</b>				<b>Version Description</b>							
Riverfront lands forming part of the former rail access to the rail ferry docks at the foot of Caron Avenue were expropriated from Shergar in 1997. Shergar did not accept the City's joint offer of \$750,000 to it and to its mortgagee CP, made under section 25 of the Expropriations Act. Shergar also owes the City costs as a result of a failed court action. No money has yet been paid by either party. Both the eventual amount determined to be owing by the City as well as the funds owed by Shergar continue to accrue interest. The project's deficit stems from legal costs incurred to date.				Shergar and CP Rail have now filed claims with the OMB which will determine the financial impact to the City with certainty. In the meantime, the existing capital project continues to accrue capital interest on the deficit balance stemming from legal costs incurred to date. Funding of \$400,000 is requested in 2016 in order to fund the current deficit. Note that this funding request does not address the eventual determination of value, which cannot be reasonably estimated at this time.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7995537											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	400,000	400,000	0	4245 TRANSFER to Capital Fund							
2017	0	0	0		400,000	0	0	0	0	0	400,000
2018	0	0	0								
2019	0	0	0								
2020	0	0	0								
2021+	0	0	0								
	<b>400,000</b>	<b>400,000</b>	<b>0</b>	<b>Revenues</b>							
				139 Budget Stabilization Reserve	400,000	0	0	0	0	0	400,000
					<b>Total :</b> 400,000	0	0	0	0	0	400,000
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2016	January 01, 2016	Growth:0.0% Maintenance:100.0%		Shelby Askin-Hager				2016			



# Project Summary

<b>Project #</b>	PLN-005-07	<b>Service Area</b>	Office of the City Solicitor
<b>Budget Year</b>	2016	<b>Department</b>	Planning & Building
<b>Asset Type</b>	Unassigned	<b>Division</b>	Policy & Design
<b>Title</b>	E-Plan & E-Permit 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>				<b>Version Description</b>							
Implement the e-plan and e-permit 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 Business Process Review and specifically the BPI's related to improved customer service and technological change.				2017: Primarily AMANDA programming updates (E-Permits & E-Plans) 2018: Hire consultant, purchase equipment (i.e. large monitors/scanners) & training (E-Plan) 2019: Future AMANDA upgrades as needed							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	88,000	88,000	0		0	88,000	210,000	10,000	0	0	308,000
2018	210,000	210,000	0	<b>Total :</b>	0	88,000	210,000	10,000	0	0	308,000
2019	10,000	10,000	0	<b>Revenues</b>							
2020	0	0	0	169 Pay As You Go - Capital Reserve							
2021+	0	0	0		0	88,000	210,000	10,000	0	0	308,000
	<b>308,000</b>	<b>308,000</b>	<b>0</b>	<b>Total :</b>	0	88,000	210,000	10,000	0	0	308,000
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	2019-01-01	For Software Maintenance				3,000	0	
<b>Related Projects</b>				<b>Project Title</b>							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2007	January 01, 2019	Growth: Maintenance:		Michael Cooke/John Revell				2020+			





# Project Summary

<b>Project #</b>	PLN-007-07	<b>Service Area</b>	Office of the City Solicitor
<b>Budget Year</b>	2016	<b>Department</b>	Planning & Building
<b>Asset Type</b>	Unassigned	<b>Division</b>	Policy & Design
<b>Title</b>	Growth Management Plan		
<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>				<b>Version Description</b>								
<p>In accordance with the Environmental Master Plan (EMP) and provincial requirements for managed regional growth, City Planning staff will lead a multi-departmental/agency process to produce this plan integrating land use, services, active transportation and open space.</p> <p>Project is being deferred until 2019+.</p>				<p>2019: Review opportunities for improvement to quality of life and environmental sustainability (consultant to be hired to do public survey) - \$100,000</p> <p>2021: Develop policy and implement recommendations from consultant survey - \$100,000</p>								
<b>Project Comments/Reference</b>				<b>Version Comments</b>								
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>								
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>	
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<b>Expenses</b>								
2016	0	0	0	5410 Construction Contracts - TCA								
2017	0	0	0									
2018	0	0	0									
2019	100,000	100,000	0				0	100,000	0	100,000	200,000	
2020	0	0	0				0	100,000	0	100,000	200,000	
2021+	100,000	100,000	0				0	100,000	0	100,000	200,000	
	<b>200,000</b>	<b>200,000</b>	<b>0</b>	<b>Revenues</b>								
				169 Pay As You Go - Capital Reserve								
								0	100,000	0	100,000	200,000
								0	100,000	0	100,000	200,000
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>								
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>		
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	No Operating Budget Impact								
<b>Related Projects</b>				<b>Operating Budget Impact</b>								
Project Title				Effective Date Description Exp/(Rev) FTE Impact								
				No Operating Budget Impact								
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>				
2007	January 01, 2019	Growth: Maintenance:		Michael Cooke				2020+				



# Project Summary

<b>Project #</b>	PLN-008-07	<b>Service Area</b>	Office of the City Solicitor
<b>Budget Year</b>	2016	<b>Department</b>	Planning & Building
<b>Asset Type</b>	Unassigned	<b>Division</b>	Policy & Design
<b>Title</b>	"Green Windsor" Land Acquisition and Funding Strategy		
<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>				<b>Version Description</b>							
<p>As part of implementing the Green Windsor strategy of the Environmental Master Plan and Official Plan, City Planning staff will develop with regional partners a strategy to assemble green system components. The project will focus on the creation of a connected linear park system in adherence with the current Parks Master Plan to meet rising public demand for healthy recreational opportunities while offering the added benefit of increasing property assessment values.. Further more, these linear parks can incorporate new storm water management facilities and active transportation opportunities that together may reduce the negative impacts of climate change and also help to alleviate basement flooding. Cost sharing with regional partners will be required.</p> <p>Project is being deferred until 2019+.</p>				<p>Project will include specific targeted areas such as Ojibway Shores and Schiller's Bush.</p> <p>2019: Study how the city can create opportunities to continue to "green" the community in recognition of: species at risk; provincially significant wetlands; natural greenway linkages and source water protection areas.</p> <p>2021: Implement changes to the Zoning By-law, Official Plan, Parks Master Plan and other related corporate plans to recognize the significance of linear park systems.</p>							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	0	80,000	0	100,000	180,000
2018	0	0	0	<b>Total :</b>	0	0	0	80,000	0	100,000	180,000
2019	80,000	80,000	0	<b>Revenues</b>							
2020	0	0	0	169 Pay As You Go - Capital Reserve	0	0	0	80,000	0	100,000	180,000
2021+	100,000	100,000	0	<b>Total :</b>	0	0	0	80,000	0	100,000	180,000
	<b>180,000</b>	<b>180,000</b>	<b>0</b>								
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	No Operating Budget Impact							
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Operating Budget Impact</b>							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2007	January 01, 2019	Growth: Maintenance:		Michael Cooke				2019 and Beyond			



# Project Summary

<b>Project #</b>	PLN-010-07	<b>Service Area</b>	Office of the City Solicitor
<b>Budget Year</b>	2016	<b>Department</b>	Planning & Building
<b>Asset Type</b>	Unassigned	<b>Division</b>	Policy & Design
<b>Title</b>	Heritage Preservation Study/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)		

<b>Project Description</b>				<b>Version Description</b>							
Planning staff will lead 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.				2020+: Recommend Implementation of incentives to support tax rebates for heritage properties.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7141014											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<b>Expenses</b>							
2016	0	0	0	2950 Other Prof Services-External							
2017	0	0	0		0	0	0	0	0	585,000	585,000
2018	0	0	0								
2019	0	0	0								
2020	0	0	0								
2021+	585,000	585,000	0								
	<b>585,000</b>	<b>585,000</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>585,000</b>	<b>585,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		169 Pay As You Go - Capital Reserve							
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>								
2014	50,000	0	50,000		0	0	0	0	0	585,000	585,000
				<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>585,000</b>	<b>585,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2007	January 01, 2020	Growth: Maintenance:		Michael Cooke				2020+			



# Project Summary

<b>Project #</b>	PLN-012-07	<b>Service Area</b>	Office of the City Solicitor
<b>Budget Year</b>	2016	<b>Department</b>	Planning & Building
<b>Asset Type</b>	Unassigned	<b>Division</b>	Urban Design
<b>Title</b>	City Centre Community Development Planning		
<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)		

<p><b>Project Description</b></p> <p>Program's aim is to maximize a positive investment climate for diverse land uses downtown. Project authorized (CR457/2005) phased preparation of the Sustainable Downtown Plan [SDP] to update the 1994 City Centre Revitalization Study, starting with a Community Improvement Plan that would offer financial incentives to encourage private sector investment. In 2007 Capital Budget deliberations, the SDP work program was deferred to 2011. The March 7, 2011 Council Motion (M70-2011) expands on the previous Council CR and directs the Planning Department to report back to Council the process to harmonize the two community improvement plans (City Centre West/Glengarry-Marentette) including expansion of the City Centre Planning District and creation of incentives geared to specific guideline standards for the upgrade of both residential and commercial properties. This project also aims to cover the municipal portion of costs incurred (and provision for incentives) in the City Centre West Commercial Facade Improvement Program Study as authorized in CR224/2006.</p>	<p><b>Version Description</b></p> <p>This project will conduct the study in accordance with the Terms of Reference that will be presented to Council in response to M70-2011 (completion in 2015).</p> <p>Funding required to:</p> <ul style="list-style-type: none"> <li>- Prepare a comprehensive Downtown Community Improvement Plan - \$150,000</li> <li>- Conduct a detailed zoning/regulatory review for downtown - \$50,000</li> <li>- Prepare urban design guidelines for downtown - \$25,000</li> <li>- Plan Assistant/Rotating University Co-Op Student to work with Community Development projects - \$40,000</li> <li>- Fund incentives for the Downtown Community Improvement Plan - \$150,000</li> </ul>																																																																																																										
<p><b>Project Comments/Reference</b></p> <p>7011022</p>	<p><b>Version Comments</b></p> <p>Note: There are surplus funds currently in project 7011022 - City Centre Community Development Planning of approx. \$500k.</p>																																																																																																										
<p><b>Project Forecast</b></p> <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>2016</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2017</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2018</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2019</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2020</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2021+</td><td>415,000</td><td>415,000</td><td>0</td></tr> <tr><td><b>Total</b></td><td><b>415,000</b></td><td><b>415,000</b></td><td><b>0</b></td></tr> </tbody> </table>	Year	Total Expense	Revenue		Net City Cost	Subsidies	2016	0	0	0	2017	0	0	0	2018	0	0	0	2019	0	0	0	2020	0	0	0	2021+	415,000	415,000	0	<b>Total</b>	<b>415,000</b>	<b>415,000</b>	<b>0</b>	<p><b>Project Detailed Forecast</b></p> <table border="1"> <thead> <tr> <th>GL Account</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021+</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td colspan="8"><b>Expenses</b></td> </tr> <tr> <td>5410 Construction Contracts - TCA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>415,000</td> <td>415,000</td> </tr> <tr> <td><b>Total :</b></td> <td><b>0</b></td> <td><b>0</b></td> <td><b>0</b></td> <td><b>0</b></td> <td><b>0</b></td> <td><b>415,000</b></td> <td><b>415,000</b></td> </tr> <tr> <td colspan="8"><b>Revenues</b></td> </tr> <tr> <td>169 Pay As You Go - Capital Reserve</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>415,000</td> <td>415,000</td> </tr> <tr> <td><b>Total :</b></td> <td><b>0</b></td> <td><b>0</b></td> <td><b>0</b></td> <td><b>0</b></td> <td><b>0</b></td> <td><b>415,000</b></td> <td><b>415,000</b></td> </tr> </tbody> </table>	GL Account	2016	2017	2018	2019	2020	2021+	Total	<b>Expenses</b>								5410 Construction Contracts - TCA									0	0	0	0	0	415,000	415,000	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>415,000</b>	<b>415,000</b>	<b>Revenues</b>								169 Pay As You Go - Capital Reserve									0	0	0	0	0	415,000	415,000	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>415,000</b>	<b>415,000</b>
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	0	0	0	0	0	415,000	415,000																																																																																																				
<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>415,000</b>	<b>415,000</b>																																																																																																				
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## Project Summary

<b>Project #</b>	PLN-012-07	<b>Service Area</b>	Office of the City Solicitor
<b>Budget Year</b>	2016	<b>Department</b>	Planning & Building
<b>Asset Type</b>	Unassigned	<b>Division</b>	Urban Design
<b>Title</b>	City Centre Community Development Planning		
<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)		

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2007	January 01, 2019	Growth: Maintenance:	Neil Robertson	2019 and Beyond



# Project Summary

<b>Project #</b>	PLN-017-07	<b>Service Area</b>	Office of the City Solicitor
<b>Budget Year</b>	2016	<b>Department</b>	Planning & Building
<b>Asset Type</b>	Unassigned	<b>Division</b>	Policy & Design
<b>Title</b>	BIA Assistance Program		
<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>				<b>Version Description</b>							
The City's traditional annual budget allocation for the 9 BIAs has been for cost-sharing ad-hoc beautification initiatives. Disbursements from this project now are mainly for new Capital Asset requests from BIAs. Allocations in 2014+ are placeholders for advance budget planning premised on requests from BIAs. This project also supports annual programs previously approved by Council.				2018: To ensure support of local development in all 9 BIA's.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7069002				Community Improvement Plans are currently being prepared for a facade improvement program and are also expected to use the budgeted funds in 2015 onward.							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	2950 Other Prof Services-External							
2017	0	0	0		0	0	150,000	0	150,000	0	300,000
2018	150,000	150,000	0	<hr/>							
2019	0	0	0	Total :							
2020	150,000	150,000	0	0	0	150,000	0	150,000	0	300,000	
2021+	0	0	0	<b>Revenues</b>							
	<b>300,000</b>	<b>300,000</b>	<b>0</b>	169 Pay As You Go - Capital Reserve							
<b>Historical Approved Budget</b>				<hr/>							
		<b>Revenue</b>		Total :							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	0	0	150,000	0	150,000	0	300,000	
2007	175,000	175,000	0	<hr/>							
2008	100,000	100,000	0	0	0	150,000	0	150,000	0	300,000	
2009	150,000	150,000	0	<hr/>							
2010	150,000	150,000	0	<b>Operating Budget Impact</b>							
2011	200,000	200,000	0	<b>Effective Date</b>							
2014	100,000	100,000	0	<b>Description</b>							
<b>Related Projects</b>				<b>Exp/(Rev)</b>							
<b>Project Title</b>				<b>FTE Impact</b>							
				No Operating Budget Impact							
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2007	January 01, 2018	Growth: Maintenance:		Michael Cooke				Ongoing			



# Project Summary

<b>Project #</b>	PLN-018-07	<b>Service Area</b>	Office of the City Solicitor
<b>Budget Year</b>	2016	<b>Department</b>	Planning & Building
<b>Asset Type</b>	Unassigned	<b>Division</b>	Urban Design
<b>Title</b>	Urban Design and Neighbourhood Studies		
<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>				<b>Version Description</b>							
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. Past funding has been used to complete the Site Plan Review Manual, then to fund production of Riverside Drive Vista Improvement Streetscape guidelines per CR364/2009. Complementary to the Site Plan Review Manual, the preparation of development guidelines for different areas of the City began in 2015.				2019: 1) Neighbourhood engagement/integrated service review (using NIST model). Pilot program for: Glengarry/Marentette, Drouillard/Ford City and Sandwich areas in coordination with the United Way 2) Develop & adopt the Site Plan Review Manual 3) Develop & adopt Riverside Drive Vista Improvement Streetscape Guidelines 4) Comprehensive Sign Bylaw Review 5) Develop & adopt Design Guidelines & Standards for Civic Ways & Theme Streets 6) Develop City of Windsor Urban Design Manual 7) Prepare targeted area Design Guidelines							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7045003											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	2950 Other Prof Services-External							
2017	0	0	0		0	0	0	100,000	100,000	25,000	225,000
2018	0	0	0								
2019	100,000	100,000	0								
2020	100,000	100,000	0								
2021+	25,000	25,000	0								
	<b>225,000</b>	<b>225,000</b>	<b>0</b>	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>100,000</b>	<b>25,000</b>	<b>225,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		169 Pay As You Go - Capital Reserve							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>		0	0	0	100,000	100,000	25,000	225,000
2007	85,000	85,000	0								
2014	130,000	130,000	0	<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>100,000</b>	<b>25,000</b>	<b>225,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2007	January 01, 2019	Growth: Maintenance:		Neil Robertson				2020+			



# Project Summary

<b>Project #</b>	PLN-021-07	<b>Service Area</b>	Office of the City Solicitor
<b>Budget Year</b>	2016	<b>Department</b>	Planning & Building
<b>Asset Type</b>	Unassigned	<b>Division</b>	Urban Design
<b>Title</b>	City Hall Square and Civic Esplanade		
<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)		

<p><b>Project Description</b></p> <p>Future funds that coincide with the completion of the new City Hall are to be used for capital investments relating to the design, implementation and construction of the Civic Square Campus area (including the Civic Square Campus, Charles Clark Square and the Civic Esplanade) consistent with the Civic Square Campus Conceptual Site Plan that was approved in principle (CR162/2014) for the purposes of providing a definable direction for the ongoing development of the Civic Square Campus and surrounding areas.</p> <p>Work to date has been completed to meet the vision articulated in the 1991 Civic Square study. Initial work in 2010 involved the restoration of the planters, new site furnishings including tables, umbrellas, planters, access control bollards and trash/recycle receptacles have been administered and awarded through several RFP's.</p>	<p><b>Version Description</b></p> <p>To coincide with the completion of the new City Hall and demolition of the old City Hall, additional capital investment is recommended to design/install/construct features in the Civic Square Campus area, including Phase 2 of the Casino Esplanade Landscaping Plan (CR210/2008), design review of Charles Clark Square, Civic Esplanade and Civic Square (i.e. the area immediately adjacent to the new City Hall).</p>																																																																																																																										
<p><b>Project Comments/Reference</b></p> <p>(7033086 Closed) / 7161040</p>	<p><b>Version Comments</b></p> <p>\$150,000 from the Farmer's Market Improvements placeholder (BSR) is being recommended to be transferred to this project.</p>																																																																																																																										
<p><b>Project Forecast</b></p> <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>2016</td> <td>150,000</td> <td>150,000</td> <td>0</td> </tr> <tr> <td>2017</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>2018</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>2019</td> <td>500,000</td> <td>500,000</td> <td>0</td> </tr> <tr> <td>2020</td> <td>258,000</td> <td>258,000</td> <td>0</td> </tr> <tr> <td>2021+</td> <td>1,127,000</td> <td>1,127,000</td> <td>0</td> </tr> <tr> <td></td> <td><b>2,035,000</b></td> <td><b>2,035,000</b></td> <td><b>0</b></td> </tr> </tbody> </table>	Year	Total Expense	Revenue		Net City Cost	Subsidies	2016	150,000	150,000	0	2017	0	0	0	2018	0	0	0	2019	500,000	500,000	0	2020	258,000	258,000	0	2021+	1,127,000	1,127,000	0		<b>2,035,000</b>	<b>2,035,000</b>	<b>0</b>	<p><b>Project Detailed Forecast</b></p> <table border="1"> <thead> <tr> <th>GL Account</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021+</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td colspan="8"><b>Expenses</b></td> </tr> <tr> <td>5410 Construction Contracts - TCA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>150,000</td> <td>0</td> <td>0</td> <td>500,000</td> <td>258,000</td> <td>1,127,000</td> <td>2,035,000</td> </tr> <tr> <td>Total :</td> <td>150,000</td> <td>0</td> <td>0</td> <td>500,000</td> <td>258,000</td> <td>1,127,000</td> <td>2,035,000</td> </tr> <tr> <td colspan="8"><b>Revenues</b></td> </tr> <tr> <td>139 Budget Stabilization Reserve</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>150,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>150,000</td> </tr> <tr> <td>169 Pay As You Go - Capital Reserve</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>500,000</td> <td>258,000</td> <td>1,127,000</td> <td>1,885,000</td> </tr> <tr> <td>Total :</td> <td>150,000</td> <td>0</td> <td>0</td> <td>500,000</td> <td>258,000</td> <td>1,127,000</td> <td>2,035,000</td> </tr> </tbody> </table>	GL Account	2016	2017	2018	2019	2020	2021+	Total	<b>Expenses</b>								5410 Construction Contracts - TCA									150,000	0	0	500,000	258,000	1,127,000	2,035,000	Total :	150,000	0	0	500,000	258,000	1,127,000	2,035,000	<b>Revenues</b>								139 Budget Stabilization Reserve									150,000	0	0	0	0	0	150,000	169 Pay As You Go - Capital Reserve									0	0	0	500,000	258,000	1,127,000	1,885,000	Total :	150,000	0	0	500,000	258,000	1,127,000	2,035,000
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<p><b>Related Projects</b></p>	<p><b>Operating Budget Impact</b></p>																																																																																																																										





## Project Summary

<b>Project #</b>	PLN-021-07	<b>Service Area</b>	Office of the City Solicitor
<b>Budget Year</b>	2016	<b>Department</b>	Planning & Building
<b>Asset Type</b>	Unassigned	<b>Division</b>	Urban Design
<b>Title</b>	City Hall Square and Civic Esplanade		
<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 Title			Effective Date	Description	Exp/(Rev)	FTE Impact
			Unknown	Upon completion of the project, operating impact is undetermined but expected to be negligible or limited and dependent upon minor repairs resulting from instances such as vandalism, weather impacts such as snow clearing and miscellaneous such as periodic emptying of trash bins and as needed watering of any planters. In other words, a minor extension of that which is already in place for the existing esplanade area.	0	0

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2007	January 01, 2020	Growth:0.0% Maintenance:100.0%	Neil Robertson	2020+



# Project Summary

<b>Project #</b>	PBG-001-14	<b>Service Area</b>	Office of the City Solicitor
<b>Budget Year</b>	2016	<b>Department</b>	Planning & Building
<b>Asset Type</b>	Unassigned	<b>Division</b>	Development
<b>Title</b>	Alley Closing Subsidy Pilot Program		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Roads		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
As per the 2014 Enhanced Capital Plan, Council approved in principle funds from the 2018 Debt Reduction Levy for the closing of alleys within the City.				As per CR88/2014, Report #17038, Council formerly approved the proceeding with the Alley Closing Subsidy Pilot Program.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7145002											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5410 Construction Contracts - TCA							
2017	0	0	0		0	0	790,000	0	0	0	790,000
2018	790,000	790,000	0	<b>Total :</b>	0	0	790,000	0	0	0	790,000
2019	0	0	0	<b>Revenues</b>							
2020	0	0	0	169 Pay As You Go - Capital Reserve							
2021+	0	0	0		0	0	790,000	0	0	0	790,000
	<b>790,000</b>	<b>790,000</b>	<b>0</b>	<b>Total :</b>	0	0	790,000	0	0	0	790,000
<b>Historical Approved Budget</b>											
		<b>Revenue</b>									
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2014	January 02, 2014	Growth: Maintenance:		Don Wilson				2018			



# Project Summary

<b>Project #</b>	PBG-002-14	<b>Service Area</b>	Office of the City Solicitor
<b>Budget Year</b>	2016	<b>Department</b>	Planning & Building
<b>Asset Type</b>	Unassigned	<b>Division</b>	Policy & Design
<b>Title</b>	Ontario's Investment Ready Certified Sites Program		
<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>				<b>Version Description</b>							
<p>Cost of preparing a reference plan for an area identified on airport lands and required studies under the Provincial Investment Ready: Certified Sites Program.</p> <p>The Program is a province-wide investment attraction program, the purpose of which is to promote an inventory of sites that meet a set of minimum requirements. 50% of the costs associated with preparing the required material are eligible for reimbursement from the Province up to a maximum of \$25,000. The Airport has agreed to fund 50% of the cost from the Commercial Feasibility capital project id 7091022) subject to the Airport's Board approval.</p> <p>Note: Given the timing of this budget request, Administration has captured the request in advance and will update Council during budget deliberations if in fact the Board has approved the funding request.</p>				<p>In the event that the City works toward adding the area east of the Cargo Hub as a second certified site or enlarge the current certified site west of the Cargo Hub with a future zoning, the area along County Rd. 42 would need to be rezoned to apply under the program. If we did this, then more funds would be required. It is estimated that an additional \$50,000 would be adequate.</p>							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7151019											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	2916 INTERNAL Services- non-salary							
2017	0	0	0		0	0	0	0	0	50,000	50,000
2018	0	0	0								
2019	0	0	0								
2020	0	0	0								
2021+	50,000	50,000	0								
	<b>50,000</b>	<b>50,000</b>	<b>0</b>	<b>Revenues</b>							
				169 Pay As You Go - Capital Reserve							
					0	0	0	0	0	50,000	50,000
					<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>50,000</b>
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
2015	50,000	0	50,000		No Operating Budget Impact						
<b>Related Projects</b>											
<b>Project Title</b>											
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2014	January 01, 2015	Growth: Maintenance:		Greg Atkinson				2015			

# **2016 Approved Capital Budget**



## **Capital Project Summaries**

**Transportation Services Office**



## Project Summary

<b>Project #</b>	TRN-001-07	<b>Service Area</b>	Transportation Services Office
<b>Budget Year</b>	2016	<b>Department</b>	Transit Windsor
<b>Asset Type</b>	Unassigned	<b>Division</b>	Transit Maintenance
<b>Title</b>	Fleet Replacement		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

Project Description	Version Description
<p>This project contains funding 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). The funding under the Ontario Bus Replacement Program (OBRP) was cancelled in 2010.</p> <p>Currently, the 2016 Capital Budget does not include a provision to purchase new buses. Typically included in this project, when funding is available, is the annual acquisition of new buses for Transit Windsor and support vehicles which have become increasingly more expensive to maintain due to the age of the fleet. With such a large and varying fleet of buses, an average age of 11+ years, and continual fiscal pressures, the City of Windsor has commissioned a full lifecycle costing study to determine the optimal cycle of maintenance, renewal and refurbishment of the Transit Windsor fleet. That study is now underway and the deliverables will include recommendations (including costs) for any bus deemed in poor condition that it requires immediate attention or replacement within the next 2 year period; and criteria for determining the threshold at which a bus moves beyond its serviceable life and requires replacement.</p>	<p>Transit Windsor and the City of Windsor will be seeking funding from both the provincial and federal government from the New Building Canada Fund (NBCF) for a transit-related project, namely funds to support the replacement of the existing rolling stock that have exceeded their expected useful life. The replacement of these buses will improve the overall passenger experience, and provide an opportunity for Transit Windsor to encourage commuters to use public transit as their primary mode of transportation. The replacement of buses will also enhance the environment of our neighbourhoods by fostering healthy lifestyles and integrating environmentally friendly transportation systems. If approved, the total estimated cost of the project is \$13,950,000.</p> <p>The introduction of the new modern vehicles will be another step in the process to encourage behavioural change in the community by improving the competitiveness and attractiveness of public transport. 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 car and to expand the system to better service the region of Windsor and Essex County.</p> <p>The primary reason for undertaking this project is that the current age of our fleet is 11.3 years with the oldest buses in our fleet being two 1986 vehicles which are operated on a daily basis. In the industry, buses have a projected life expectancy of 12 years with some properties keeping the buses as long as 18 years. Transit Windsor has 48 buses over the normal retirement age of 12 years. Ten (10) of these buses are high floor and not accessible between the ages of 23-28 years (1986–1991). Sixteen (16) of these buses are first generation low floor buses between the age of 15 and 17 years (1997-1999). These buses are costly to maintain and are not environmentally friendly. We have difficulty procuring repair parts and find ourselves salvaging parts from other buses to keep the buses on the road. The immediate replacement of these 26 vehicles with newer clean diesel buses will reduce the GHG emissions and allow Transit Windsor to dispose of any bus older than 12 years. Our average age of the fleet will be reduced to approximately six years. Our operations will become more efficient with repairs less costly and these funds can be redirected into provided expanded service.</p> <p>In addition to the benefit to Transit Windsor's ridership, the regional community will also benefit from the introduction of an environmentally friendly fleet as this will result in a cleaner community. New buses will be more accessible and modern and replacing the current high floor with lower floor buses will also be especially attractive for seniors and persons with disabilities. Students will also be an important target group as of the approximately 22,000 full time college and university students over 40% live outside the City of Windsor. Lack of transit services has been cited as a barrier to obtaining higher education in a recent survey conducted by the University of Windsor.</p>



# Project Summary

<b>Project #</b>	TRN-001-07	<b>Service Area</b>	Transportation Services Office
<b>Budget Year</b>	2016	<b>Department</b>	Transit Windsor
<b>Asset Type</b>	Unassigned	<b>Division</b>	Transit Maintenance
<b>Title</b>	Fleet Replacement		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

The City of Windsor budgets for its capital programs using a five year plan. Currently the five year capital plan has no funding budgeted for the replacement of conventional buses in 2016.

<b>Project Comments/Reference</b>
(7003812, 7111029, 7131003 Closed) 7109002/7121003/7141015/7151006/7151007

<b>Version Comments</b>

<b>Project Forecast</b>			
		<b>Revenue</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>
2016	0	0	0
2017	0	0	0
2018	0	0	0
2019	3,010,500	3,010,500	0
2020	3,010,500	3,010,500	0
2021+	12,042,000	12,042,000	0
	<b>18,063,000</b>	<b>18,063,000</b>	<b>0</b>

<b>Project Detailed Forecast</b>							
<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Expenses</b>							
2250 Vehicle Maint Parts/Materials	0	0	0	0	0	0	0
5110 Machinery & Equipment - TCA	0	0	0	3,010,500	3,010,500	12,042,000	18,063,000
Total :	0	0	0	3,010,500	3,010,500	12,042,000	18,063,000
<b>Revenues</b>							
160 Capital Expenditure Reserve	0	0	0	0	0	0	0
169 Pay As You Go - Capital Reserve	0	0	0	3,010,500	3,010,500	12,042,000	18,063,000
Total :	0	0	0	3,010,500	3,010,500	12,042,000	18,063,000

<b>Historical Approved Budget</b>			
		<b>Revenue</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>
2008	5,898,500	4,818,500	1,080,000
2009	6,509,133	3,904,557	2,604,576
2010	4,530,500	4,530,500	0
2011	3,859,554	3,859,554	0
2012	3,860,500	3,860,500	0
2013	350,000	350,000	0
2014	3,510,500	3,510,500	0
2015	3,510,500	3,510,500	0

<b>Related Projects</b>
<b>Project Title</b>

<b>Operating Budget Impact</b>			
<b>Effective Date</b>	<b>Description</b>	<b>Exp/(Rev)</b>	<b>FTE Impact</b>
Unknown	Operating efficiencies are expected as a result of the implementation of the recommendations arising from the lifecycle costing study. Those same recommendations will inform Transit Windsor about future decisions regarding fleet maintenance and replacement.	0	0

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2007	January 02, 2016	Growth: Maintenance:	Tony Houad	Ongoing



# Project Summary

<b>Project #</b>	TRN-003-07	<b>Service Area</b>	Transportation Services Office
<b>Budget Year</b>	2016	<b>Department</b>	Transit Windsor
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Transit Windsor
<b>Title</b>	Customer Service Improvements - Bus Stops		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
Customer service requirements include the purchase and installation of bus shelters, schedules at bus stops, bus stop signage and other amenities to meet the customer needs. This also includes concrete pads which are installed prior to a bus shelter installation as well as at bus stops where no bus shelter will be installed so that the bus stop area is more accessible to the customer. The ongoing shelter program will continue in 2016 as well as the replacement of bus stop signs.											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
7045018											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	20,000	20,000	0	5110 Machinery & Equipment - TCA							
2017	20,000	20,000	0		20,000	20,000	20,000	20,000	20,000	20,000	120,000
2018	20,000	20,000	0								
2019	20,000	20,000	0								
2020	20,000	20,000	0								
2021+	20,000	20,000	0								
	<b>120,000</b>	<b>120,000</b>	<b>0</b>	<b>Total :</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>120,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		127 Dev Chg - Transit							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>		20,000	20,000	20,000	20,000	20,000	20,000	120,000
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	<b>Total :</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>120,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
				Unknown	All bus shelters are cleaned twice a month at a cost of \$16.00 per shelter per month. Two new shelters would result in an increase of \$32.00 per month in window cleaning costs.				0	0	



## Project Summary

<b>Project #</b>	TRN-003-07	<b>Service Area</b>	Transportation Services Office
<b>Budget Year</b>	2016	<b>Department</b>	Transit Windsor
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Transit Windsor
<b>Title</b>	Customer Service Improvements - Bus Stops		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date
2007	January 01, 2015	Growth:0.0% Maintenance:100.0%	Steve Habrun	Ongoing





# Project Summary

<b>Project #</b>	TRN-004-07	<b>Service Area</b>	Transportation Services Office
<b>Budget Year</b>	2016	<b>Department</b>	Transit Windsor
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Transit Windsor
<b>Title</b>	Implementation of Transit Master Plan		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<p><b>Project Description</b></p> <p>The Transit Master Plan focused on an overall improvement to customer's needs including route improvements and amenities. It indicated that the number of shelters be increased at a rate of 7.3% from the existing number, however, this does not account for the replacement of aging or damaged bus shelters. Implementation of new bus stop signage across the city to provide customers with route and contact information at each bus stop is to be completed in conjunction with Transit's new ITS system. As Transit Windsor grows its service, along with the growth of the City of Windsor, customer service amenities will continue to increase in scope, size and importance to include transit terminal amenities, other bus stop amenities and additional customer service needs.</p>	<p><b>Version Description</b></p> <p>The project funds are set aside and earmarked for passenger/customer amenities as the need arises. In conjunction with the Intelligent Information System (ITS) project, there will be a city wide revamping of bus signs to provide passengers with route and contact information.</p>																																																																																																										
<p><b>Project Comments/Reference</b></p> <p>(Closed 7071189) 7075189</p>	<p><b>Version Comments</b></p>																																																																																																										
<p><b>Project Forecast</b></p> <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>2016</td> <td>50,000</td> <td>50,000</td> <td>0</td> </tr> <tr> <td>2017</td> <td>50,000</td> <td>50,000</td> <td>0</td> </tr> <tr> <td>2018</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>2019</td> <td>100,000</td> <td>100,000</td> <td>0</td> </tr> <tr> <td>2020</td> <td>50,000</td> <td>50,000</td> <td>0</td> </tr> <tr> <td>2021+</td> <td>50,000</td> <td>50,000</td> <td>0</td> </tr> <tr> <td></td> <td><b>300,000</b></td> <td><b>300,000</b></td> <td><b>0</b></td> </tr> </tbody> </table>	Year	Total Expense	Revenue		Net City Cost	Subsidies	2016	50,000	50,000	0	2017	50,000	50,000	0	2018	0	0	0	2019	100,000	100,000	0	2020	50,000	50,000	0	2021+	50,000	50,000	0		<b>300,000</b>	<b>300,000</b>	<b>0</b>	<p><b>Project Detailed Forecast</b></p> <table border="1"> <thead> <tr> <th>GL Account</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021+</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td colspan="8"><b>Expenses</b></td> </tr> <tr> <td>5410 Construction Contracts - TCA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>50,000</td> <td>50,000</td> <td>0</td> <td>100,000</td> <td>50,000</td> <td>50,000</td> <td>300,000</td> </tr> <tr> <td>Total :</td> <td>50,000</td> <td>50,000</td> <td>0</td> <td>100,000</td> <td>50,000</td> <td>50,000</td> <td>300,000</td> </tr> <tr> <td colspan="8"><b>Revenues</b></td> </tr> <tr> <td>169 Pay As You Go - Capital Reserve</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>50,000</td> <td>50,000</td> <td>0</td> <td>100,000</td> <td>50,000</td> <td>50,000</td> <td>300,000</td> </tr> <tr> <td>Total :</td> <td>50,000</td> <td>50,000</td> <td>0</td> <td>100,000</td> <td>50,000</td> <td>50,000</td> <td>300,000</td> </tr> </tbody> </table>	GL Account	2016	2017	2018	2019	2020	2021+	Total	<b>Expenses</b>								5410 Construction Contracts - TCA									50,000	50,000	0	100,000	50,000	50,000	300,000	Total :	50,000	50,000	0	100,000	50,000	50,000	300,000	<b>Revenues</b>								169 Pay As You Go - Capital Reserve									50,000	50,000	0	100,000	50,000	50,000	300,000	Total :	50,000	50,000	0	100,000	50,000	50,000	300,000
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## Project Summary

<b>Project #</b>	TRN-004-07	<b>Service Area</b>	Transportation Services Office
<b>Budget Year</b>	2016	<b>Department</b>	Transit Windsor
<b>Asset Type</b>	Unassigned	<b>Division</b>	Administration - Transit Windsor
<b>Title</b>	Implementation of Transit Master Plan		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

Project Title			Effective Date	Description	Exp/(Rev)	FTE Impact
			Unknown	Until further information becomes available the amount of the operating impact cannot be quantified.	0	0

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2007	January 01, 2015	Growth:25.0% Maintenance:75.0%	Steve Habrun	Ongoing



## Project Summary

<b>Project #</b>	TRN-005-07	<b>Service Area</b>	Transportation Services Office
<b>Budget Year</b>	2016	<b>Department</b>	Transit Windsor
<b>Asset Type</b>	Unassigned	<b>Division</b>	Transit Maintenance
<b>Title</b>	Handi-Transit Bus Acquisitions		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>			
<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, we plan to access the Metrolinx project in order to obtain the best price possible before purchasing.	<b>Version Description</b> 2016: Purchase (4) replacement vehicles - approx. cost \$120,000 ea. - \$480,000 2019: Purchase (4) replacement vehicles - approx. cost \$120,000 ea. - \$480,000 2020: Purchase (2) replacement vehicles - approx. cost \$120,000 ea. - \$240,000																																																																																																										
<b>Project Comments/Reference</b> (7081003/7091038 Closed) 7151008/7161043	<b>Version Comments</b>																																																																																																										
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## Project Summary

<b>Project #</b>	TRN-005-07	<b>Service Area</b>	Transportation Services Office
<b>Budget Year</b>	2016	<b>Department</b>	Transit Windsor
<b>Asset Type</b>	Unassigned	<b>Division</b>	Transit Maintenance
<b>Title</b>	Handi-Transit Bus Acquisitions		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>			
<b>Version Name</b>	Main (Active)		

Project Title			Effective Date	Description	Exp/(Rev)	FTE Impact
			Unknown	Handi-Transit will acquire (4) four new buses in 2016, with these new vehicles in the fleet we will have 50% of our fleet that should require minimal maintenance in order to meet and maintain MTO requirements. Since we do not have firm delivery date for these vehicles we cannot provide an impact cost to our vehicle maintenance account at this time. (2015 buses are just now being delivered at the end of November). We have asked that our 2016 vehicles be built and delivered as soon as possible since Metrolinx has granted a two year contract to Overland Custom Coach to provide these vehicles. Overland is suggesting that by April or May 2016, we could see delivery. Old vehicles will then have to be maintained for at least the first quarter of 2016.	0	0

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2007	January 01, 2015	Growth:100.0% Maintenance:0.0%	Lori Colenutt	2020+



## Project Summary

<b>Project #</b>	TRN-001-08	<b>Service Area</b>	Transportation Services Office
<b>Budget Year</b>	2016	<b>Department</b>	Transit Windsor
<b>Asset Type</b>	Unassigned	<b>Division</b>	Transit Maintenance
<b>Title</b>	Smart Bus Technology/Intelligent Transportation System (ITS)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

Project Description	Version Description
<p>The entire Smart Bus Technology/Intelligent Transportation System (ITS) project is projected to have a 12 to 18 months implementation time frame. Transit Windsor is currently working with the City of Windsor's Information Technology Division, the City of Windsor's Legal Department and the selected vendor to finalize the implementation plan and contract terms. As previously communicated in the report to Council, the Intelligent Transportation System provides a unified computerized system with all components needed in today's modern transit buses including:</p> <ul style="list-style-type: none"> <li>• Automatic Vehicle Location</li> <li>• Computer-Aided Dispatch for real time service monitoring</li> <li>• Real Time Passenger Information Systems</li> <li>• Automated Stop Announcements</li> <li>• Implementation of security cameras on the buses</li> </ul>	<p>As recently reported to Council in the ITS report, the Management Team at Transit Windsor has recognized that there are opportunities for transformation in some operational areas. For the City of Windsor and Transit Windsor, using smart bus technology would greatly improve the delivery of transit services and benefits provided to passengers in the following ways:</p> <p><b>More Predictable Bus Service</b> Through access to real time information, riders would be able to predict the arrival of their bus at a stop including if it has been delayed for some reason. Third party applications could publish this information through the City's Open Data Initiative.</p> <p><b>Improved Accessibility</b> The automated announcement of the next bus stop would create a more user friendly and accessible public transportation service for an increasingly diverse population.</p> <p><b>More Reliable Service</b> Operators and the Transit Control Centre could monitor the real time status of buses compared to the planned schedule, thus enabling them to address operational issues as they occur.</p> <p><b>Safer Transit Experience</b> By integrating security cameras into the solution, Transit Windsor will have the ability to review documented video footage and follow up on reported incidents. This would also greatly reduce insurance claim costs by those claiming injury onboard buses.</p>
Project Comments/Reference	Version Comments
<p>7139007</p> <p>Report #17574 was presented to Council on July 6, 2015. The Intelligent Transportation System (ITS) RFP Phase II identified additional funds required and has therefore pre-committed funds in 2019 in the amount of \$500,000, towards the completion of this project.</p> <p>This project has already been formally approved and spending has begun.</p> <p>Please see attachment for details of operating budget impact.</p>	<p>As Council is aware, Transit Windsor will be submitting the ITS Project for consideration of funding under the National Infrastructure Component of the New Building Canada Fund (NBCF). The ITS Project would be eligible for the maximum federal contribution of up to 50% of the total eligible costs. Currently, the project has \$1.7 million approved under the 2013 Enhanced Capital Spending Plan, and as per CR129/2015, Council approved a pre-commitment of \$500,000 from the 'planned' 2019 Capital Budget for the Transit Windsor ITS Project.</p>



# Project Summary

<b>Project #</b>	TRN-001-08	<b>Service Area</b>	Transportation Services Office
<b>Budget Year</b>	2016	<b>Department</b>	Transit Windsor
<b>Asset Type</b>	Unassigned	<b>Division</b>	Transit Maintenance
<b>Title</b>	Smart Bus Technology/Intelligent Transportation System (ITS)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

Project Forecast			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2016	0	0	0
2017	0	0	0
2018	0	0	0
2019	500,000	500,000	0
2020	0	0	0
2021+	0	0	0
	<b>500,000</b>	<b>500,000</b>	<b>0</b>

Historical Approved Budget			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies

Related Projects	
Year	Project Title

Project Detailed Forecast							
GL Account	2016	2017	2018	2019	2020	2021+	Total
<b>Expenses</b>							
5110 Machinery & Equipment - TCA							
	0	0	0	500,000	0	0	500,000
Total :	0	0	0	500,000	0	0	500,000
<b>Revenues</b>							
160 Capital Expenditure Reserve							
	0	0	0	305,000	0	0	305,000
169 Pay As You Go - Capital Reserve							
	0	0	0	195,000	0	0	195,000
Total :	0	0	0	500,000	0	0	500,000

Operating Budget Impact			
Effective Date	Description	Exp/(Rev)	FTE Impact
2017-01-01	With the project launch target of Q4 2015, the additional operating costs slated to begin in year 2 would begin in 2017. The operating costs of the project for years 2-5, are estimated as a net annual increase of \$160,109 (subject to changes in CPI and annual negotiated increases, as well as offsets by other potential savings and efficiencies). In addition, the staff establishment at Transit Windsor will be adjusted by a net 1 FTE position as a result of the addition of 1 FTE Hardware Support Specialist and the conversion of 1 FTE Statistics and Transit Technology Coordinator to 1 FTE ITS Coordinator. Details of the operating budget impact are listed in the attachment as per Report #17574, CR129/2015.	160,108	0

<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>	<b>Project Lead</b>	<b>Est. Completion Date</b>
2008	January 01, 2016	Growth: Maintenance:	Tony Houad	2019 & Beyond

Project # TRN-001-08

Project Name: Smart Bus Technology/Intelligent Transportation System (ITS)

Operating Budget Impacts

Description	Estimated	Estimated	Estimated	Estimated
	Operating Costs	Operating Costs	Operating Costs	Operating Costs
	2017	2018	2019	2020
Software Licenses (\$303,800 contract, 5 year term with 4 annual payments)	\$75,950	\$75,950	\$75,950	\$75,950
Extended Hardware Warranty (note1) (\$132,000 contract, 5 year term)	29,000	31,000	34,000	38,000
Extended Operation and Maintenance (\$80,000 contract, 5 year term)	19,000	20,000	20,000	21,000
Hardware Maintenance (IT)	3,920	3,920	3,920	3,920
Hosting Option - Strategic Mapping Inc. (\$27,200 capital + \$6,800 per year; \$34,000 contract, 5 year term)	6,800	6,800	6,800	6,800
Hosting Option (IT)	15,000	15,000	15,000	15,000
Subtotal	\$149,670	\$152,670	\$155,670	\$160,670
Cell Communications	48,768	48,768	48,768	48,768
WIFI System Costs (IT)	1,000	1,000	1,000	1,000
Subtotal (excluding HST)	199,438	202,438	205,438	210,438
Add: Non-refundable HST	3,511	3,563	3,616	3,704
Subtotal (including HST net of rebate)	\$202,949	\$206,001	\$209,054	\$214,142
Staff Resources (Transit Windsor)				
ITS Coordinator	112,097	114,115	116,169	118,260
Hardware Support Specialist	102,160	109,057	116,169	118,260
Subtotal – Staff Resources	\$214,257	\$223,172	\$232,338	\$236,520
Total Gross Operating Costs	\$417,206	\$429,173	\$441,392	\$450,662
Salary offset due to internal job realignments	(112,097)	(114,115)	(116,169)	(118,260)
Projected Increase in Ridership Revenue	(145,000)	(145,000)	(145,000)	(145,000)
<b>Total Net Operating Costs</b>	<b>\$160,109</b>	<b>\$170,058</b>	<b>\$180,223</b>	<b>\$187,402</b>



# Project Summary

<b>Project #</b>	TRN-002-08	<b>Service Area</b>	Transportation Services Office
<b>Budget Year</b>	2016	<b>Department</b>	Transit Windsor
<b>Asset Type</b>	Unassigned	<b>Division</b>	Transit Maintenance
<b>Title</b>	Fleet Structural Repairs		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>																																																																																																																																	
<p>This request is for major repair costs to the fleet 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.</p>				<p>This provision will assist in replacing major components such as hybrid batteries, DPIM's and the DPF emission system when replacement is required. Industry experience is showing these two major components are starting 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.</p>																																																																																																																																	
<b>Project Comments/Reference</b>				<b>Version Comments</b>																																																																																																																																	
(Closed: 7135000/7141016) /7161042				<p>Transit Windsor is currently working with the Asset Planning area and a consultant in completing an extensive review of transit's fleet which includes a full life-cycle costing of Transit's buses as well as a scheduled fleet replacement program. A separate report will be presented to City Council.</p>																																																																																																																																	
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2008	January 01, 2016	Growth:0.0% Maintenance:100.0%		Tony Houad				Ongoing																																																																																																																													





# Project Summary

<b>Project #</b>	TRN-002-13	<b>Service Area</b>	Transportation Services Office
<b>Budget Year</b>	2016	<b>Department</b>	Transit Windsor
<b>Asset Type</b>	Unassigned	<b>Division</b>	Transit Maintenance
<b>Title</b>	Fuel System Upgrade and Control Renovations		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
<p>The current fuel system was first installed in 1988 and upgraded in 2004. The system was originally designed to track and control distribution of all diesel fuel, gasoline SAE 40 engine oil and transmission oil. Over the years, the influence of new engine and transmission technologies has led to the introduction of additional oils. Also, different business and work practices have forced more distribution needs and the current system was never upgraded to accommodate these needs. A request of \$100,000 has been made to upgrade this system.</p>				<p>The budget for Transit Windsor's annual bulk fluids is approximately \$154,000. Currently, Transit Windsor is unable to track the usage of bulk fluids (antifreeze, engine oil, transmission fluid, and window washer fluid) back to the bus fleet. This upgrade would allow for the effective management and costing of oil usage, by monitoring usage and costing by kilometre, similar to the monitoring of fuel usage litres by kilometre that is currently in place. Implementation of this system would ensure proper controls are put in place to safeguard the inventory of bulk fluids. It would also assist in the monthly monitoring of budget versus actual costs in the maintenance area.</p>							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5110 Machinery & Equipment - TCA							
2017	0	0	0		0	0	0	100,000	0	0	100,000
2018	0	0	0	<b>Total :</b>	0	0	0	100,000	0	0	100,000
2019	100,000	100,000	0	<b>Revenues</b>							
2020	0	0	0	169 Pay As You Go - Capital Reserve							
2021+	0	0	0		0	0	0	100,000	0	0	100,000
	<b>100,000</b>	<b>100,000</b>	<b>0</b>	<b>Total :</b>	0	0	0	100,000	0	0	100,000
<b>Historical Approved Budget</b>				<b>Operating Budget Impact</b>							
		<b>Revenue</b>		<b>Effective Date</b>	<b>Description</b>				<b>Exp/(Rev)</b>	<b>FTE Impact</b>	
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	Unknown	The implementation of a fuel system upgrade would assist in the monthly monitoring of budget versus actual costs in the maintenance area and potentially assist in the identification of waste and tightening of controls in this area.				0	0	
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>											
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2013	January 01, 2019	Growth: Maintenance:		Tony Houad				2019 & Beyond			



# Project Summary

<b>Project #</b>	TRN-001-15	<b>Service Area</b>	Transportation Services Office
<b>Budget Year</b>	2016	<b>Department</b>	Transit Windsor
<b>Asset Type</b>	Unassigned	<b>Division</b>	Transit Maintenance
<b>Title</b>	Transit Windsor Buses - Enhanced Capital Placeholder (DRL)		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	City Wide		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>							
As per the 2014 Capital Enhanced Plan, Council approved in principle funds from the 2018 Debt Reduction Levy (DRL) for the acquisition of Transit Windsor buses.				Administration is currently reviewing the results of the recent life cycle costing study and developing next steps including the financial implications on Transit Windsor's operating budget; subsequent to which a detailed report will be submitted to Council identifying the use of these placeholder funds.							
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>	<b>Expenses</b>							
2016	0	0	0	5110 Machinery & Equipment - TCA							
2017	0	0	0								
2018	4,000,000	4,000,000	0								
2019	0	0	0								
2020	0	0	0								
2021+	0	0	0								
	<b>4,000,000</b>	<b>4,000,000</b>	<b>0</b>	<b>Total :</b>							
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		169 Pay As You Go - Capital Reserve							
<b>Year</b>	<b>Total Expense</b>	<b>Net City Cost</b>	<b>Subsidies</b>								
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>	<b>Exp/(Rev)</b>				<b>FTE Impact</b>	
				Unknown	The acquisition of new buses is expected to generate operating efficiencies as noted in the life cycle costing study.	0				0	
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2014	January 01, 2018	Growth: Maintenance:		Tony Houad				2018			



# Project Summary

<b>Project #</b>	TRN-001-16	<b>Service Area</b>	Transportation Services Office
<b>Budget Year</b>	2016	<b>Department</b>	Transit Windsor
<b>Asset Type</b>	Unassigned	<b>Division</b>	Transit Maintenance
<b>Title</b>	Fleet Refurbishment/Repair Costs		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>			
<b>Version Name</b>	Fleet Refurbishment/Repair Costs (Active)		

<b>Project Description</b>				<b>Version Description</b>							
<p>This project contains funding for the Transit Windsor fleet refurbishment and repair costs that extend the useful life of the buses.</p> <p>The 2016 Capital Budget submission includes a provision for refurbishment and repair costs.</p>											
<b>Project Comments/Reference</b>				<b>Version Comments</b>							
(Closed: 7151007) / 7161041											
<b>Project Forecast</b>				<b>Project Detailed Forecast</b>							
		<b>Revenue</b>		<b>GL Account</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021+</b>	<b>Total</b>
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<b>Expenses</b>							
2016	471,000	471,000	0	2250 Vehicle Maint Parts/Materials							
2017	500,000	500,000	0		471,000	500,000	500,000	500,000	500,000	529,000	3,000,000
2018	500,000	500,000	0								
2019	500,000	500,000	0								
2020	500,000	500,000	0								
2021+	529,000	529,000	0								
	<b>3,000,000</b>	<b>3,000,000</b>	<b>0</b>	<b>Total :</b>	<b>471,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>529,000</b>	<b>3,000,000</b>
<b>Historical Approved Budget</b>				<b>Revenues</b>							
		<b>Revenue</b>		160 Capital Expenditure Reserve							
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>		150,000	0	500,000	0	0	0	650,000
				169 Pay As You Go - Capital Reserve							
					321,000	500,000	0	500,000	500,000	529,000	2,350,000
				<b>Total :</b>	<b>471,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>529,000</b>	<b>3,000,000</b>
<b>Related Projects</b>				<b>Operating Budget Impact</b>							
<b>Project Title</b>				<b>Effective Date</b>	<b>Description</b>					<b>Exp/(Rev)</b>	<b>FTE Impact</b>
					No Operating Budget Impact						
<b>Year Identified</b>	<b>Start Date</b>	<b>Project Type for 2016</b>		<b>Project Lead</b>				<b>Est. Completion Date</b>			
2016	January 01, 2016	Growth:0.0% Maintenance:100.0%		Tony Houad							



## Project Summary

<b>Project #</b>	ECP-046-07	<b>Service Area</b>	Transportation Services Office
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Airport
<b>Asset Type</b>	Unassigned	<b>Division</b>	Windsor-Airport
<b>Title</b>	Windsor Airport Improvement - Asset Management		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	Ward 9		
<b>Version Name</b>	Main (Active)		

Project Description	Version Description
<p>YQG has requested various items as outlined in the attached YQG letter. However, due to limited capital funding, YQG must prioritize those capital items to ensure the continuous and safe operations of the Airport.</p>	<p>2016: \$300,000 ongoing storm-water drainage work            \$200,000 removal of abandoned heating plant building            \$54,000 rehabilitation of the runway pavement            \$25,000 a transformer upgrade            \$71,000 electrical and plumbing upgrades</p> <p>2017: \$100,000 pavement rehabilitation            \$45,000 fuel tank management system            \$15,000 airside window glazing            \$300,000 drainage repairs            \$40,000 new baggage carts</p> <p>2018: \$100,000 drainage</p> <p>2019: \$100,000 pavement rehabilitation            \$245,000 fire-suppression water mains</p> <p>2020: \$100,000 ongoing drainage maintenance            \$100,000 pavement maintenance            \$40,000 painting exterior of the Combined Services and steel dry storage building            \$140,000 HVAC upgrades RTU #2 and 3</p>
Project Comments/Reference	Version Comments
<p>(Closed: 7059011/7111009)            7141054 Drainage Improv.            7141055 Electrical-Fleet-Facilities            See attached YQG letter dated August 12, 2015 and approved by YQG Board of Directors.</p>	<p>Additional project funds (\$2.5m) have been pre-approved in principle as a placeholder in the 2014 Approved Capital Budget. CR89/2014 Report #17088 approves this placeholder.</p>



# Project Summary

<b>Project #</b>	ECP-046-07	<b>Service Area</b>	Transportation Services Office
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Airport
<b>Asset Type</b>	Unassigned	<b>Division</b>	Windsor-Airport
<b>Title</b>	Windsor Airport Improvement - Asset Management		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	Ward 9		
<b>Version Name</b>	Main (Active)		

Project Forecast			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2016	650,000	650,000	0
2017	500,000	500,000	0
2018	100,000	100,000	0
2019	345,000	345,000	0
2020	380,000	380,000	0
2021+	400,000	400,000	0
	<b>2,375,000</b>	<b>2,375,000</b>	<b>0</b>

Historical Approved Budget			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2009	250,000	250,000	0
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

Related Projects

Project Detailed Forecast							
GL Account	2016	2017	2018	2019	2020	2021+	Total
<b>Expenses</b>							
5410 Construction Contracts - TCA	650,000	500,000	100,000	345,000	380,000	400,000	2,375,000
Total :	650,000	500,000	100,000	345,000	380,000	400,000	2,375,000
<b>Revenues</b>							
028 Sewer Surcharge	500,000	340,000	100,000	0	0	0	940,000
160 Capital Expenditure Reserve	150,000	100,000	0	345,000	380,000	0	975,000
169 Pay As You Go - Capital Reserve	0	60,000	0	0	0	400,000	460,000
Total :	650,000	500,000	100,000	345,000	380,000	400,000	2,375,000

Operating Budget Impact



## Project Summary

<b>Project #</b>	ECP-046-07	<b>Service Area</b>	Transportation Services Office
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Airport
<b>Asset Type</b>	Unassigned	<b>Division</b>	Windsor-Airport
<b>Title</b>	Windsor Airport Improvement - Asset Management		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	Ward 9		
<b>Version Name</b>	Main (Active)		

Follows	Project Title	Effective Date	Description	Exp/(Rev)	FTE Impact
ECP-010-09	Airport Infrastructure - Asset Replacement	Unknown	<p>2016 – Drainage required to prevent flooding which deteriorates aprons, taxiways, and runways and are extremely expensive to repair/replace. Abandoned heating plant to be demolished to avoid costly maintenance and increase parking capacity. Runway rehabilitation required meet Transport Canada standards and extend useful life of runways. Transformer and electrical upgrades required for taxiways to ensure YQG can continue to meet Transport Canada standards without risking system failure. 2017 - Drainage required to prevent flooding which deteriorates aprons, taxiways, and runways and are extremely expensive to repair/replace. Runway rehabilitation required meet Transport Canada standards and extend useful life of runways. Fuel management system out-of-date but necessary to control fuel and bill customers. Window Glazing to replaced failed window seals in pre-board area to improve visibility and increase energy efficiency. Baggage carts required to handle increased passenger levels due to new air services. 2018 - Drainage required to prevent flooding which deteriorates aprons, taxiways, and runways and are extremely expensive to repair/replace. 2019 - Runway rehabilitation required meet Transport Canada standards and extend useful life of runways. Fire water mains are failing at an increasing rate and need to be overhauled for safety. 2020 - Drainage required to prevent flooding which deteriorates aprons, taxiways, and runways and are extremely expensive to repair/replace. Runway rehabilitation required meet Transport Canada standards and extend useful life of runways. Painting required to extend life of building exteriors. HVAC units will be 25 year-old and will be near end of life-expectancy.</p>	0	0
Year Identified	Start Date	Project Type for 2016	Project Lead	Est. Completion Date	
2007	January 01, 2015	Growth:0.0% Maintenance:100.0%	France Isabelle Tunks	Ongoing	



**YOUR  
QUICK  
GATEWAY  
(WINDSOR)**

Windsor International Airport  
3200 County Rd. 42  
Unit Number 200  
Windsor, Ontario  
Canada, N8V 0A1

phone: 519-969-2430  
fax: 519-969-6053  
web: www.YQG.ca

August 12<sup>th</sup> 2015

Corporation of the City of Windsor  
350 City Hall Square West  
Windsor, ON N9A 6S1

**Attention: Helga Reidel, Chief Administrative Officer**

Dear Ms. Reidel;

**RE: AMENDED FIVE (5) YEAR CAPITAL PLAN FOR AIRPORT OPERATIONS  
YOUR QUICK GATEWAY (WINDSOR) INC.**

---

Your Quick Gateway (Windsor) Inc. ("YQG") hereby requests your consideration for funding the five –year capital plan for the Windsor International Airport. The capital funding is requested to sustain airport operations in compliance with ongoing Federal, Provincial and Municipal regulatory and legal requirements.

**Airport Operations**

Section 6.3 of the Airport Management Agreement between the Corporation of the City of Windsor and YQG provides as follows:

YQG shall prepare a five-year Capital Improvement Plan for the Airport which shall be reviewed by the Airport Coordinating Committee on an annual basis and recommended to Council for approval. Once the five-year plan has been approved by Council, items forming part of this plan shall be included in a Capital Budget within the five-year timeframe as decided by YQG and approved by the Airport Coordinating Committee.

The proposed capital improvements will benefit all airline passengers, general aviation aircraft as well as flight training facilities , the MRO and cargo aircraft. The capital improvements are required to help ensure that the airport meets safety-related regulatory requirements as prescribed by Transport Canada as well as the long-term growth of air service for domestic and international travelers.

The five-year capital budget for Airport operations is summarized below.

	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
Asset Management	\$650,000	\$500,000	\$100,000	\$345,000	\$380,000
Asset Replacement	\$160,000	\$460,000	\$200,000	\$8,533,000	\$7,109,000
<b>Total Capital</b>	<b>\$810,000</b>	<b>\$960,000</b>	<b>\$300,000</b>	<b>\$8,878,000</b>	<b>\$7,489,000</b>

YOUR QUICK GATEWAY

**2016**

**Asset Management**

There are no changes to the amount of \$650,000 that was previously approved in principle. This funding is required for the ongoing storm water drainage project (\$300,000); the removal of the abandoned heating plant building (\$200,000); the rehabilitation of the runway pavement (\$54,000); a transformer upgrade (\$25,000) and electrical and plumbing upgrades (\$71,000).

**Asset Replacement**

There are no changes to the amount of \$160,000 that was previously approved in principle. This funding is required for a line –painter and a runway de-icer.

**2017**

**Asset Management**

There are no changes to the amount of \$500,000 that was previously approved in principle. This funding is required for ongoing pavement rehabilitation (\$100,000); a fuel tank management system (\$45,000); airside window glazing (\$15,000); storm water drainage (\$300,000); and new baggage carts (\$40,000).

**Asset Replacement**

There are no changes to the amount of \$460,000 that was previously approved in principle. This funding is required for a new feed to the glide path localizer, the receiver/transmitter sites and the Runway 25 approach (\$290,000); and to purchase two single- axle plow trucks (\$170,000).

**2018**

**Asset Management**

There are no new requests related to asset management in 2018. The amount of \$100,000 that was previously approved in principle will be required for the storm water drainage project.

**Asset Replacement**

There are no new requests related to asset replacement in 2018. The amount of \$200,000 that was previously approved in principle will be required for drainage.

**2019**

**Asset Management**

There are no changes to the amount of \$345,000 that was previously approved in principle. This funding is required for ongoing Pavement Rehabilitation (\$100,000) and Fire Suppression Mains (\$245,000). The water mains that serve the fire hydrants around the Airport are starting to fail due to age. There was a break in the line in front of the terminal early in 2015 and a few other breaks in the previous years. Cathodic protection will be added, where feasible, to substantially extend the useful life.

**Asset Replacement**

For 2019 YQG is again requesting \$8,533,000, of which \$1,500,000 was previously approved in principle. There are no new requests related to asset replacement in 2019. The amount of \$8,533,000 that was previously requested will be required for the following:



- Rehabilitation of Runway 12-30 (\$3,600,000). Runway 12-30 is nearing the end of its useful life and will require significant rehabilitation to permit its continued use. The runway was last milled and paved in 1994.
- Reconstruction of Hayes Road (\$1,210,000). This airport road is used by the general public, transport trucks and fire trucks. After 40 years without rehabilitation, the road is now in disrepair and services adjacent to the road require repair or replacement. Replacement of the Apron 3 slab and rehabilitation of Taxiway D (\$1,311,000). Sections of the apron and the taxiway are near the end of their useful life. The slab and the taxiway were installed in 1956 and sections of the taxiway were last overlaid in 1980.
- Replacement of Apron 1 (\$1,167,000). This apron is near the end of its useful life. It was built in 1934 and last overlaid in 1982.
- Replacement of the runway edge and approach lighting systems (\$750,000). This equipment was installed in 1977 and 1980 respectively and is now failing electrical tests.
- Replacement of the Runway Sweeper (\$270,000). This equipment is 14 years old and requires replacement to ensure that the operator is able to clear snow from the runways.
- Replacement of the Tower HVAC (\$150,000). This equipment will be 34 years old and is approaching the end of its useful life.
- Replacement of the Sand Shed (\$75,000). This 1973 all wood structure is beginning to decay.

**2020**

**Asset Management**

YQG is requesting \$380,000. This funding is required for ongoing Drainage Maintenance, (\$100,000) Pavement Maintenance (\$100,000), Painting the exterior of the Combined Services Building and the steel dry storage building (\$40,000), and HVAC upgrades RTU #2 & 3 (\$140,000).

**Asset Replacement**

YQG has identified the following for replacement or rehabilitation:

- Rehabilitation of Runway 07-25 (\$6,500,000). Runway 07-25 is nearing the end of its useful life and will require significant rehabilitation to permit its continued use. The runway was last milled and paved in 2003.
- Replacement of the Tandem axle dump truck with 20 foot, 2- way snow blade (\$180,000). This truck will be 32 years old and in need of costly upkeep.
- Replacement of the 2 Flex Winged Mowers (\$38,000 each). The current mowers will be near the end of their useful life.
- Replacement of the two wheel drive Tractor (150,000). This tractor will be 27 years old and due to its usage will be beyond its life expectancy.
- Replacement of Pick-up Truck, Staff vehicle # 21, (\$55,000). This truck will be 15 years old and in need of replacement
- Replacement of the baggage carousel in the International Wing (\$120,000). This carousel was partially refurbished in 2014/15 but many of the parts had to be custom machined as the manufacturer is no longer in business and parts are not available.
- Replacement of the industrial riding lawn mower (\$28,000). This mower will be 20 years old and in need of replacement.

**2021 and Beyond (3 year projection)**

**Asset Management**

- Annual maintenance of drainage system and pavement (\$200,000)

- Painting the interior of the Airport Terminal Building (\$40,000)
- Replacing the seating in the Airport Terminal Building (\$25,000)
- Computer Upgrades (\$20,000)
- Upgrading the Runway Condition Reporting System (\$35,000)
- Upgrading the washroom facilities in the Combined Services Building (\$80,000)

**Asset Replacement**

- Lighting Upgrades for Runway 12-30 (\$145,000)
- Lighting Upgrades Taxiways A, F, D, G, E and Aprons I and III (\$125,000)
- Replacement of Staff Vehicle # 26 (\$55,000). This vehicle was purchased in 2006 and will be near the end of its useful life
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**Conclusion**

Thank you for your consideration of the above and we look forward to hearing from you at your earliest convenience.

Sincerely,

**YOUR QUICK GATEWAY (WINDSOR) INC.**



Carolyn A. Brown  
Chief Executive Officer

cc: Airport Coordinating Committee



## Project Summary

<b>Project #</b>	ECP-010-09	<b>Service Area</b>	Transportation Services Office
<b>Budget Year</b>	2016	<b>Department</b>	Windsor Airport
<b>Asset Type</b>	Unassigned	<b>Division</b>	Windsor-Airport
<b>Title</b>	Airport Infrastructure - Asset Replacement		
<b>Budget Status</b>	Council Approved Budget		
<b>Major Category</b>	Transportation Infrastructure		
<b>Wards</b>	Ward 9		
<b>Version Name</b>	Main (Active)		

<b>Project Description</b>				<b>Version Description</b>																																																																																															
<p>The construction or rehabilitation of various aprons, taxiways and runways noted within the 10-yr. capital program dated 2005-2014. Apron 1 rehabilitation and Golf West Taxiway was due in 2005-2006. Apron 111 rehabilitation and Delta Taxiway was due in 2008-2009. Runway 12-30 rehabilitation was due in 2015.</p> <p>YQG has requested items as outlined in the attached YQG letter. However, due to limited capital funding, YQG will prioritize funds based on a reactive/urgent need to ensure continuous and safe operation at the Airport.</p>				<p>2016: \$160,000 line-painter and runway de-icer. 2017: \$290,000 hydro feed to the glide-path localizer, the receiver/transmitter sites and runway 25 approach \$170,000 two single-axle plow-trucks 2018: \$200,000 drainage work 2019: \$1,500,000 main runway 12-30 rehabilitation 2020: \$6,500,000 rehabilitation of runway 07-25 \$180,000 replacement of Tandem axle dump truck \$76,000 replacement of 2 Flex-Winged mowers (\$38,000 each) \$150,000 replacement of the two wheel drive tractor \$55,000 replacement of pickup truck, staff vehicle #21 \$120,000 replacement of the baggage carousel in the International Wing \$28,000 replacement of the industrial riding lawn mower</p>																																																																																															
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Windsor International Airport  
 3200 County Rd. 42  
 Unit Number 200  
 Windsor, Ontario  
 Canada, N8V 0A1

phone: 519-969-2430  
 fax: 519-969-6053  
 web: www.YQG.ca

August 12<sup>th</sup> 2015

Corporation of the City of Windsor  
 350 City Hall Square West  
 Windsor, ON N9A 6S1

**Attention: Helga Reidel, Chief Administrative Officer**

Dear Ms. Reidel;

**RE: AMENDED FIVE (5) YEAR CAPITAL PLAN FOR AIRPORT OPERATIONS  
 YOUR QUICK GATEWAY (WINDSOR) INC.**

---

Your Quick Gateway (Windsor) Inc. ("YQG") hereby requests your consideration for funding the five –year capital plan for the Windsor International Airport. The capital funding is requested to sustain airport operations in compliance with ongoing Federal, Provincial and Municipal regulatory and legal requirements.

**Airport Operations**

Section 6.3 of the Airport Management Agreement between the Corporation of the City of Windsor and YQG provides as follows:

YQG shall prepare a five-year Capital Improvement Plan for the Airport which shall be reviewed by the Airport Coordinating Committee on an annual basis and recommended to Council for approval. Once the five-year plan has been approved by Council, items forming part of this plan shall be included in a Capital Budget within the five-year timeframe as decided by YQG and approved by the Airport Coordinating Committee.

The proposed capital improvements will benefit all airline passengers, general aviation aircraft as well as flight training facilities , the MRO and cargo aircraft. The capital improvements are required to help ensure that the airport meets safety-related regulatory requirements as prescribed by Transport Canada as well as the long-term growth of air service for domestic and international travelers.

The five-year capital budget for Airport operations is summarized below.

	2016	2017	2018	2019	2020
Asset Management	\$650,000	\$500,000	\$100,000	\$345,000	\$380,000
Asset Replacement	\$160,000	\$460,000	\$200,000	\$8,533,000	\$7,109,000
<b>Total Capital</b>	<b>\$810,000</b>	<b>\$960,000</b>	<b>\$300,000</b>	<b>\$8,878,000</b>	<b>\$7,489,000</b>

YOUR QUICK GATEWAY

**2016**

**Asset Management**

There are no changes to the amount of \$650,000 that was previously approved in principle. This funding is required for the ongoing storm water drainage project (\$300,000); the removal of the abandoned heating plant building (\$200,000); the rehabilitation of the runway pavement (\$54,000); a transformer upgrade (\$25,000) and electrical and plumbing upgrades (\$71,000).

**Asset Replacement**

There are no changes to the amount of \$160,000 that was previously approved in principle. This funding is required for a line –painter and a runway de-icer.

**2017**

**Asset Management**

There are no changes to the amount of \$500,000 that was previously approved in principle. This funding is required for ongoing pavement rehabilitation (\$100,000); a fuel tank management system (\$45,000); airside window glazing (\$15,000); storm water drainage (\$300,000); and new baggage carts (\$40,000).

**Asset Replacement**

There are no changes to the amount of \$460,000 that was previously approved in principle. This funding is required for a new feed to the glide path localizer, the receiver/transmitter sites and the Runway 25 approach (\$290,000); and to purchase two single- axle plow trucks (\$170,000).

**2018**

**Asset Management**

There are no new requests related to asset management in 2018. The amount of \$100,000 that was previously approved in principle will be required for the storm water drainage project.

**Asset Replacement**

There are no new requests related to asset replacement in 2018. The amount of \$200,000 that was previously approved in principle will be required for drainage.

**2019**

**Asset Management**

There are no changes to the amount of \$345,000 that was previously approved in principle. This funding is required for ongoing Pavement Rehabilitation (\$100,000) and Fire Suppression Mains (\$245,000). The water mains that serve the fire hydrants around the Airport are starting to fail due to age. There was a break in the line in front of the terminal early in 2015 and a few other breaks in the previous years. Cathodic protection will be added, where feasible, to substantially extend the useful life.

**Asset Replacement**

For 2019 YQG is again requesting \$8,533,000, of which \$1,500,000 was previously approved in principle. There are no new requests related to asset replacement in 2019. The amount of \$8,533,000 that was previously requested will be required for the following:

- Rehabilitation of Runway 12-30 (\$3,600,000). Runway 12-30 is nearing the end of its useful life and will require significant rehabilitation to permit its continued use. The runway was last milled and paved in 1994.
- Reconstruction of Hayes Road (\$1,210,000). This airport road is used by the general public, transport trucks and fire trucks. After 40 years without rehabilitation, the road is now in disrepair and services adjacent to the road require repair or replacement. Replacement of the Apron 3 slab and rehabilitation of Taxiway D (\$1,311,000). Sections of the apron and the taxiway are near the end of their useful life. The slab and the taxiway were installed in 1956 and sections of the taxiway were last overlaid in 1980.
- Replacement of Apron 1 (\$1,167,000). This apron is near the end of its useful life. It was built in 1934 and last overlaid in 1982.
- Replacement of the runway edge and approach lighting systems (\$750,000). This equipment was installed in 1977 and 1980 respectively and is now failing electrical tests.
- Replacement of the Runway Sweeper (\$270,000). This equipment is 14 years old and requires replacement to ensure that the operator is able to clear snow from the runways.
- Replacement of the Tower HVAC (\$150,000). This equipment will be 34 years old and is approaching the end of its useful life.
- Replacement of the Sand Shed (\$75,000). This 1973 all wood structure is beginning to decay.

**2020**

**Asset Management**

YQG is requesting \$380,000. This funding is required for ongoing Drainage Maintenance, (\$100,000) Pavement Maintenance (\$100,000), Painting the exterior of the Combined Services Building and the steel dry storage building (\$40,000), and HVAC upgrades RTU #2 & 3 (\$140,000).

**Asset Replacement**

YQG has identified the following for replacement or rehabilitation:

- Rehabilitation of Runway 07-25 (\$6,500,000). Runway 07-25 is nearing the end of its useful life and will require significant rehabilitation to permit its continued use. The runway was last milled and paved in 2003.
- Replacement of the Tandem axle dump truck with 20 foot, 2- way snow blade (\$180,000). This truck will be 32 years old and in need of costly upkeep.
- Replacement of the 2 Flex Winged Mowers (\$38,000 each). The current mowers will be near the end of their useful life.
- Replacement of the two wheel drive Tractor (150,000). This tractor will be 27 years old and due to its usage will be beyond its life expectancy.
- Replacement of Pick-up Truck, Staff vehicle # 21, (\$55,000). This truck will be 15 years old and in need of replacement
- Replacement of the baggage carousel in the International Wing (\$120,000). This carousel was partially refurbished in 2014/15 but many of the parts had to be custom machined as the manufacturer is no longer in business and parts are not available.
- Replacement of the industrial riding lawn mower (\$28,000). This mower will be 20 years old and in need of replacement.

**2021 and Beyond (3 year projection)**

**Asset Management**

- Annual maintenance of drainage system and pavement (\$200,000)

- Painting the interior of the Airport Terminal Building (\$40,000)
- Replacing the seating in the Airport Terminal Building (\$25,000)
- Computer Upgrades (\$20,000)
- Upgrading the Runway Condition Reporting System (\$35,000)
- Upgrading the washroom facilities in the Combined Services Building (\$80,000)

**Asset Replacement**

- Lighting Upgrades for Runway 12-30 (\$145,000)
- Lighting Upgrades Taxiways A, F, D, G, E and Aprons I and III (\$125,000)
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Carolyn A. Brown  
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