

ADOPTED by Council at its meeting held January 23, 2012 [M27-2012]
/AA
Windsor, Ontario January 23, 2012

REPORT NO. 33 of the
ENVIRONMENT & TRANSPORTATION STANDING COMMITTEE
of its meeting held November 23, 2011

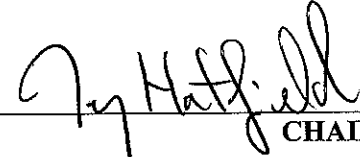
Present: Councillor Hatfield, Chair
Councillor Payne
Councillor Sleiman
Councillor Halberstadt
Councillor Valentinis

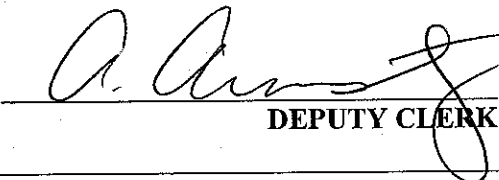
That the following recommendations of the Environment and Transportation Standing Committee **BE APPROVED:**

Moved by Councillor Payne, seconded by Councillor Sleiman,
That the minutes of the Windsor-Essex County Environment Committee meeting held October 13, 2011 **BE RECEIVED** for information.
Carried.

Clerk's Note: The minutes of the Windsor-Essex County Environment Committee meeting held October 13, 2011 are attached as background information.

MB2011


CHAIRPERSON


DEPUTY CLERK

NOTIFICATION:				
Name	Address	Email Address	Telephone	FAX
Windsor Essex county Environment Committee members				

KK/
Windsor, Ontario October 13, 2011

A meeting of the **Windsor-Essex County Environment Committee** is held this day commencing at 5:30 o'clock p.m. in the Windsor Airport Board Room, there being present the following members:

Charlie Wright, Co-Chair
Councillor Alan Halberstadt, Co-Chair
Mark Bartlett
Dean Clevett
Derek Coronado
Rick Coronado
Karen Fallon
Paul Henshaw
John Miller
Juliet Mohammed
Phil Roberts (arrives at 6:13 p.m.)
Radwan Tamr (arrives at 5:37 p.m.)

Regrets received from:

Shahbaz Ahmed
Pauline Cheslock
Matthew Child
Andrew Pula

Also present are the following resource personnel:

James Bryant, County Engineering
Michael Cooke, Manager of Planning Policy
Averil Parent, Environmental Coordinator Assistant/WECEC Coordinator
Karen Kadour (A) Committee Coordinator

1. CALL TO ORDER

C. Wright, Co-Chair calls the meeting to order at 5:32 o'clock p.m. and the Committee considers the Agenda being Schedule "A" **attached** hereto, matters which are dealt with as follows:

2. ADDITIONS TO THE AGENDA

None.

3. DECLARATIONS OF CONFLICT

None.

4. MINUTES

Moved by D. Clevett, seconded by K. Fallon,

That the minutes of the meeting of the Windsor Essex County Environment Committee held September 1, 2011 **BE ADOPTED AS AMENDED** to reflect that Dean Clevett did not move the approval of the WECEC minutes held April 1, 2011 as he was not in attendance.

Carried.

5. BUSINESS ARISING FROM THE MINUTES

5.1 Enviro Expo

A. Parent reports that the Enviro Expo scheduled for November 5-6, 2011 has been rescheduled to March 29-30, 2012 due to a lack of participation.

Discussion ensues regarding the purchase of "environmental" items to give as prizes at the Enviro Expo.

Moved by D. Clevett, seconded by J. Miller,

That **APPROVAL BE GIVEN** to an expenditure in the upset amount of \$1,000 for the purchase of "environmental" prizes for the Enviro Expo to be held from March 29-30, 2012 at a time and location to be determined and further, that the Environmental Coordinator **BE REQUESTED** to provide suggestions for the prizes at the November 3, 2011 meeting.

Carried.

5.2 2011 Provincial Environmental Advisory Committee Symposium

Moved by M. Bartlett, seconded by K. Fallon,

That **APPROVAL BE GIVEN** to an expenditure in the upset amount of \$1,000 for Councillor Halberstadt, J. Mohammed, A. Parent and J. Miller to attend the 2011 Provincial Environmental Advisory Committee Symposium – International Year of Forests to be held on November 19, 2011 at the Durham Regional Headquarters in Durham, Ontario.

Carried.

5.3 Regional Integrated Community Sustainability Plan

A. Parent advises that new funding applications are being accepted on December 1, 2011 for the Federation of Municipalities (FCM) Green Municipal Fund. The Green Municipal Fund is to be utilized for capital projects in the energy, transportation, waste and water sectors, as well as for plans, feasibility studies and field tests.

A. Parent states that the application to the Trillium Fund for Integrated Community Sustainability Plan funding will commence soon as the deadline is either November 1, 2011 or March 1, 2012. She notes that she will liaise with ERCA on this initiative as the application for funding will be through ERCA's Trillium Account. She will provide a report back at the November 3, 2011 meeting regarding the cost of the feasibility study, and what funding is to be expected.

5.4 Speaker Series – Future Meeting Date with Elizabeth May, Leader, Green Party

A. Parent to contact the office of Elizabeth May to determine a future meeting date.

6. COORDINATOR'S REPORT

6.1 WECEC Coordinator Monthly Report

A. Parent distributes the WECEC Coordinator Monthly Report – September, 2011, attached as Appendix "A".

7. SUBCOMMITTEE REPORTS

7.1 Air

Moved by D. Clevett, seconded by M. Bartlett,
That the verbal report by D. Coronado relating to the Air Subcommittee **BE RECEIVED.**

Carried.

7.2 Transportation

D. Clevett provides information relating to a Bi-National high speed rail plan. This plan may include high speed rail from Montreal to Windsor/Detroit and from Chicago to Minnesota.

Moved by P. Henshaw, seconded by Councillor Halberstadt,
That D. Clevett **BE APPOINTED** Chair of the Transportation Subcommittee.

Carried.

7.3 Provincially Significant Wetlands

A letter from the McCormick Rankin Corporation dated September 9, 2011 regarding the "Lauzon Parkway Improvements Environmental Assessment" is distributed and attached as Appendix "B". A. Parent indicates that a public meeting was held regarding the Lauzon Parkway project and the subcommittee concerns were submitted along with what is to be included in the Environmental Assessment.

Councillor Hatfield asked the following question at the City Council meeting held August 9, 2010:

CQ77-2010 *"Asks what we are doing to rescue or salvage some of the trees that may be lost to the DRIC project and re-establishing them elsewhere within the City of Windsor."*

In reference to the foregoing CQ77-2010, P. Roberts suggests that the contractor of the Parkway Project be requested to replace the trees that are lost with Kentucky Coffee trees.

P. Roberts advises that PSW's will be lost in the Windsor Essex Parkway Project. He suggests that a letter containing pertinent questions be drafted to invite Trevor McFadyen, Windsor Essex Parkway Mobility Group to attend a future meeting of the PSW sub-committee.

The report of Tiffany Pocock, Acting Project Administrator dated September 16, 2011 entitled "Windsor International Airport – Master Plan 2010" that makes reference to "respecting the existing three heritage wood lots" is attached as Appendix "C" for information purposes.

D. Clevett leaves the meeting at 6:32 o'clock p.m.

8. NEW BUSINESS

8.1 Family Aquatics & Library Complex

Moved by Councillor Halberstadt, seconded by K. Fallon,

That the Executive Director Parks and Facilities **BE INVITED** to attend the November 3, 2011 meeting of WECEC to discuss the "green" aspects of the Family Aquatics and Library Complex.

Carried.

8.2 Windsor Environmental Attitude Survey

A. Parent indicates that a telephone poll is currently being conducted by a consultant to determine public opinion of the City of Windsor's environment. She advises upon completion of the survey, a report will be provided.

8.3 Detroit Incinerator

Windsor City Council at its meeting held September 6, 2011 Noted & Filed a letter from the State of Michigan, Department of Environment Quality regarding the following:

Renewable Operating Permit for Detroit Renewable Power, LLC approval regarding M147-2010 – "That the City of Windsor SUPPORTS the attached objection of the Citizens Environmental Alliance of Southwestern Ontario, to The Renewable Operating Permit for the Greater Detroit Resource Recovery Facility, SRN M4148, Wayne County; also known as the Detroit Incinerator."

D. Coronado advises there is no public comment period on the EPA approval. He notes that the City of Detroit does not have a city-wide recycling program.

9. COMMUNICATIONS

9.1. Comments on the WECEC Recommendation to Committee – Report No. 57

Councillor Halberstadt suggests that a meeting be convened with the City Engineer and the Executive Director Parks and Facilities to discuss the linkage project for the three airport woodlots with the identified 120 meter buffer.

9.2. Windsor Star Article

The Windsor Star article dated September 27, 2011 entitled "Canada a breath of fresh air: Who – High ranking on smog scale" is received for information.

Discussion ensues regarding the appointment of an alternate member for ERCA.

Moved by Councillor Halberstadt, seconded by R. Coronado,

That the Essex Regional Conservation Authority **BE REQUESTED** to appoint an alternate member to attend meetings of the Windsor Essex County Environment Committee when Matthew Child is unable to attend.

Carried.

10. DATE OF NEXT MEETING

The next meeting will be held on Thursday, November 3, 2011 at 5:30 o'clock p.m. in the YQG Windsor Airport Board Room.

11. ADJOURNMENT

There being no further business, the meeting is adjourned at 7:10 o'clock p.m.

CO-CHAIR

(A) COMMITTEE COORDINATOR



– SEPTEMBER, 2011 –

ONGOING INITIATIVES

1. Provincially Significant Wetlands Subcommittee

Further to a public meeting regarding the Lauzon Parkway project, the subcommittee submitted their concerns with the project as well as stated what they would like to see included in the Environmental Assessment of the project. These comments were answered by McCormick Rankin Corporation who is involved in the Lauzon Parkway Project. This response will be considered at the next PSW sub-committee meeting along with any follow-up required.

I was able to establish contact with the Windsor office of the Windsor Essex Mobility Group, responsible for the Windsor Essex Parkway. In order to coordinate a meeting with them, the subcommittee must first submit their questions and concerns about the project. Hopefully once this is done, we will be able to set up a meeting with representatives from the Mobility Group. The subcommittee has begun to work on this letter.

The script for the Black Oak video has been submitted to the subcommittee for review. This script will be looked at and discussed during the next subcommittee meeting. Once satisfied with the script, the subcommittee will send the script back to Axxess Design for the completion of the video.

2. Regional Integrated Community Sustainability Plan

The application to the Trillium Fund for Integrated Community Sustainability Plan funding will be started shortly. The deadline for the application is either November 1st or March 1st. The WECEC coordinator will work closely with ERCA on this initiative as we will apply for funding using ERCA's Trillium account.

The Green Municipal Fund will also be explored as a possible funding opportunity. The deadline for this application is December 1st.

3. Speaker Series – Elizabeth May

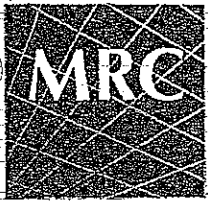
Contact has been established with an assistant to Elizabeth May at her Ottawa office. Preferred dates and logistics for a Windsor speaking event are in the process of being organized. It has been requested that Elizabeth's travel expenses be reimbursed by the Committee.

IMPORTANT UPDATES AND INFORMATION

1. Point Pelee National Park Restoration Plan

An extensive plan for restoring the Carolinian Habitat mosaic of Point Pelee National Park is underway. Parks Canada recently asked for public comments on the proposed Plan from September 22nd to October 7th. The restoration project will include an Integrated Vegetation Management Plan, a Fire Management Plan as well as the Lake Erie Sand Spit Savannah Restoration Strategy.

More information can be found on the website, www.parksCanada.gc.ca/pelee. If you would like to view any of the documents please email Averil and she will forward them to you.



September 9, 2011

CITY OF WINDSOR
COUNCIL SERVICES

SEP 15 2011

Phil Roberts
WECEC Provincially Significant Wetlands subcommittee
Council Services Department
350 City Hall Square West, Room 203
Windsor, Ontario N9A 6S1

RECEIVED

**RE: Lauzon Parkway Improvements Environmental Assessment
(Including Lauzon Parkway / County Road 42 /
Future East/West Arterial / Sandwich South Secondary Plan Study)
Public Information Centre #1
Our File: W.O. 3211012**

Dear Mr. Roberts:

Thank you for your comments.

The Project Team is aware of the Natural Heritage designation of the "St. Louis Woodlot" as well as the adjacent Provincially Significant Wetlands that are known to have similar vegetation communities and characteristics. We are also aware, through discussion with Essex Region Conservation Authority (ERCA), that if the "St. Louis Woodlot" were to be evaluated, it is possible that it may also be classified as a Provincially Significant Wetland.

With respect to your comment about providing a '120 m buffer zone around the area'; the 120 m is identified in the Provincial Policy Statement (PPS) as an "Adjacent Lands" zone within which development activities, subject to the Ontario Planning Act, might have an effect on natural heritage features, and which therefore triggers an Environmental Impact Study (EIS) or equivalent review. The 120 m is not therefore a buffer, but rather a trigger for further study. It should be noted that the Lauzon Parkway Improvements Environmental Assessment is being undertaken under the Ontario Environmental Assessment Act and given that the parkway already exists adjacent to the woodlot, the planning and assessment process differs from development activities under the Ontario Planning Act. The approach we are taking, as outlined above, will meet the requirements of the Ontario Environmental Assessment Act, and will also be consistent with how linear facilities (i.e. roads) are addressed in the PPS.

Based on the field work undertaken by the Project Team in 2011 and the previous inventory work undertaken by ERCA, the team recognizes the ecological significance of the "St. Louis Woodlot" as well as its importance in the context of the broader natural heritage system. As part of the Lauzon Parkway improvements, the Project Team will consider the potential impacts to the surrounding natural environment. Every effort will be made to avoid impacts. Mitigation measures for identified impacts and opportunities for enhancement will be recommended as part of this study.

Global Transportation Engineering

2655 North Sheridan Way, Suite 300, Mississauga, Ontario, Canada L5K 2P8
t: 905.823.8500 | f: 905.823.8503 | e: mrc@mrc.ca | www.mrc.ca

A member of  MMM GROUP

McCORMICK
RANKIN
CORPORATION

APPENDIX "B"



September 9, 2011

Page 2

Habitat connectivity and the creation/enhancement of linkages (both ecological and recreational) within the planning area are key aspects of the Sandwich South Secondary Plan Study. The existing natural heritage features and the drainage system, in particular the Little River corridor, provide good opportunities for building habitat connectivity and enhancing ecological linkages within the Sandwich South area. Connectivity and linkages to areas beyond the Secondary Plan area are also being considered. While these areas are outside the current planning boundary, the Project Team recognizes the importance of: understanding the broader landscape context; and identifying existing linkages as well as potential future opportunities for linkages beyond the boundary of the South Sandwich Secondary Plan area (e.g., to the Chrysler Greenway). When considering linkages beyond the South Sandwich Secondary Plan area, the focus will be on identifying these opportunities at a conceptual level or ensuring that the internal linkage/system is developed so as not to preclude existing or future connections beyond the planning area.

With the exception of personal information all comments will become part of the public record.

You will be notified of the second Public Information Centre which is tentatively scheduled to be held in the Fall of 2011. Should you have any further questions, comments or suggestions, please do not hesitate to contact the undersigned. McCormick Rankin Corporation has created a study website (www.lauzonparkwave.ca). The website includes study information and is updated as information becomes available.

Yours very truly,
McCormick Rankin Corporation

A handwritten signature in black ink, appearing to read 'M. Chiu', is positioned below the typed name.

Michael Chiu, P.Eng.
Consultant Project Manager

cc: R. Shreewastav, MTO
J. Mustac, County of Essex
J. Eugeni, City of Windsor

THE CORPORATION OF THE CITY OF WINDSOR
Economic Development Standing Committee - Administrative Report

**MISSION STATEMENT:**

"The City of Windsor, with the involvement of its citizens, will deliver effective and responsive municipal services, and will mobilize innovative community partnerships"

LiveLink REPORT #: 15462	Report Date: September 16, 2011 (PW#3153/lp-09/15/11:ebr)
Author's Name: Tiffany Pocock	Date to Standing Committee: October 5, 2011
Author's Phone: 519 255-6100 ext. 6506	Classification #:
Author's E-mail: tpocock@city.windsor.on.ca	

To: Economic Development Standing Committee

Subject: Windsor International Airport – Master Plan 2010

1. RECOMMENDATION: City Wide: Ward(s): _____

- a) THAT City Council **APPROVE** the Windsor International Airport – Master Plan 2010;
- b) THAT City Council **ENDORSE IN PRINCIPLE** the recommendations outlined in Windsor International Airport – Master Plan 2010, as listed in Appendix B.

EXECUTIVE SUMMARY:

2. BACKGROUND:

In 2008, after the establishment of Your Quick Gateway (Windsor) Inc. ('YQG'), the City committed to develop a master plan for the airport lands to provide a vision for the future development of the vacant lands both for air traffic and land development.

Dillon Consulting was retained in late 2009 to compose a master plan for the Windsor International Airport that incorporated the ideas of all stakeholders including, but not limited to, the City, regional development agencies, YQG, airport tenants, local businesses and residents, surrounding property owners and environmental interest groups.

3. DISCUSSION:

Attached as Schedule 1 is the 20-year Windsor International Airport Master Plan dated December 2010 which was endorsed by the Windsor Airport Steering Committee on March 29, 2011. For ease of reference, the Executive summary of the Master Plan is attached as Appendix B. The recommended master plan puts forth a balance framework for the future growth of the airport and its lands for employment and general aviation opportunities as well as respecting the existing three heritage wood lots shown in Appendix A (Figure 7-1 of the Master Plan). The lands have been divided into three main categories for development: aviation related activities, employment lands, and open space.

For aviation development, the land at the apex of the two runways is to be reserved for a future Airport Terminal Building (ATB) and its required aprons and taxiways. Also, included within this category is any land adjacent to the existing and future runways and taxiways is to be dedicated for the future aviation industries such as aviation MROs (Maintenance Repair and Overhaul), cargo logistics and private hangars.

Approximately 125 hectares of land is to be dedicated for open space which encompasses the three heritage wood lots located on the southeast corner of the airport property.

The remainder of the lands are to be dedicated as employment lands. Because the airport lands are ideally situated with access to rail and provincial highways, this dedication allows for the constantly changing opportunities that might be presented for emerging industries in the future. Additional studies will be required as development opportunities are presented. The master plan outlines the requirements and estimated costs to proceed forward in developing the airport land. Examples of these requirements are traffic studies, secondary plans, etc.

Also, summarized in the master plan report is a review of aircraft and passenger movement which utilize the airport infrastructure and facilities (both historical movement and future projected movement). This information will assist in determining the expansion needs of the current terminal or the construction of a new terminal as well as rehabilitation and construction of new aprons and taxiways. These investments will be required to meet customer demand and service to the traveling public as well as provide development opportunities to airlines and aircraft operators.

Upon approval of the master plan, Administration will proceed with the registration of zoning for the Windsor International Airport with Public Works Canada to protect the air space outside of airport lands that are used for the approaches to runways. Funding has been previously allocated for the zoning process and therefore, there will be no impact to the City's finances.

4. FINANCIAL MATTERS:

CR 349/2008 approved an expenditure of \$150,000 to be earmarked for the Airport Land Use Master Plan which included engaging the services of a qualified consultant. The funds were approved under Windsor Airport Services Improvement project (#7059011). In 2009, Dillon Consulting with their subcontractor, LPS Aviation Inc was contracted to develop the Master Plan for the Windsor International Airport. The project is within its budgeted amount.

The intention of this report is to seek approval and endorse in principle the recommendations outlined in the Windsor International Airport – Master Plan 2010. If any additional funding is required in the future, Administration will come forward to Council for consideration.

5. CONSULTATIONS:

The consultant was required to organize and facilitate sessions and meetings with stakeholders to identify needs, issues, priorities and possible initiatives; to inform and provide input into the Report's analysis, evaluations and recommendations. A Project Steering Committee and Technical Working Group comprised of stakeholders were established to provide input and direction on the Master Plan. Further, a public information session was held at Windsor International Airport on Monday May 30, 2011 ('PIC'). Stakeholders were invited to participate in the PIC including Councillors, municipal and airport staff, YQG Board members, airport tenants, ERCA, utility companies, NAV Canada, Transport Canada and the general public.

A summary of the community consultation process is outlined in Appendix F of the Final Report and Recommendations (attached as Schedule 1 to this report). Dillon Consulting and LPS conducted wide-ranging consultations by way of telephone interviews, personal interviews and finishing with a public meeting. Overall 35 stakeholders participated in the study by attending the public meeting and/or providing input to the consultant in some form.

6. CONCLUSION:

The Windsor International Airport Master Plan Report provides the data, related information and framework to assist in future development of the airport and the surrounding lands. As a working document, the Master Plan should be reviewed on an annual basis and updated to reflect changing market conditions and new development opportunities as they arise. The Windsor International Airport Master Plan Report will become an important resource to assist in the long term planning, development and capital budgeting of airport infrastructure and the surrounding airport lands over the next 20 years.

Tiffany Pocock
Project Administrator

Thom Hunt
City Planner / Executive Director

Mario Sonogo
City Engineer and Corporate Leader
Environmental Protection and
Transportation

Federica Nazzani
President and CEO, YQG

George Wilkki
City Solicitor and Corporate Leader
Economic Development & Public Safety

TP/lp

APPENDICES:

Appendix A – Figure 7-1 – Recommended Land Use Plan

**Appendix B – Executive Summary of Master Plan 2010 – Windsor International Airport
Schedule 1 – Master Plan 2010 – Windsor International Airport enclosed for Mayor and
Council only. Due to size this document is available on City website.**

DEPARTMENTS/OTHERS CONSULTED:

Name: Poorvangi Raval, Financial Planning Administrator

Phone #: 519 255-6100 ext. 6343

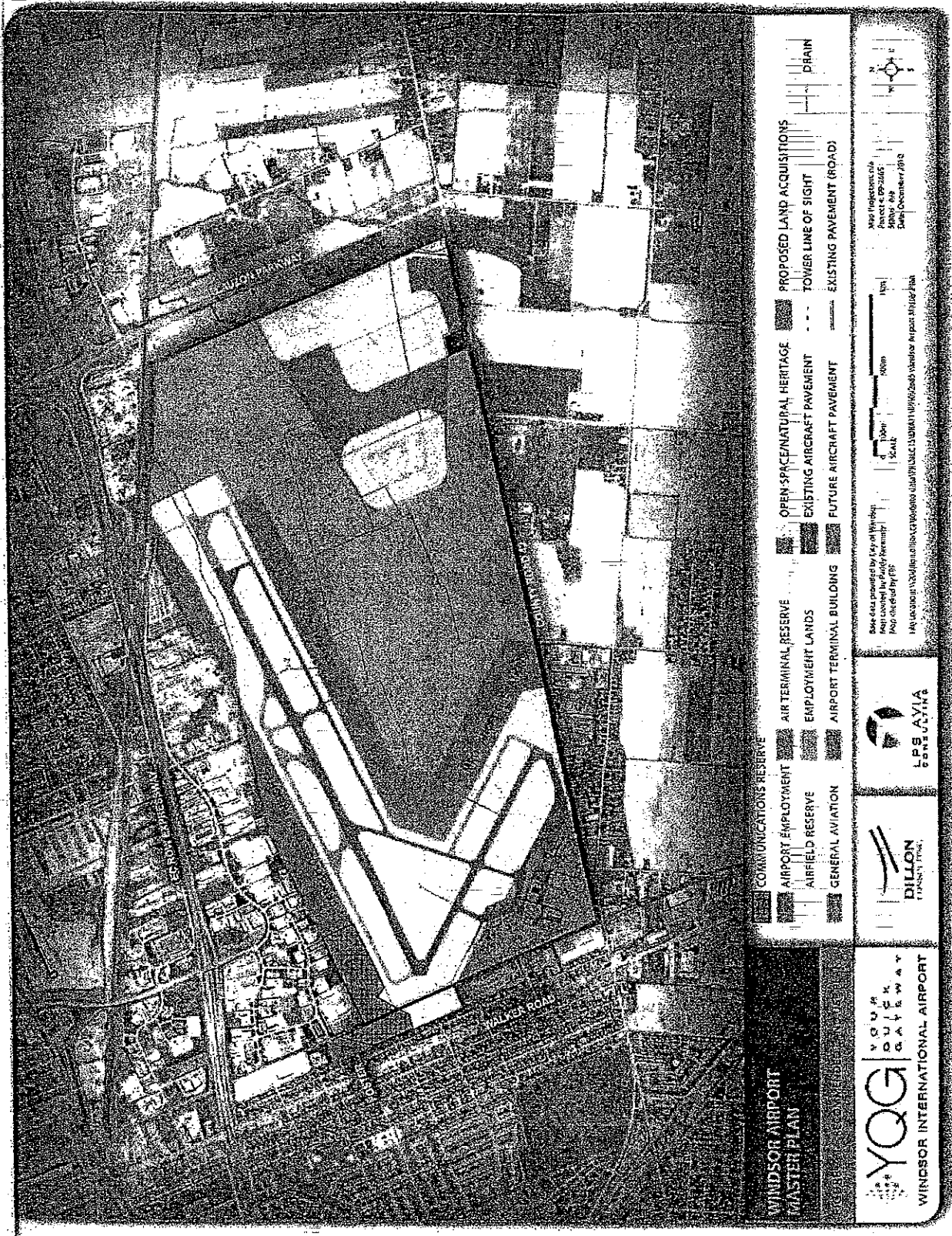
Name: Victor Ferranti, Manager of Capital Budget and Reserves

Phone #: 519 255-6100 ext. 1732

NOTIFICATION :

Name	Address	Email Address	Telephone	FAX
Flavio Forest, Dillon Consulting		fforest@dillon.ca	519-948-5000	

Figure 7-1 – Recommended Land Use Plan



MASTER PLAN 2010 – WINDSOR INTERNATIONAL AIRPORT

Executive Summary

1. The Windsor International Airport is owned by the City of Windsor and operated by Your Quick Gateway (Windsor) Inc. (YQG), a wholly owned Federal share corporation of the City of Windsor under a long-term management agreement.
2. The Windsor International Airport Master Plan is the overall planning document that will guide the development of the Airport and assist the City and private sector in making land use decisions involving surrounding lands.
3. The Master Plan provides an in-depth profile of the physical conditions and capacities of the Airport's facilities and infrastructure and determines requirements to meet future needs and development potential, while recognizing the financial implications of improvements.
4. The goal of the Master Plan is to stimulate cost effective development on the Windsor International Airport lands through the short (2010-2015), medium (2016-2020) and long-term (2021-2031) planning horizons.
5. The Master Plan builds on the vision of YQG and the City to also facilitate long range planning and development on the surrounding lands that support and reinforce the City's investment in Windsor International Airport.
6. Windsor International Airport has the potential to be a driver of economic activity and support businesses and industries that rely on air transportation.
7. In order to attract increased economic activity to the Airport lands, additional capacity needs to be provided in terms of land available for development with appropriate access and municipal services.
8. The Master Plan addresses these issues and aims to identify lands required for airport related commercial development as well as identify areas for non-airport related employment uses on lands deemed surplus to the projected long-term needs of the Airport.
9. The Windsor International Airport property is approximately 813 hectares in size and is located within the Sandwich South Planning District in the City of Windsor, approximately 8 km south of the Windsor Downtown area.
10. The Airport is part of the Windsor-Essex Region, composed of the City of Windsor and the County of Essex. The Windsor-Essex Region has a strategic gateway location on the Canada/U.S. border. Its proximity to the Metro Detroit area and the location of important transportation infrastructure has allowed Windsor-Essex to be a central focus for NAFTA trans-border business activity.
11. The Windsor-Detroit gateway is the busiest commercial land-border crossing in North America – with approximately 3.5 million trucks crossing each year.
12. From a strategic market perspective, the Windsor-Essex Region is centrally located within an 8-hour drive from almost half of the North American population. Detroit's market accounts for an additional 4.5 million people within 65 kilometres of the Airport and about 25 million people can be reached within 400 kilometres.
13. Windsor's strategic gateway location creates opportunities for cross-border, multi-modal business between Detroit/Windsor, the Windsor International Airport and the Sandwich South Planning District. The City of Windsor is a focal point for traffic flows into Canada from the Detroit/Chicago corridor. Windsor is part of the Continental Gateway Initiative, which focuses on developing a sustainable, secure and efficient multi-modal transportation system, including roads, rail, ports, airports, inter-modal facilities and border crossings.

14. The Sandwich South Planning District, which includes the Windsor International Airport, has the potential to become Ontario's primary western business gateway and a major multi-modal hub and logistics cluster for products entering and leaving Canada to the United States. The multi-modal hub links the Airport to Highway 401 and the Lauzon Parkway extension, the Ambassador Bridge, the 3rd International Crossing and Windsor-Essex Parkway, the Detroit-Windsor Tunnel, the Detroit-Windsor Truck Ferry, the Windsor Port, CP Rail and Canadian National Railway.
15. The portion of the Windsor International Airport lands being used for the operating airport are designated "Airport" in the City of Windsor Official Plan.
16. Over 250 hectares of lands on the Airport property located to the east of the operating airport are designated "Future Employment Area" in the Official Plan. These lands are being planned by the City to accommodate non-airport related employment and business park uses in support of the gateway and multi-modal hub concept.
17. Windsor International Airport currently includes an air terminal building, two runways, seven taxiways and two public aprons as well as air navigation facilities, aviation service facilities and other airport support uses. The core development area is located in the southwest quadrant of the Airport property.
18. The existing runways, taxiways and aprons require regular maintenance and periodic resurfacing.
19. The City of Windsor recently invested \$1.2 million in infrastructure improvements to the air terminal building. The objective of the project was to improve circulation, provide additional aircraft gates, and expand the capacity of the passenger departure lounge. The interior of the air terminal building was renovated to reflect a modern, up-to-date interior design. The grounds were landscaped in the spring of 2008 to create a strong first impression and recognize the Airport's commitment to protecting the environment.
20. A passenger capacity assessment of the existing air terminal building indicated that space is limited in the international arrivals and baggage hall which affects international processing standards. The terminal building has the capacity to process one international passenger flight at a time within the arrivals hall. This lack of space creates congestion for international flights. The check-in area and concourse are also comparatively undersized, and cannot accommodate multiple departing flights, causing passengers to queue in the concessions and vending area.
21. Regarding air cargo, the Windsor International Airport currently does not provide dedicated cargo services. Any cargo arriving or departing the Airport is handled either on the ramp or through a private/charter flight company on an ad-hoc basis. The Airport has a temporary hangar with a loading dock to accommodate low volumes of cargo.
22. Regarding future business, Windsor International Airport is exploring multiple opportunities for the Airport lands, including an inter-modal cargo transfer facility called a "Cargo Village" and a maintenance/repair/operations facility (MRO) for aircraft. The Cargo Village project includes a cargo transfer facility, forwarding, customs brokers, distributors, warehouses and trucking activities. It is intended that additional non-airport related businesses will develop in the adjacent business park and on surrounding lands in the South Sandwich Planning District.
23. The Cargo Village and MRO projects have far reaching implications for the City of Windsor by helping to "kick start" the development of the multi-modal hub and create new attendant employment opportunities for residents of Windsor-Essex. The Cargo Village's indirect economic benefits include an increase in passenger traffic activity and additional revenue for the Airport.
24. Developing passenger forecasts for Windsor International Airport is difficult because passenger choice of airport is highly sensitive to fare differentials. It is especially significant that travel to high volume Canadian destinations has often been considerably cheaper from Detroit than from Windsor. Services to Canada from

Detroit are often more direct than from Windsor and competition is stronger. These factors make the traffic volumes of any airport in a multi-airport region such as Windsor-Detroit problematic. Traffic depends primarily on the scheduling and pricing decisions of the airlines. It is difficult to quantify latent traffic and actual airport traffic volumes severely underestimate the market size. Therefore a passenger traffic market study is required to determine the true size of the Windsor-Essex market for the Windsor International Airport. There are no satisfactory statistics available to estimate this market in the absence of this type of study.

25. The Master Plan made the following recommendations regarding improvements and major upgrades to airport facilities:

Airfield System

Runways

- Land be reserved for extension of Runway 07-25 to 3,048m (10,000 ft.) in the event of regular use by B747-400 cargo aircraft and these aircraft have a requirement to carry higher loads over longer distances than may be undertaken with the current runway length.
- It is recommended that the Airport continue regular maintenance of runway facilities, particularly Runway 12-30.

Taxiways

- Land be reserved to allow future extension of Taxi 'H' to serve an extension of Runway 07-25 and to provide access to airside commercial land.
- Taxiway be constructed north of Runway 07-25 to provide access to the planned employment lands.
- Taxiway be developed on the east side and parallel to Runway 12-30 to provide access to the new south employment areas. This taxiway will also provide access for heavy aircraft to/from these employment lands to Runway 07-25.

Aprons

- Apron I be expanded in the vicinity of Taxi 'G' in the event parking is required on a regular basis for B747-400 cargo aircraft. This will protect the precision approach zoning surface supporting Runway 12-30.
- Land be reserved for westerly expansion of Apron III in the event passenger growth beyond the traffic forecasts is achieved.
- Land reserve be established in the infield adjacent to Taxi 'H' for ultimate development of a new apron and associated air terminal complex.

Capacity

- Due to the current and expected aircraft movement volumes at the Windsor International Airport, the current airside capacity is expected to meet the needs of the Airport for the planning horizon.
- Additional runways will not be required within the planning horizon as current capacity is adequate. The addition of taxiways paralleling Runways 07-25 and 12-30 will further increase the maximum throughput capacity of the runway system.

Air Navigation Facilities

Air Traffic Control Tower

- Land reserve be established in the infield near the intersection of Runways 07-25 and 12-30 for construction of a new control tower should this be required due to development of higher buildings and structures in certain portions of the infield.

Air Terminal Building

Current Air Terminal Capacity

- Estimated that departing passengers in the air terminal are currently experiencing LOS 'B' Level (Conditions of stable flow; high level of comfort); there is adequate space for travelers in pre-boarding security and departure lounge areas.

Operational Deficiencies

- Passengers arriving on international flights are currently experiencing a LOS 'E' or lower during peak periods as the arrival and baggage hall is smaller than the recommended size, suggesting that unstable flow and capacity limiting conditions are present.
- Air terminal building requires a larger capacity for international and trans-border passengers arriving at Windsor International Airport.
- Immediate expansion program be undertaken to provide additional space for passenger check-in queuing, international and trans-border arrivals, related amenities and concessions.
- Current building configuration is not considered optimal as some functions meet or exceed space requirements.
- To achieve a better level of service, the air terminal building be modestly expanded from its current size of 4,716m² to 5,250m² along with some minor reconfigurations to optimize functional space assignment.

Short-Term Requirements (2010 – 2015)

- Air terminal building ground floor area be expanded to a minimum of 5,800m² to serve the projected growth in peak passenger volumes in the short-term (to 2015). Some reconfiguration is also required to achieve an acceptable level of service.
- Areas requiring expansion include Check-in, Passenger Screening, Departures Holdroom, Domestic Arrivals and International Arrivals.
- Given the age of the air terminal building (opened in 1958), an engineering study of the complete building be undertaken to confirm the need, identify costs and develop the optimum strategy for making the required improvements.

Medium-Term (2020) and Long-Term (2030) Requirements

- There is adequate space for significant air terminal expansion in both westerly and southerly directions as existing roads and parking can be realigned.
- Medium-Term and Long-Term expansion follow a westerly axis paralleling the current and future Apron III layout and that expansion proceed southerly towards the groundside to increase the overall width of the air terminal building.

Access Roads and Parking

- The Lauzon Parkway Improvements Environmental Assessment study will confirm the preferred solutions for roadway improvements including the suitability of site access locations to the Airport lands.
- Complete traffic impact studies to confirm external roadway improvement measures to accommodate development.
- Parking study be undertaken immediately to determine current and future demand characteristics and requirements at the Airport.
- Additional lands be reserved in the general vicinity of the air terminal building to accommodate long-term parking growth.

Utilities and Services

Water Supply

- Assessment of the Airport's existing on-site water distribution system be carried out to identify opportunities to modify/expand the existing system.

Stormwater Drainage

- Environmental studies of the woodlot and provincially significant wetlands be updated and compiled in a more comprehensive biological inventory for flora, fauna and aquatic species.
- Comprehensive functional stormwater management study be completed to identify an appropriate strategy for implementing the necessary runoff control and mitigating measures for the development of these lands, including the phased implementation of the stormwater management facilities.

Electrical and Communications

Field Electrical Centre

- Engineering study be undertaken in the short-term to assess the existing systems, equipment and components in the field electrical centre to determine the life expectancy of the facility.

Aircraft Services

Fuel Facilities

- Develop a bulk fuel storage facility on a lot in the employment lands located at the west end of Phelps Drive to permit both airside and/or groundside access for fuel tankers with minimal disruption to Airport operations.

De-icing Facilities

- Designated de-icing area be established on Apron III as operations increase in the future.

Airport Maintenance

Maintenance and Fire Hall Building

- As airport maintenance requirements increase, that consideration is given to constructing a new maintenance building at an alternate location, including consideration for combining this with emergency response services.

26. The Master Plan provided the following recommendations regarding improvements and major upgrades to general aviation facilities:

Air Cargo

- Develop air cargo facilities in two (2) phases along with a Cargo Village as recommended in Air Cargo Development Study (Lufthansa Consulting).
- Airside-service road be constructed linking Apron III to Apron I, and Apron I to the north employment lands as required to support air cargo facilities development.

Cargo Village

- Develop cargo village in accordance with Air Cargo Development Study (Lufthansa Consulting).

Multi-Modal Port

- Lands be reserved for a multi-modal port with a configuration of roughly 235 ha.

Pre-Clearance Facility

- A pre-clearance facility could be located in or adjacent to the air cargo building. If it also serves truck traffic, it would need to be near in or adjacent to the Cargo Village.
- Sufficient land is also available in the Sandwich South area to accommodate a pre-clearance facility.

Aircraft Maintenance and Support

- Lands be reserved for the development of a maintenance, repair and overhaul facility in the airside employment lands.

Airport Business Park

- Lands be reserved for the development of a business park on the lands deemed surplus to the operating airport.

General Aviation

- Lands be set aside to attract new and expand existing general aviation uses.

Airport Related Commercial

- Lands be reserved within the infield area of the Airport property for major Airport related business and employment uses.
- Development of high structures in certain portions of the infield area may interfere with sight lines from the current air traffic control tower. All proposed infield development projects be subject to review by Airport management and if a sight line issue is identified, relocation of the air traffic control tower to a new infield location may be necessary in order for the development to proceed.

27. The Master Plan recommended a Development Plan to meet the current and future airside, air terminal and groundside requirements of Windsor International Airport. The plan allocates sufficient land to accommodate Airport growth beyond the planning horizon.

28. The Development Plan recommended certain projects along with the trigger points when each project will be required.

Development Plan

Project	Phasing Trigger	ROM Cost	Refer. Sect.
Airport Lands			
Construct partial parallel taxiway north of Runway 07-25.	To provide access to new north employment lands, as demand develops.	\$ 10 million	5.1.2
Construct taxiway on the east side and parallel to Runway 12-30.	To provide access to the new south employment lands and access by heavy aircraft from these lands to Runway 07-25, as demand develops.	\$ 3.5 million	6.1.2
Expand Apron I in the vicinity of Taxi 'G' to accommodate Code E aircraft.	To provide parking for B747-400 cargo aircraft as demand develops and Runway 12-30 requires precision approach zoning protection.	\$ 2 million	5.1.3
Maintain Runways to extend the life of these assets.	Short-term repaving of Runway 12-30 (2016).	\$ 1.5 million	5.1.1
Construct airside service road linking Apron III to Apron I, and Apron I to the north employment lands.	As required to support air cargo facilities developments.	\$210,000	6.2
Expand ATB to approximately 5,250m ² to provide additional space for passenger check-in queuing, international and trans-border arrivals, related amenities, and concessions.	Immediate requirement to serve current peak hour passengers (TPHP) of 157.	\$2.0 million	5.3.3
Expand ATB to 5,800m ² to meet projected growth in passenger traffic in the short-term.	Expansion anticipated in the short-term (5 years) to serve projected peak hour passenger (TPHP) growth to 253.	\$2.5 million	5.3.4
Prepare engineering study of the ATB.	Prepare prior to embarking on ATB improvement programs.	\$50,000	5.3.4
Complete drainage and pavement resurfacing of private groundside and airside roadways serving the Airport operations.	Short-term to medium-term need, subject to roadway conditions.	\$ 1.5 million	5.4.1
Prepare Airport parking study.	Immediate requirement to determine current and future demand characteristics and requirements for parking.	\$35,000	5.4.2
Prepare engineering study of the FEC.	Short-term requirement to assess the existing systems, equipment and components in the FEC and the life expectancy of the facility.	\$15,000	5.6.3
Construct a new maintenance building at another location on site, including consideration for combining this with emergency response services needs.	Medium-term, as maintenance requirements increase.	\$ 2.5 million	5.9.3
Develop a Secondary Plan/Official Plan Amendment to re-designate future employment area to permit employment uses including a Business Park and establish road and servicing network.	Short-term.	By City Planning & Eng. Depts.	6.6

Project	Phasing Trigger	ROM Cost	Refer. Sect.
Develop Phase I air cargo facility.	Immediate investment to foster air cargo development.	\$ TBD	6.3
Develop North Side Employment Lands.	Development of Phase II air cargo facilities, or shortage of general aviation development land.	\$ TBD	6.3
Develop South Side Employment Lands.	Development of large MRO and/or aerospace manufacturing on adjacent employment lands.	\$ TBD	6.8
Develop Cargo Village.	Assemble as critical mass of related businesses develops on Airport lands in vicinity of each other	\$ TBD	6.3
Develop Multi-Modal Port.	Development of Multi-Modal Rail/Truck Facility.	\$ TBD	6.4
Complete a stormwater management (SWM) plan for the Airport lands and implement stormwater management measures.	Immediate need for SWM Plan. Short-term to longer-term implementation of SWM facilities in stages as development proceeds.	\$50,000 \$15.6 million	5.5.3 and 5.10
Protect and maintain environmental sensitive area adjacent the Airport Woodlot.	Immediate to short-term.	N/A	5.5.3 and 5.10
Complete environmental studies to confirm the significance of the natural environment and mitigating measures resulting from development impacts.	Short-term.	\$ TBD	5.5.3 and 5.10
Surrounding Lands			
Complete environmental assessment studies for County Road 42 and Lauzon Parkway.	Immediate.	\$ TBD	2.4.2
Implement the preferred road improvement alternatives arising from the above environmental assessment studies.	Short to medium-term.	\$ TBD	2.4.2
Complete traffic impact studies to confirm external roadway improvement measures to accommodate development.	Progressive studies as development opportunities arise.	\$ TBD	2.4.2
Confirm existing water distribution system capacity and associated improvements in the interim until trunk feeder mains are completed by WUC.	Immediate to short-term. Trunk watermain facilities from Banwell (North of EC Row) to Cabana (East of Howard).	\$ 26.3 million	5.5.1
Complete a sanitary servicing study to confirm the opportunities to expand the drainage area boundary for the trunk sanitary.	Medium-term.	\$ 50,000	5.5.2
Complete improvements to the Little River Pollution Control Plant, as required to meet sewage flow demands from the expanded service area.	Longer-term.	\$ TBD	5.5.2

29. The Recommended Land Use Plan shown on Figure 7.1 of the Master Plan addresses the short, medium and long-term development potential of the Windsor International Airport.

30. The Recommended Land Use Plan:

- Provides sufficient land to meet the long-term requirements of all essential aviation activities at Windsor International Airport;
- Provides flexibility to accommodate targeted airport and non-airport related business investments that support the development of a strategic gateway and multi-modal hub centred on the Windsor International Airport and the Sandwich South employment area;
- Ensures that land is developed for uses that are compatible with the safe and efficient operation of aircraft at the Windsor International Airport;
- Ensures that land is developed in a manner that is compatible with the adjacent Community;
- Guides the development of Windsor International Airport in a logical and orderly manner; and
- Protects the interests of the City as well as the tenants within boundaries of the Windsor International Airport property.