

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF JUNE 27, 2017

Item 2, Report No. 24, of the Committee of the Whole (Working Session), which was adopted without amendment by the Council of the City of Vaughan on June 27, 2017.

2

**HIGHWAY 427 EXPANSION PROJECT UPDATE
THE MINISTRY OF TRANSPORTATION OF ONTARIO
WARDS 1 AND 2 – WEST VAUGHAN EMPLOYMENT AREA**

The Committee of the Whole (Working Session) recommends:

- 1) That the recommendation contained in the following report of the Deputy City Manager, Planning and Growth Management and the Director of Development Engineering and Infrastructure Planning, dated June 6, 2017, be approved; and
- 2) That the presentation by Mr. Dean Kemper, Ministry of Transportation, Sir William Osler, Downsview, and Communication C2, presentation material titled “Highway 427 Expansion”, dated June 6, 2016, be received.

Recommendation

The Deputy City Manager, Planning and Growth Management and the Director of Development Engineering and Infrastructure Planning recommend:

1. THAT the presentation from the Ministry of Transportation on the status of the Highway 427 Expansion project be received.

Contribution to Sustainability

The proposed Highway 427 Expansion contributes to sustainability by addressing the existing inter-regional transportation constraints related to the current Highway 427 terminus and by enhancing goods movement to and from the CPR Vaughan Intermodal facility. In addition, the expansion of Highway 427 to Major Mackenzie Drive together with the full interchanges at Langstaff Road, Rutherford Road and Major Mackenzie Drive will facilitate the planned growth in the City, in particular the West Vaughan Employment area.

Economic Impact

Adoption of this report has no economic impact.

Communication Plan

In March 2017, the Ministry of Transportation (MTO) awarded the Design-Build-Finance-Maintain (DBFM) contract for the Highway 427 Expansion to “LINK 427” Consortium. The Design-Build phase of the project is expected to take place between 2017 and 2022.

City staff was informed by MTO that LINK 427 is currently developing a comprehensive communication plan and a draft of the plan is expected to be available in June 2017. As part of the communication plan, LINK 427 will be establishing a dedicated communication team to coordinate and relay all project-related information to the public and stakeholders. Further details on LINK 427’s communication program and key contact information will be provided as part of MTO’s presentation.

A number of Public Information Centres (PICs) are planned as part of the communication strategy. These information sessions will provide the opportunity for residents and businesses in the area to access current information on the project status and anticipated highway construction

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schedule. The first of these PICs is anticipated to be held in the Q4-2017. In addition, it is expected that LINK 427 will provide project updates to the public and stakeholders via various media outlets (social media, newsletters) and establish a project office in the Highway 7/Highway 27 area.

City staff will work with LINK 427, MTO and York Region to minimize impacts on residents and businesses in the area and keep Council regularly informed of the project's development.

Purpose

This report and associated presentation from MTO staff is intended to provide Council with a status update on the Highway 427 Expansion project in Vaughan.

Background and Current Status

In October 2010, MTO received approval of the Environmental Assessment (EA) for the extension of Highway 427 from its current terminus at Highway 7 to Major Mackenzie Drive. The approved EA recommended a 6.6-kilometre extension and the construction of three new interchanges at Langstaff Road, Rutherford Road and Major Mackenzie Drive West as well as protection for a dedicated transitway along the west side of the extension and three transitway stations. As part of the Highway 427 Expansion project, the interim Regional arterial road extension between Highway 7 and Zenway Boulevard will be assumed by MTO and reconstructed.

In May 2013, the Province made a public commitment to commence construction of the Highway 427 Expansion by 2016/17. Infrastructure Ontario (IO) and MTO are proceeding to implement this commitment as illustrated on Attachment 1.

The final configuration for Highway 427 between Highway 7 and Major Mackenzie Drive extension will be as follows:

- Eight lanes from Highway 7 to Rutherford Road and six lanes from Rutherford Road to Major Mackenzie Drive
- Three new interchanges (Langstaff Road, Rutherford Road and Major Mackenzie Drive)
- New median High Occupancy Toll (HOT) lanes

In addition to the above, a 4-kilometre road widening from Finch Avenue to Highway 7 is included as part of the Highway 427 Expansion project, with the following configuration:

- A 4 kilometre road widening from Finch Avenue to Highway 7
- From six to eight lanes between Finch Avenue to south of Steeles Avenue
- From four to eight lanes from south of Steeles Avenue to Highway 7
- New median HOT lanes

Since September 2014, MTO has been conducting regular monthly liaison meetings with staff from the City of Vaughan and York Region to discuss and coordinate preliminary engineering work for the Highway 427 Expansion and related projects in the study area.

The John Lawrie Street – Highway 427 crossing structures have been included in the Highway 427 Expansion project

Following the completion of the Municipal Class Environmental Assessment for John Lawrie Street between Highway 27 and Huntington Road in 2015, the City requested MTO to include the crossing structures in the Request for Proposals (RFP) for the Highway 427 Expansion DBFM

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undertaking. In March 2016, MTO and IO released the RFP which included the John Lawrie Street – Highway 427 crossing structures. An agreement between the City and MTO with regards to the reimbursement of capital, long-term rehabilitation and maintenance costs of the John Lawrie Street – Highway 427 crossing structures was executed in March 2017.

Accordingly, the John Lawrie Street – Highway 427 crossing structures will be constructed in conjunction with the Highway 427 Expansion project.

In March 2017, Infrastructure Ontario and MTO announced that the Design-Build-Finance-Maintain undertaking for the Highway 427 Expansion project had been awarded to the LINK 427 Consortium

In March 2017, MTO awarded the DBFM contract for the 427 Expansion project to LINK 427 Consortium. LINK 427 is currently developing a detailed project work plan but it is anticipated that the initial focus will be on the detailed design of the Highway in 2017 with construction commencing in 2018.

The realignment of McGillivray Road will be carried out in conjunction with the construction of Highway 427 Expansion under a separate contract

The Highway 427 EA identified that need to realign the existing intersection of McGillivray Road at Rutherford Road to address a spacing conflict with the proposed Rutherford Road/Highway 427 interchange. In March 2016, MTO released a Transportation Environmental Assessment Report (TESR) that identified the preferred realignment of McGillivray Road would be to the east and intersect with Rutherford Road opposite the proposed future Di Poce Way in Block 59 as shown on Attachment 2.

The realignment of McGillivray Road will be carried out in conjunction with the construction of Highway 427 Expansion but under a separate contract. More information on the construction timing and staging will be provided to Vaughan Council once it is available.

Relationship to Term of Council Service Excellence Strategy Map (2014-2018)

In consideration of the strategic priorities related to the Term of Council Service Excellence Strategy Map, the recommendation of this report will assist in:

- Improving municipal road network
- Continuing to develop transit, cycling and pedestrian options to get around the City
- Investing, renewing and managing infrastructure assets
- Attracting investment and creating jobs

Regional implications

As a key stakeholder, York Region has been involved in regular meetings to discuss and coordinate various aspects of the Highway 427 Expansion on municipal infrastructure projects including the widening and reconstruction of Major Mackenzie Drive and the proposed full move interchanges at Langstaff Road, Rutherford Road and Major Mackenzie Drive.

Conclusion

In March 2017, MTO awarded the Design-Build-Finance-Maintain contract for the Highway 427 Expansion project to the LINK 427 Consortium. The design-build phase of the project has commenced. In the coming months, LINK 427 Consortium will be developing a detailed staging and construction schedule for the project. It is anticipated that the construction of the Highway 427 Expansion will begin in late 2017 and extend through to 2021-22.

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The construction of the John Lawrie Street – Highway 427 crossing structures and the realignment of McGillivray Road will be carried out in conjunction with the Highway 427 Expansion project.

City staff will continue to work with LINK 427, MTO and York Region to minimize impacts on residents and businesses in the area, and keep Council regularly informed of the progress of the project.

Attachment

1. MTO Highway 427 Expansion Map
2. McGillivray Road Realignment

Report prepared by:

Mani Shahrokni, Transportation Project Manager, Ext. 8163
Selma Hubjer, Manager, Transportation Planning, Ext. 8674

(A copy of the attachments referred to in the foregoing have been forwarded to each Member of Council and a copy thereof is also on file in the office of the City Clerk.)

HIGHWAY 427 EXPANSION

C <u>2</u>
COMMUNICATION
CW <u>(WS) June 6/17</u>
ITEM - <u>2</u>

COMMITTEE OF THE WHOLE – WORKING SESSION CITY OF VAUGHAN

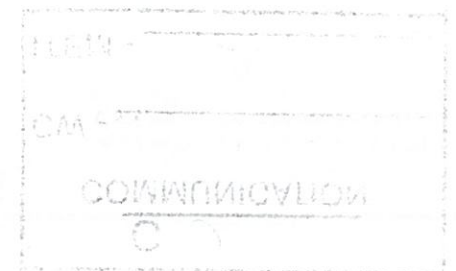
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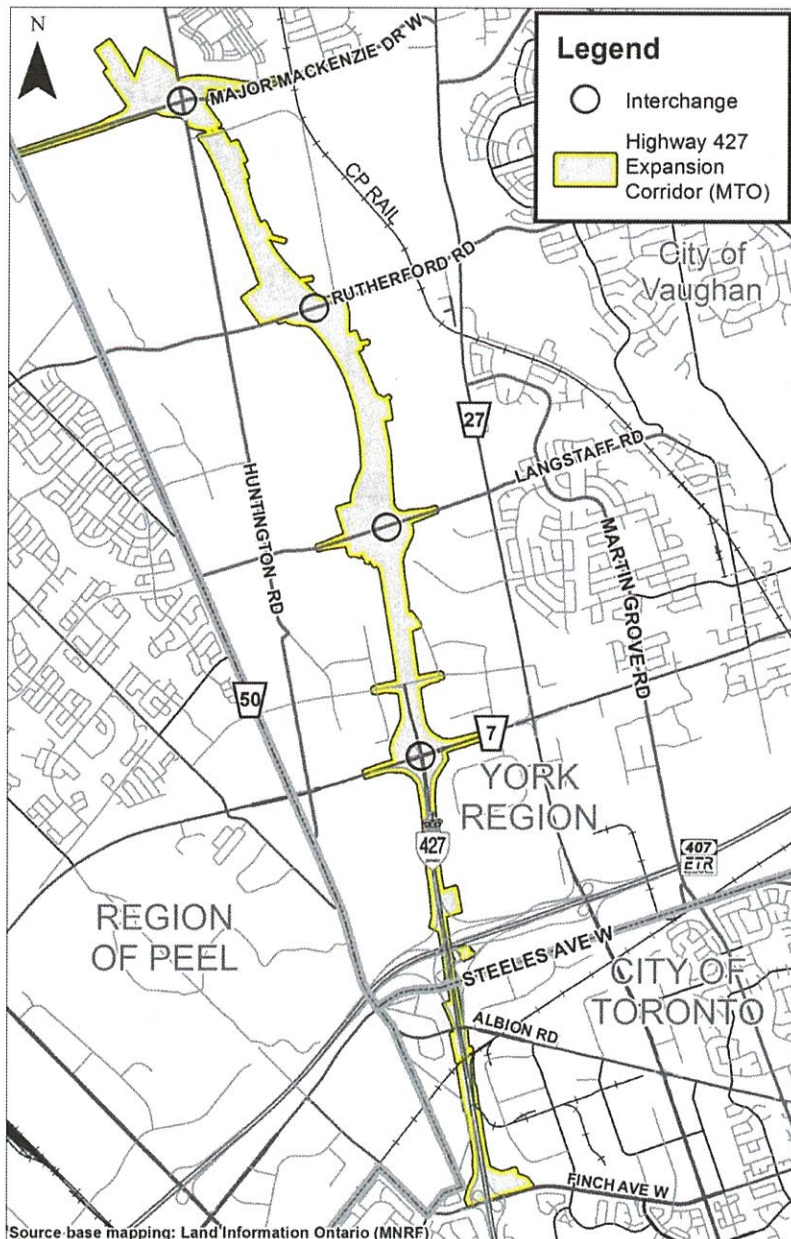
Ministry of Transportation
Central Region – Major Projects Office

PURPOSE

- ❑ Project Overview
- ❑ Activities to Date:
 - ❑ Property Acquisition
 - ❑ Advanced Utility Relocation
 - ❑ Species at Risk
 - ❑ Road Closures
 - ❑ Adjacent MTO Contracts
 - ❑ Other Construction
 - ❑ Managed Lanes (HOT)
- ❑ Current Project Status
 - ❑ IO / MTO / LINK 427 Integration
 - ❑ LINK 427 Organizational Structure
 - ❑ Next Steps
 - ❑ LINK 427 Contact Information



Highway 427 Expansion Project Overview



Highway 427 Expansion includes:

Extension from Highway 7 to Major Mackenzie Drive (6.6 km):

- New 8 lane freeway from Highway 7 to Rutherford Road
- New 6 lane freeway from Rutherford Road to Major Mackenzie Drive
- Interchanges at Langstaff Road, Rutherford Road and Major Mackenzie Drive
- Upgrade to full, all moves interchange at Highway 7
- New median HOV/HOT lanes

Widening from Finch Avenue to Highway 7 (4.0 km):

- Widening from 6 to 8 lanes from Finch Avenue to south of Steeles Avenue
- Widening from 4 to 8 lanes from south of Steeles Avenue to Highway 7
- Rehabilitation and widening of structures at Highway 427 and: Humber River, CNR, Albion Road, Steeles Avenue and Highway 7
- New median HOV/HOT lanes

Other

- Protection for a future transitway & stations along the west side of the freeway
- Full Advance Traffic Management System from Highway 401 to Major Mackenzie Drive

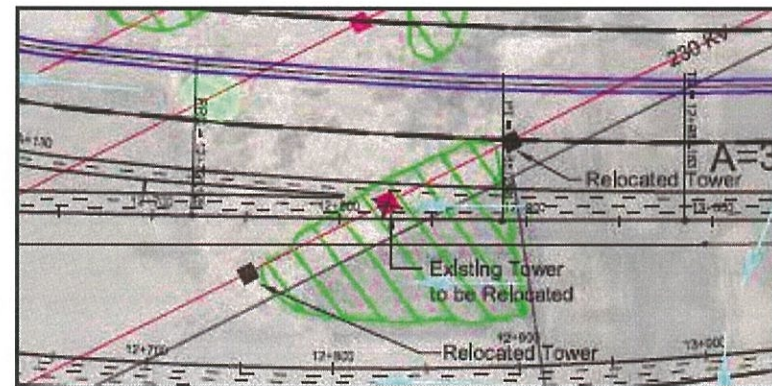
Activities to Date

Property Acquisition

- A total of 94 parcels of land were acquired for the project:
 - 56 properties are either privately or municipally owned;
 - 38 properties are administrative transfers or assumptions.

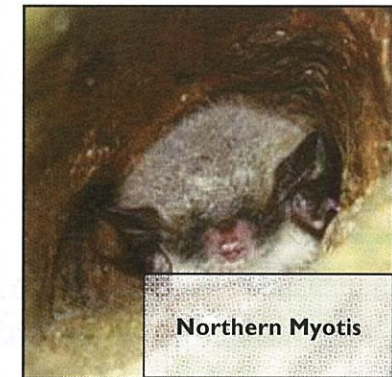
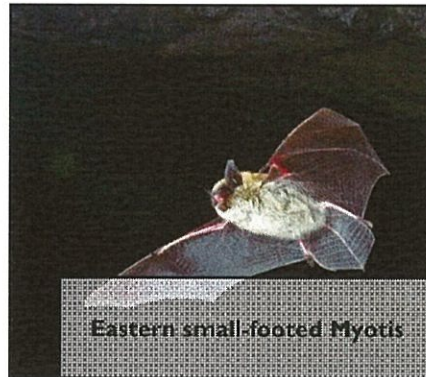
Advance Utility Relocation

- Hydro One Towers North of Langstaff Road
- 1 Hydro tower (230kV) has been removed and replaced with 2 new towers (230kV)

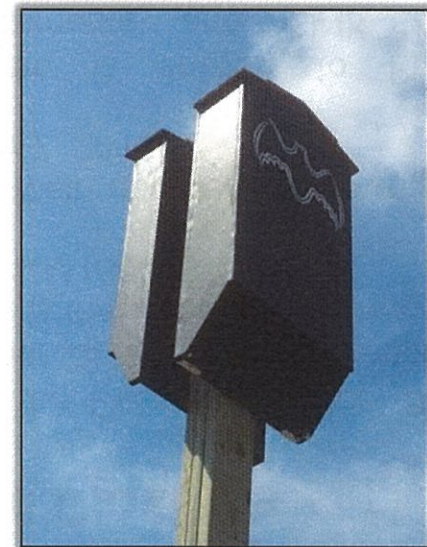
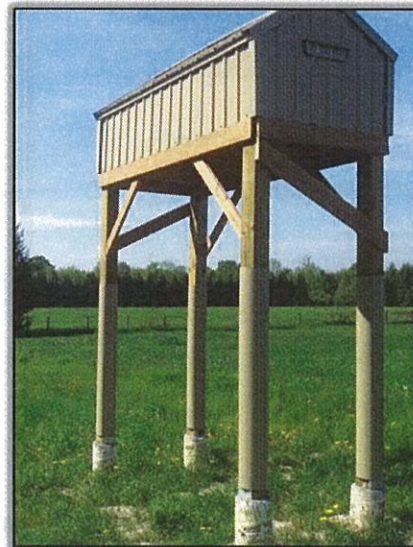


Species at Risk

Five species protected under the Endangered Species Act, 2007 have been confirmed within the Highway 427 Expansion Lands : **Eastern small-footed Myotis**, **Little Brown Bat**, **Northern Myotis**, **Tri-Colored Bat**, and **Barn Swallow**.



Provincially owned lands adjacent to the corridor are being used to achieve overall benefit for species at risk and offset vegetation removals.





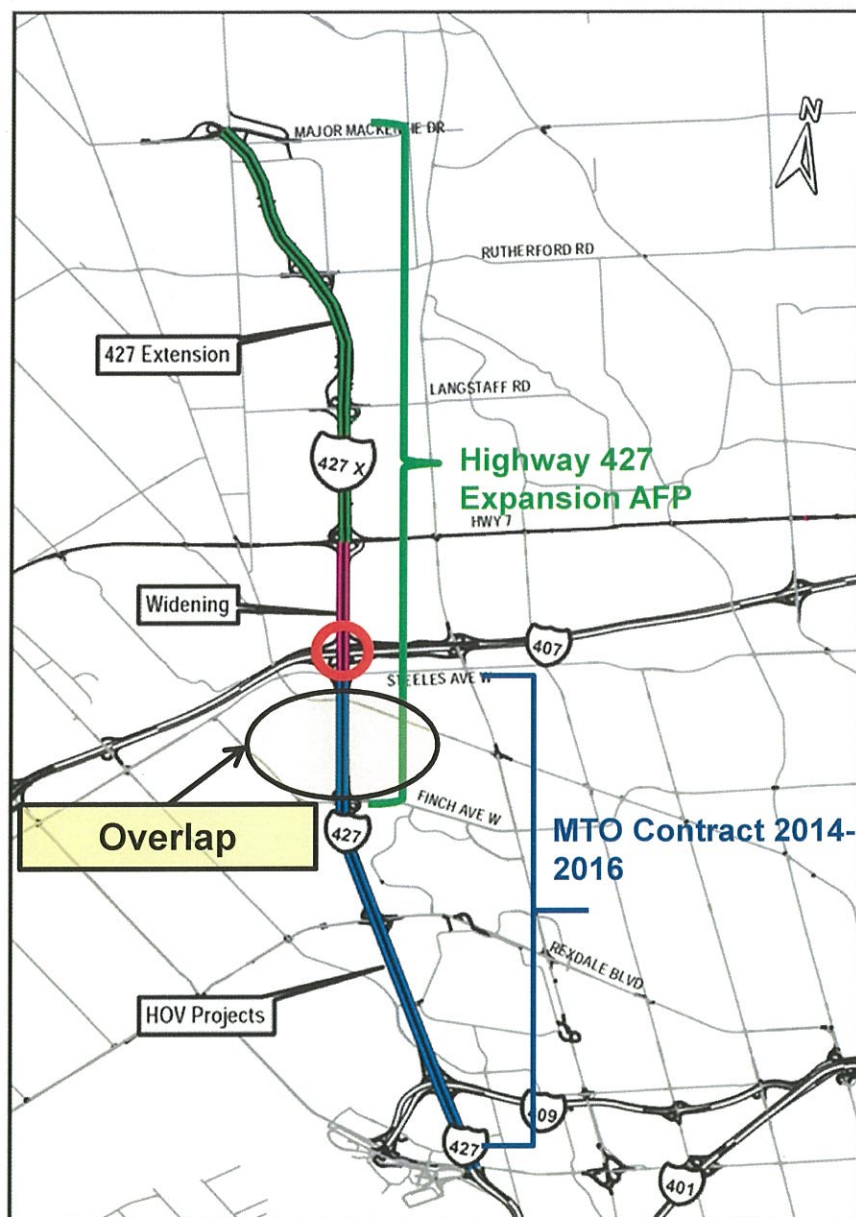
Road Closures

- ❑ MTO appeared at the Ontario Municipal Board (OMB) on September 23, 2016 seeking approval to close various roads that intersect Highway 427 (OMB File Number MM160043).
- ❑ The OMB issued their decision approving the closings on October 7, 2016.
- ❑ Timing of closures is subject to Project Agreement requirements and LINK 427's schedule.

HIGHWAY 427 EXPANSION PROJECT

ROAD CLOSURES

CLOSURE NO.	ROAD NAME	CLOSURE LOCATION	MUNICIPALITY
1 & 2	Regional Road 99	Between Highway 7 and Zenway Blvd	Vaughan
3	McGillivray Road	At North Rutherford Rd.	Vaughan
4 & 5	Old (abandoned) Major Mackenzie Dr.	At East of Huntingdon Rd.	Vaughan
6 & 7	Existing Major Mackenzie Dr.	At East of Huntingdon Rd.	Vaughan
8 & 9	Huntingdon Rd.	At North and South of Existing Major Mackenzie Dr.	Vaughan
10 & 11	Existing Major Mackenzie Dr.	At West of Huntingdon Rd.	Vaughan



Adjacent MTO Contracts

Highway 427 Expansion AFP

- Extension from RR 7 to Major Mackenzie Dr, 6.6 km
- Widening Steeles Ave to RR 7, 2.5 km
- Widening Finch Ave to Steeles Ave, 1.5 km
Note: 6 to 8 lanes

Highway 427 / 407 ETR Structures

ETR Contract C3-2016 - Widen from 4 to 8 lanes

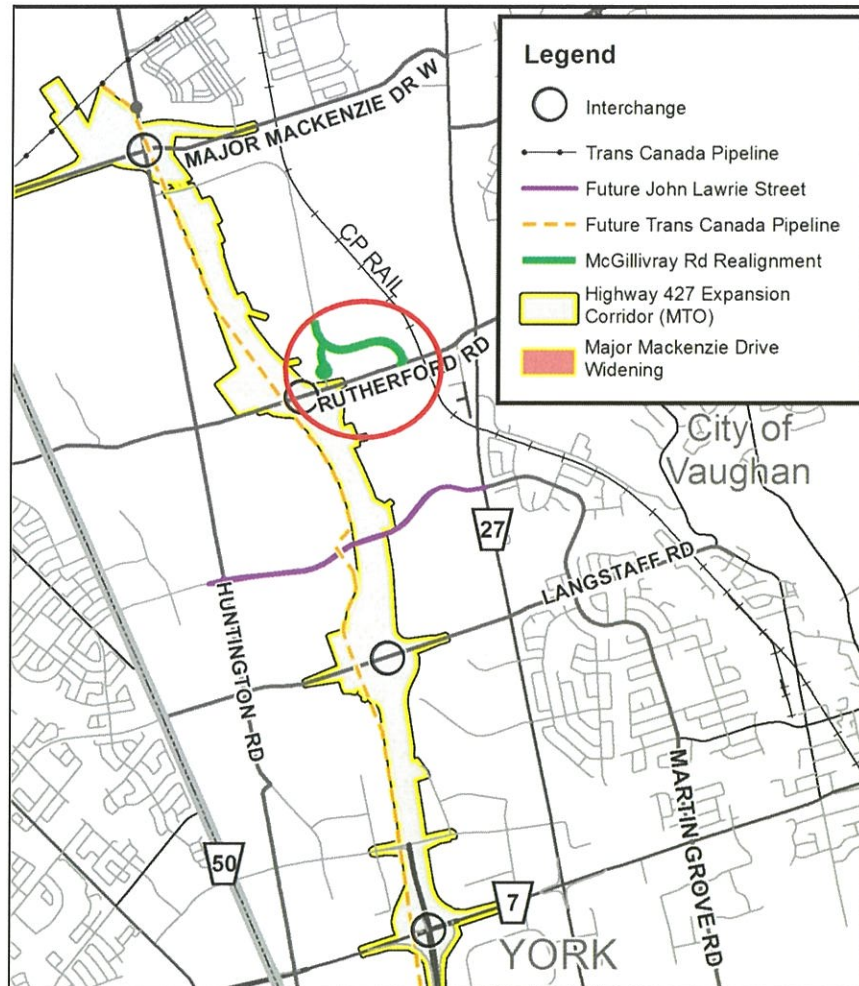
MTO Contract 2014-2016

South of Hwy 409 to Steeles Ave

7.3 km - Widening from 5 to 8 lanes
Work also includes the rehabilitation and widening of all structures and pavement resurfacing

Note: widening from Finch Avenue to Steeles Avenue is limited to 6 lanes.

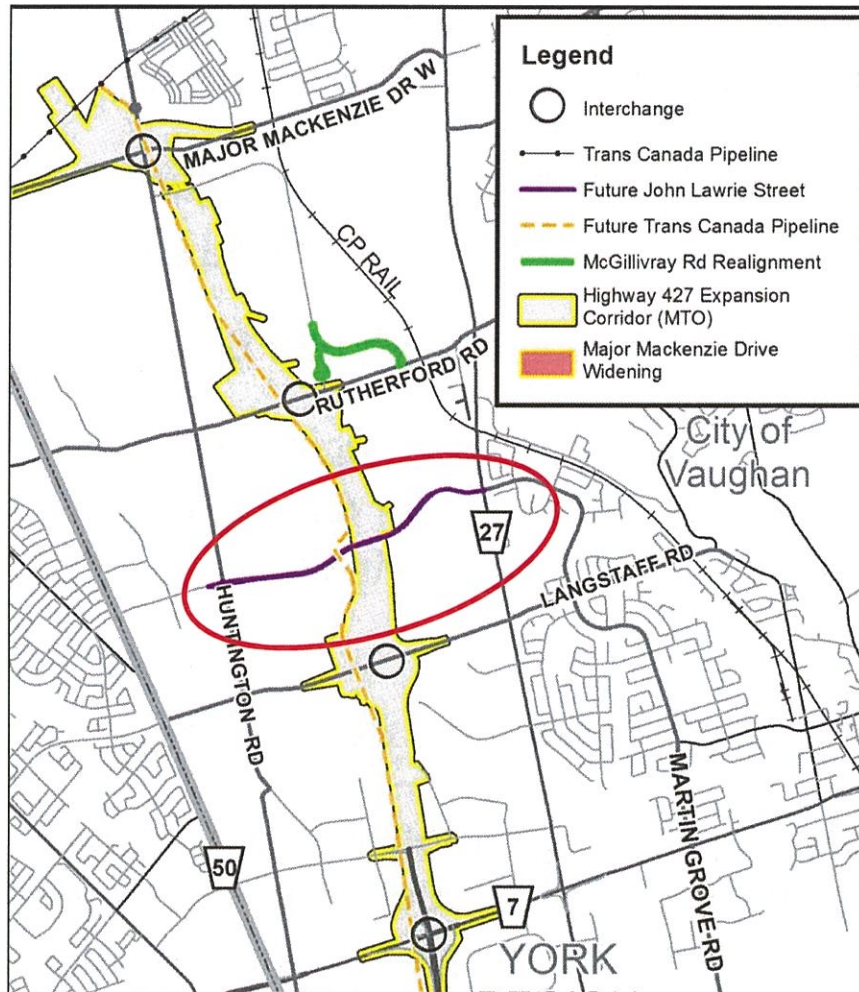
Other Construction



McGillivray Road Re-alignment

- The need for a realignment of McGillivray Road was identified in the *Highway 427 Extension Transportation Corridor Individual EA (January 2010)*.
- Subsequent to EA completion and in response to the need for integration with municipal land use plans, MTO has reviewed the realignment in consultation with York Region, City of Vaughan and Toronto Region Conservation Authority (TRCA).
- Transportation Environmental Study Report (TESR) was completed in March 2016 and has received EA approval.
- Separate contract from Highway 427 Expansion.

Other Construction



Future John Lawrie Street City of Vaughan Undertaking

- The future John Lawrie Street will be a connection between Highway 27 and Huntington Road, north of Langstaff Road.
- As part of the Highway 427 Expansion Project, the Highway 427 overpass structures at the future crossing of John Lawrie Street will be constructed so as not to preclude future construction of the road by the City of Vaughan.

Managed Lanes (HOT)

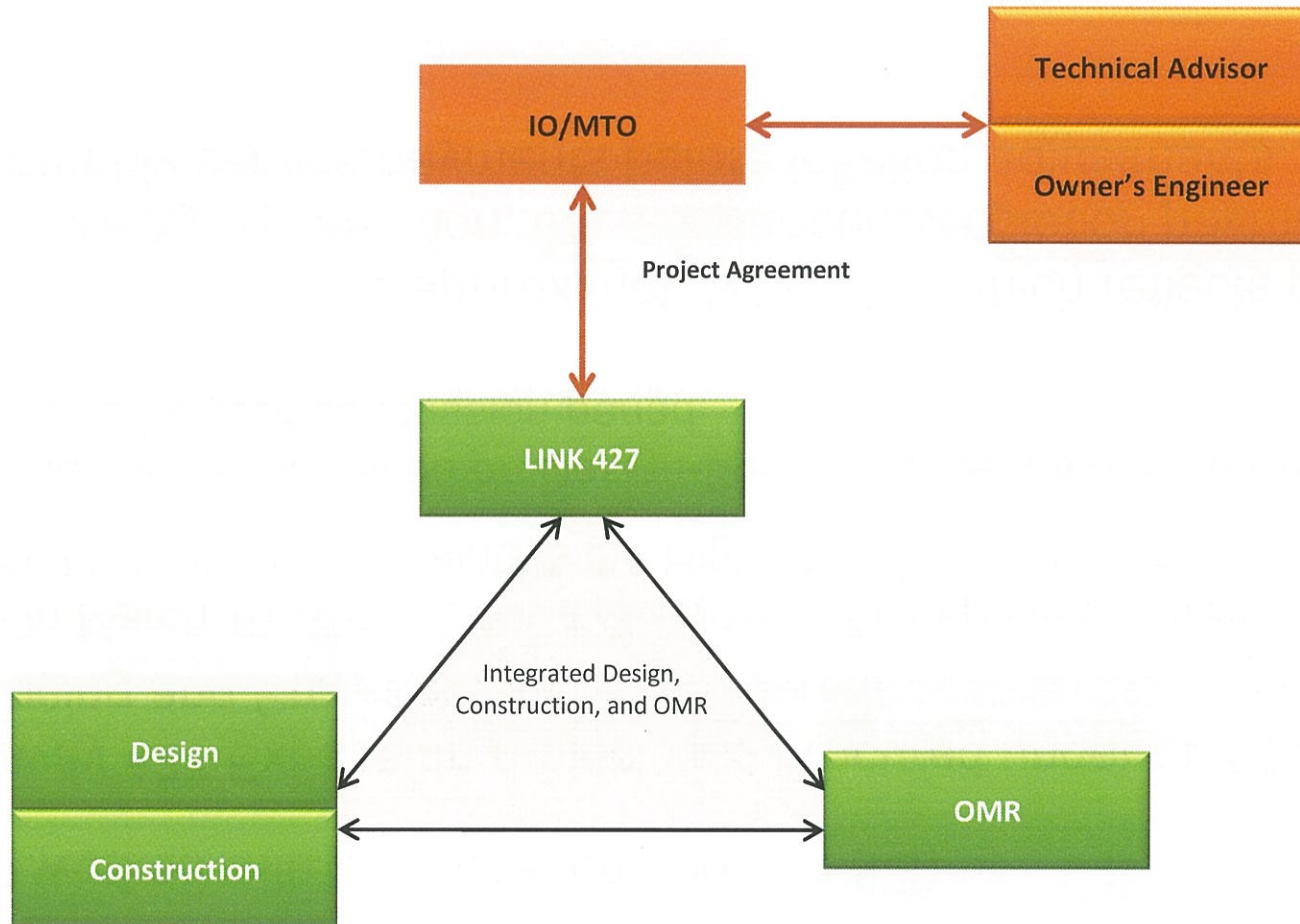
On December 7, 2015, the ministry announced that the province will build new, dedicated HOT lanes with electronic tolling on Highway 427 from south of Highway 409 to north of Rutherford Road, which will open in 2021.

- ❑ Ontario's first electronic HOT lanes will be provincially controlled and operated.
- ❑ The Highway 427 Expansion project will *only* include construction of preparatory infrastructure (i.e., conduit, footings, etc.) to enable future HOT lanes on Highway 427.
- ❑ Tolling and back-office services will be procured separately.
- ❑ HOT lanes will improve traffic flow and maximize highway capacity while continuing to provide a carpooling incentive.
- ❑ Future announcements about the cost to use the HOT lanes will ensure the price reflects market conditions prior to implementation.

Current Project Status

- ❑ MTO worked with Infrastructure Ontario (IO)
- ❑ Highway 427 Expansion project was procured under an Alternative Financing and Procurement (AFP) model.
 - ❑ On March 10, 2017, LINK 427 signed a fixed-price contract to design, build, finance and maintain the Highway 427 Expansion project.
 - ❑ The contract is based on Design-Build-Finance-Maintain (DBFM) model with a 30 year concession period.
- ❑ The contract value is approximately \$616M, which reflects payments made during construction, the substantial completion payment and the monthly service payments before inflation adjustments.

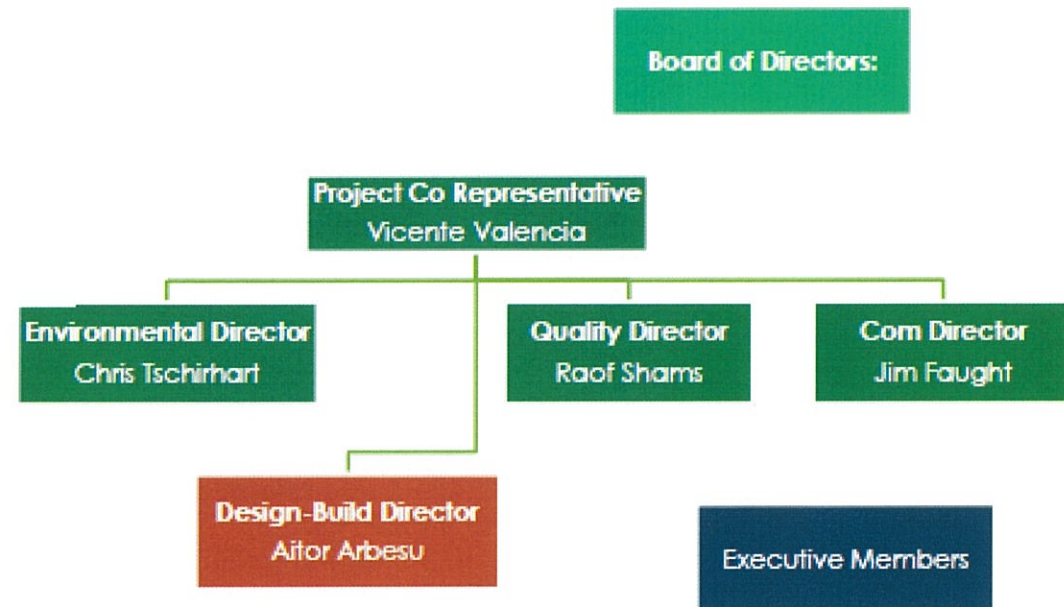
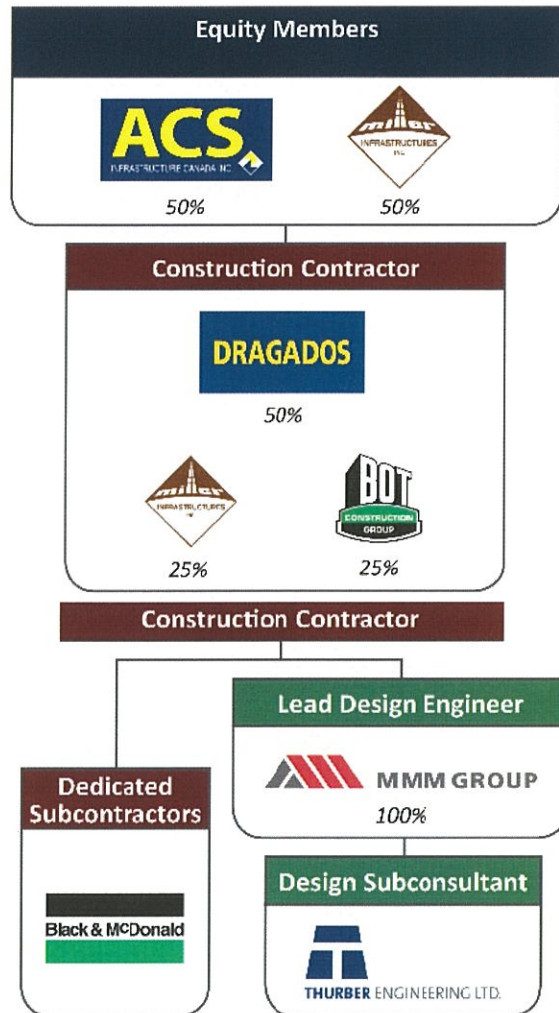
IO / MTO / LINK 427 Integration



Next Steps

- ❑ Detail Design
 - ❑ Workshops with Utilities
 - ❑ Public Consultation
- ❑ Preliminary Works
 - ❑ Topographical Surveys
 - ❑ Geotechnical/Foundation Boreholes and Analysis
 - ❑ Utility Locates
- ❑ Construction start – Subject to LINK 427's schedule

LINK 427 Organizational Structure



LINK 427 Contact Information

Key Individuals

- ❑ Project Co Representative: Vicente Valencia
- ❑ Design-Build Director: Aitor Arbesu
- ❑ Communications Director: Jim Faught

NOTE: Phone numbers to be provided when available.

LINK 427 Project Office: 1 Royal Gate Blvd., Woodbridge, ON, L4L 8Z7

Emails & Website to be provided shortly

Questions



HIGHWAY 427 EXPANSION PROJECT UPDATE
THE MINISTRY OF TRANSPORTATION OF ONTARIO
WARDS 1 AND 2 – WEST VAUGHAN EMPLOYMENT AREA

Recommendation

The Deputy City Manager, Planning and Growth Management and the Director of Development Engineering and Infrastructure Planning recommend:

1. THAT the presentation from the Ministry of Transportation on the status of the Highway 427 Expansion project be received.

Contribution to Sustainability

The proposed Highway 427 Expansion contributes to sustainability by addressing the existing inter-regional transportation constraints related to the current Highway 427 terminus and by enhancing goods movement to and from the CPR Vaughan Intermodal facility. In addition, the expansion of Highway 427 to Major Mackenzie Drive together with the full interchanges at Langstaff Road, Rutherford Road and Major Mackenzie Drive will facilitate the planned growth in the City, in particular the West Vaughan Employment area.

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- Eight lanes from Highway 7 to Rutherford Road and six lanes from Rutherford Road to Major Mackenzie Drive
- Three new interchanges (Langstaff Road, Rutherford Road and Major Mackenzie Drive)
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In addition to the above, a 4-kilometre road widening from Finch Avenue to Highway 7 is included as part of the Highway 427 Expansion project, with the following configuration:

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City staff will continue to work with LINK 427, MTO and York Region to minimize impacts on residents and businesses in the area, and keep Council regularly informed of the progress of the project.

Attachment

1. MTO Highway 427 Expansion Map
2. McGillivray Road Realignment

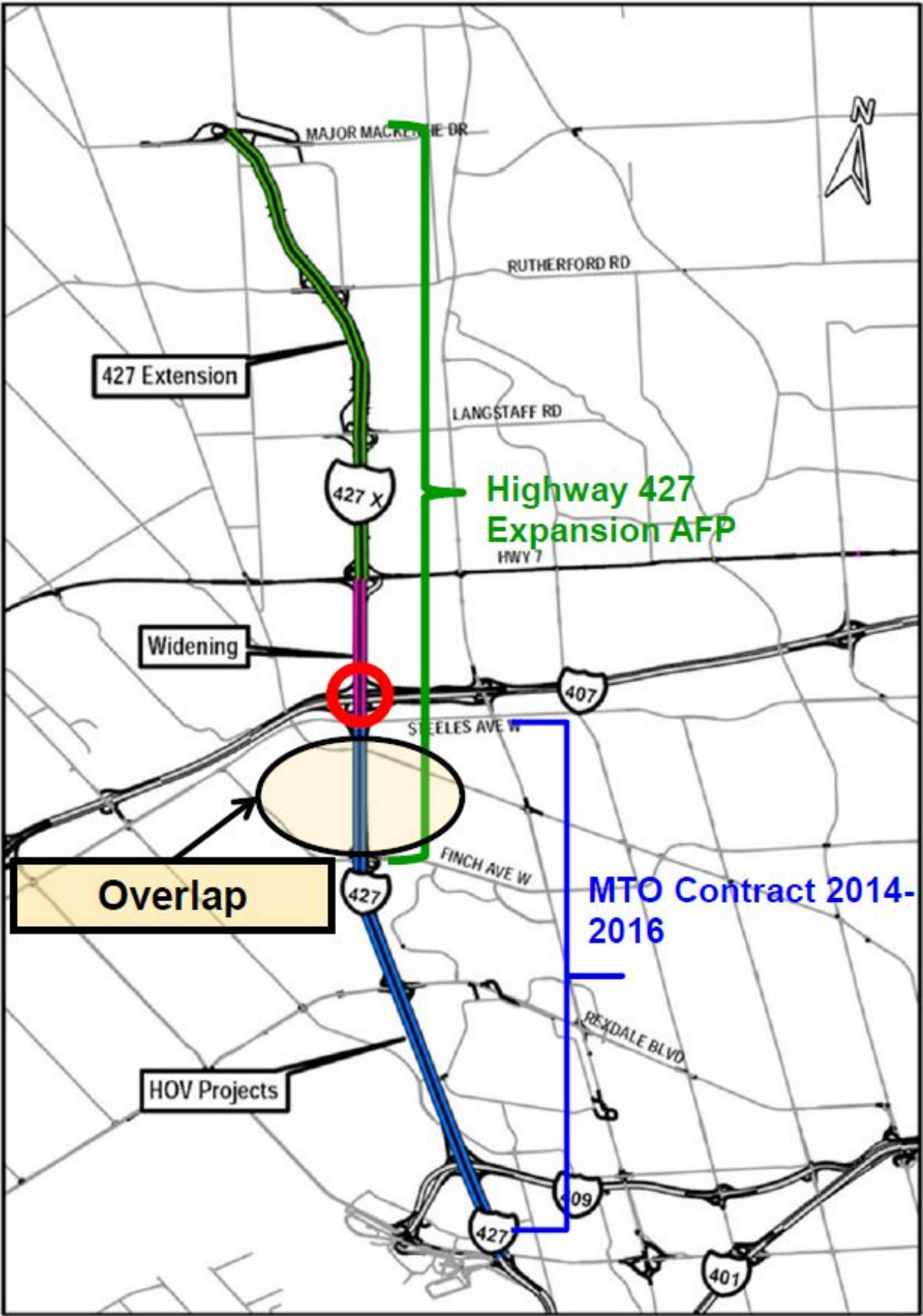
Report prepared by:

Mani Shahrokni, Transportation Project Manager, Ext. 8163
Selma Hubjer, Manager, Transportation Planning, Ext. 8674

Respectfully submitted,

JOHN MACKENZIE
Deputy City Manager,
Planning & Growth Management

ANDREW PEARCE
Director, Development Engineering
and Infrastructure Planning



McGillivray Road Realignment

