

HIGHWAY 427 EXPANSION

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

COMMITTEE OF THE WHOLE – WORKING SESSION CITY OF VAUGHAN

JUNE 6, 2017

1:00 PM

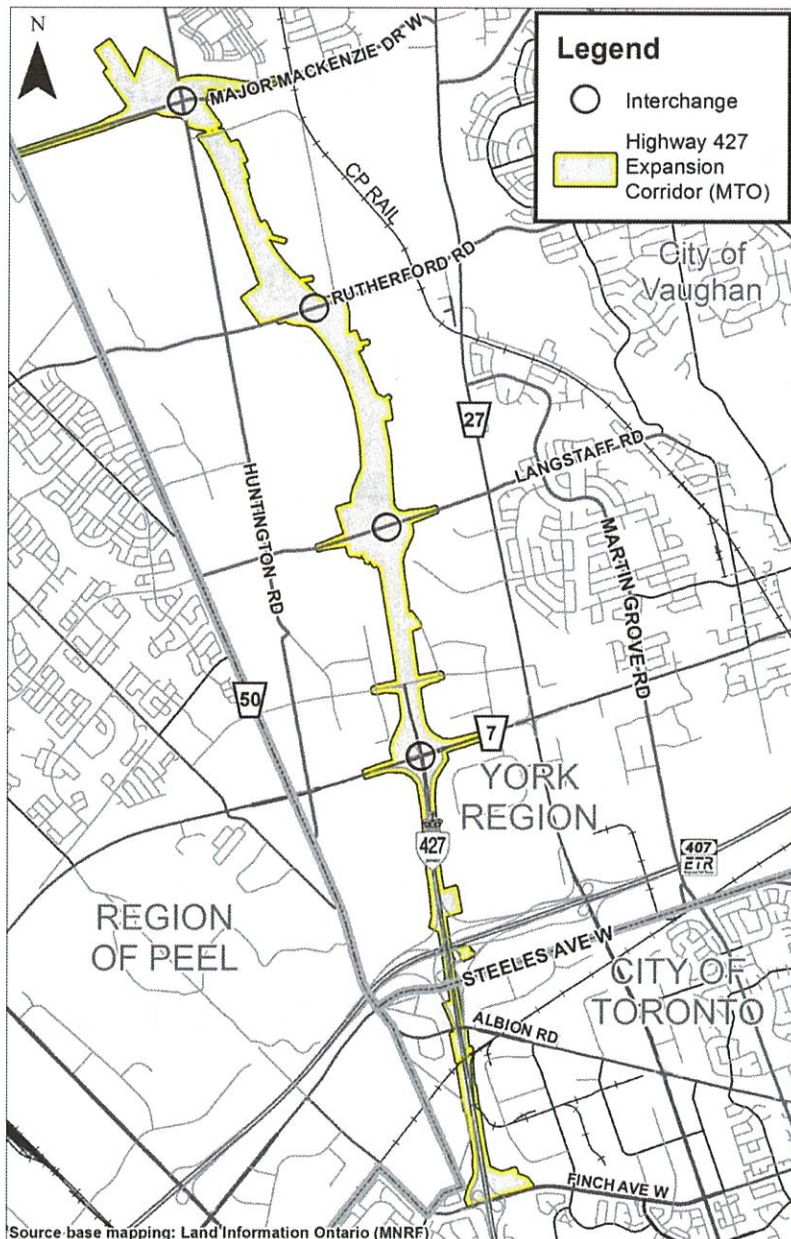
Ministry of Transportation
Central Region – Major Projects Office

PURPOSE

- ❑ Project Overview
- ❑ Activities to Date:
 - ❑ Property Acquisition
 - ❑ Advanced Utility Relocation
 - ❑ Species at Risk
 - ❑ Road Closures
 - ❑ Adjacent MTO Contracts
 - ❑ Other Construction
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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.

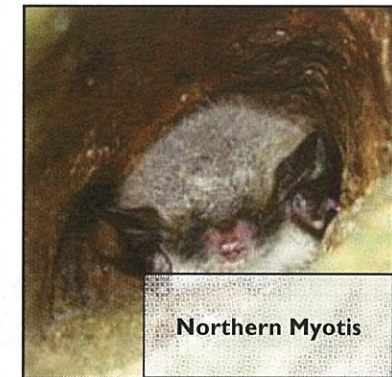
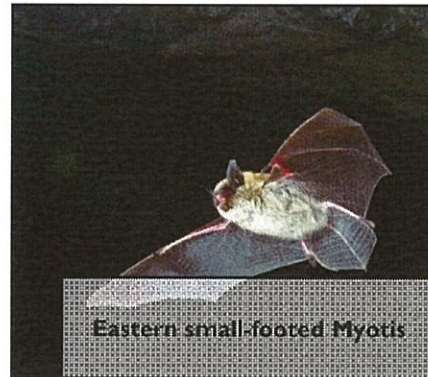
Advance Utility Relocation

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

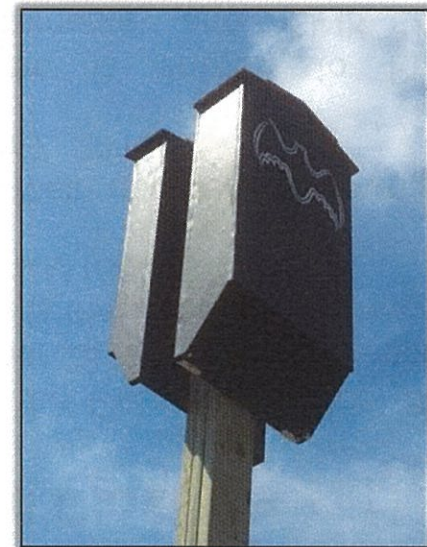
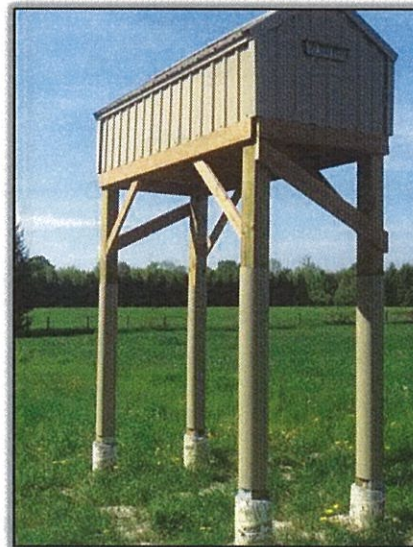


Species at Risk

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.





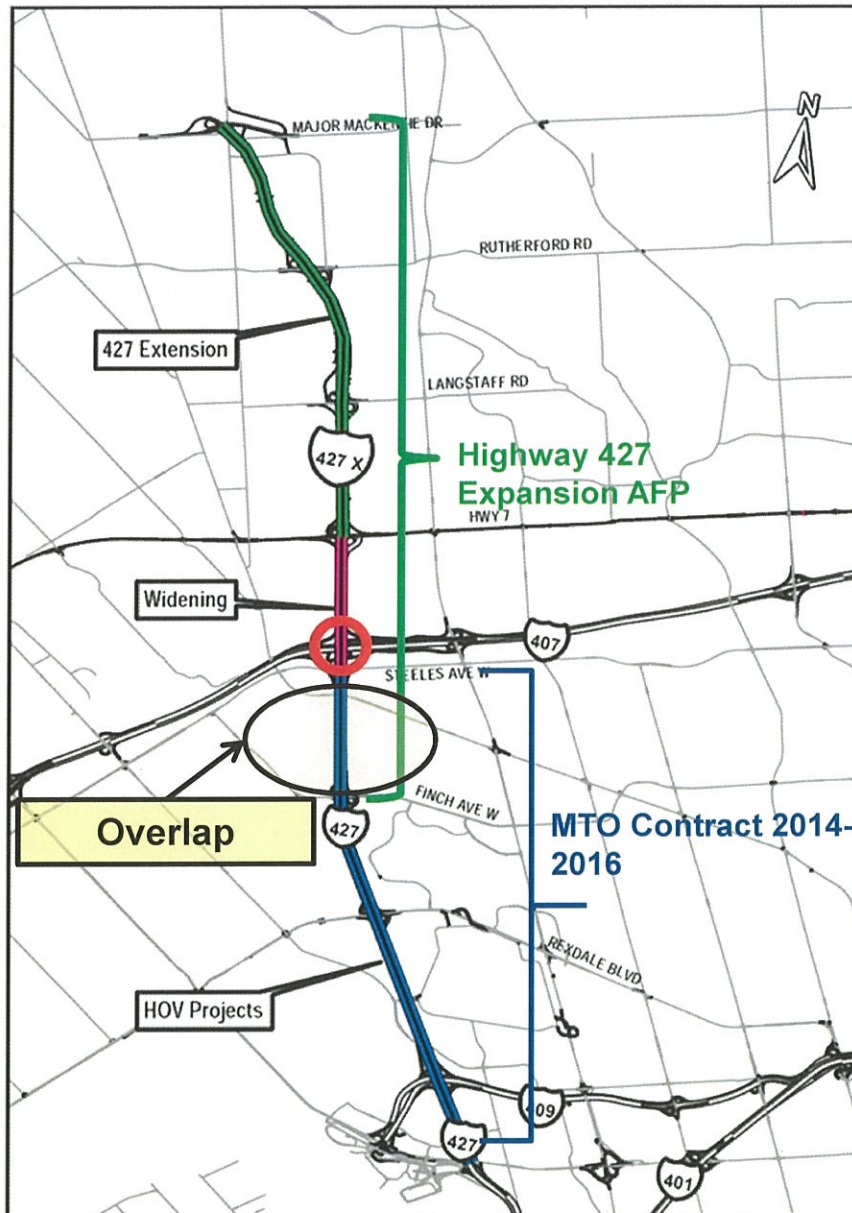
Road Closures

- ❑ 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

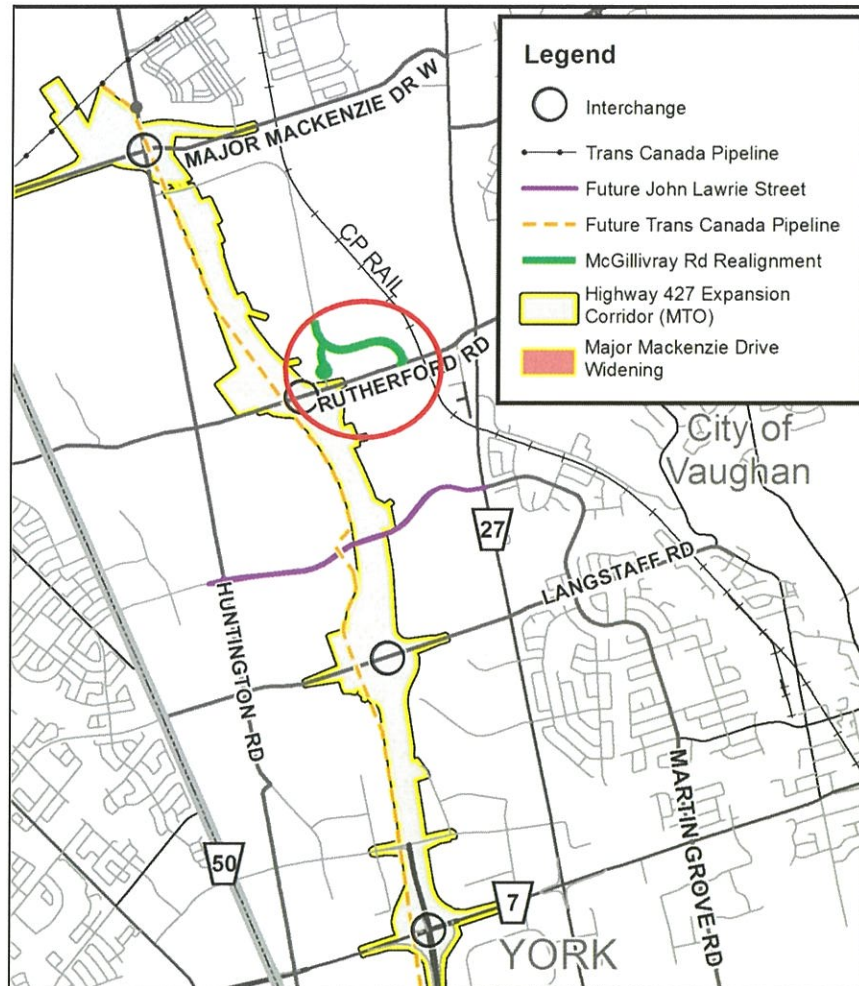
MTO Contract 2014-2016

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.

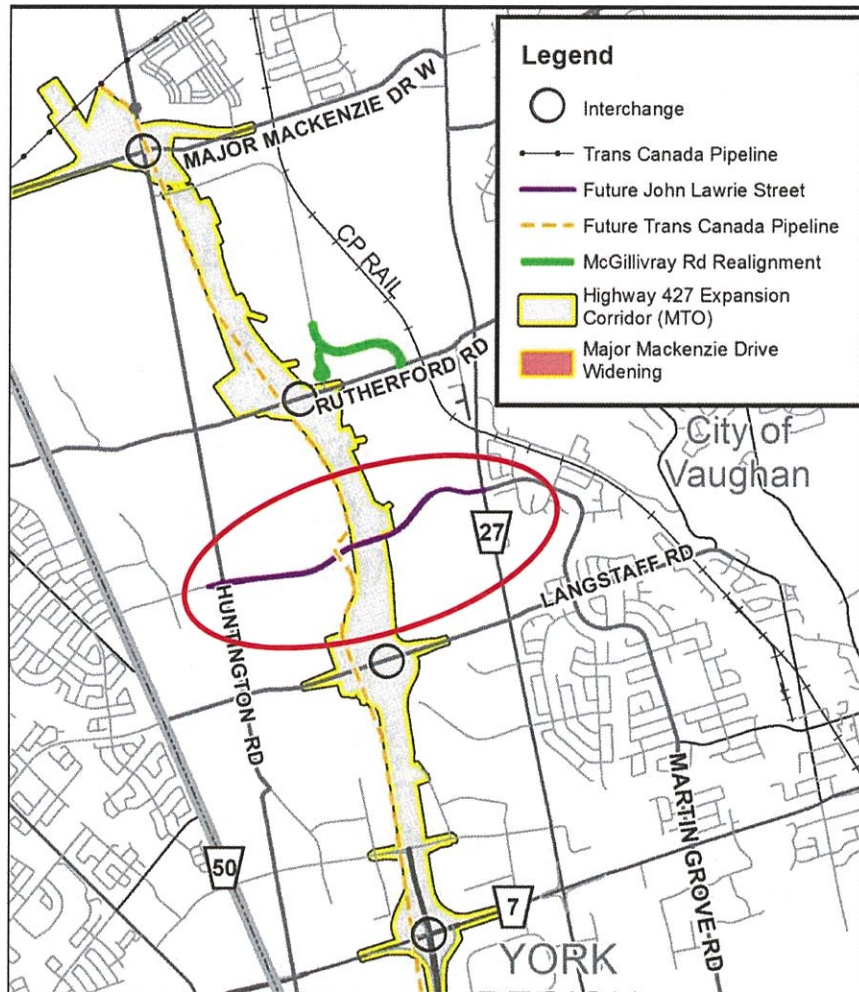
Other Construction



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)

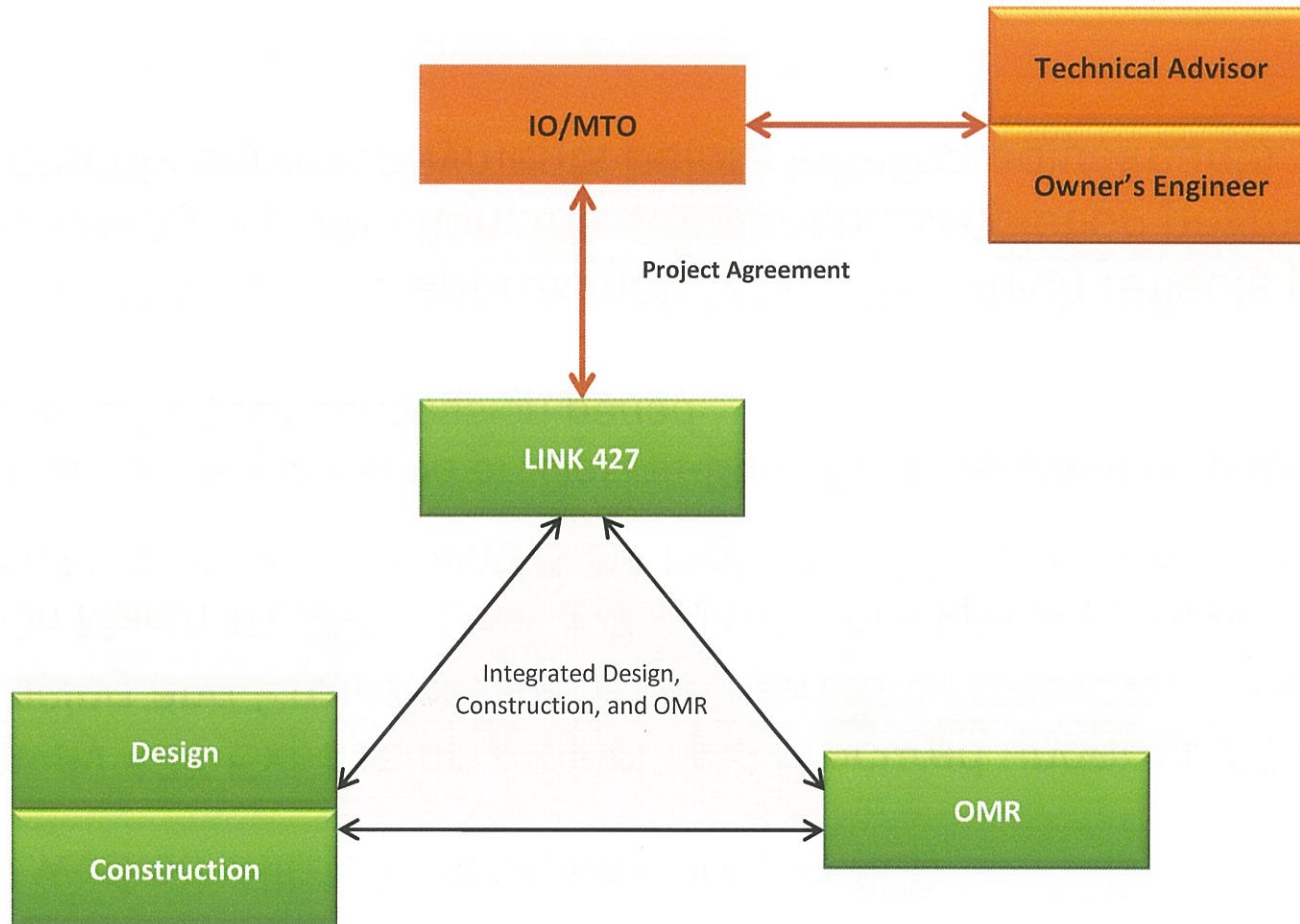
On December 7, 2015, the ministry announced that the province will build new, dedicated HOT lanes with electronic tolling on Highway 427 from south of Highway 409 to north of Rutherford Road, which will open in 2021.

- ❑ 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.

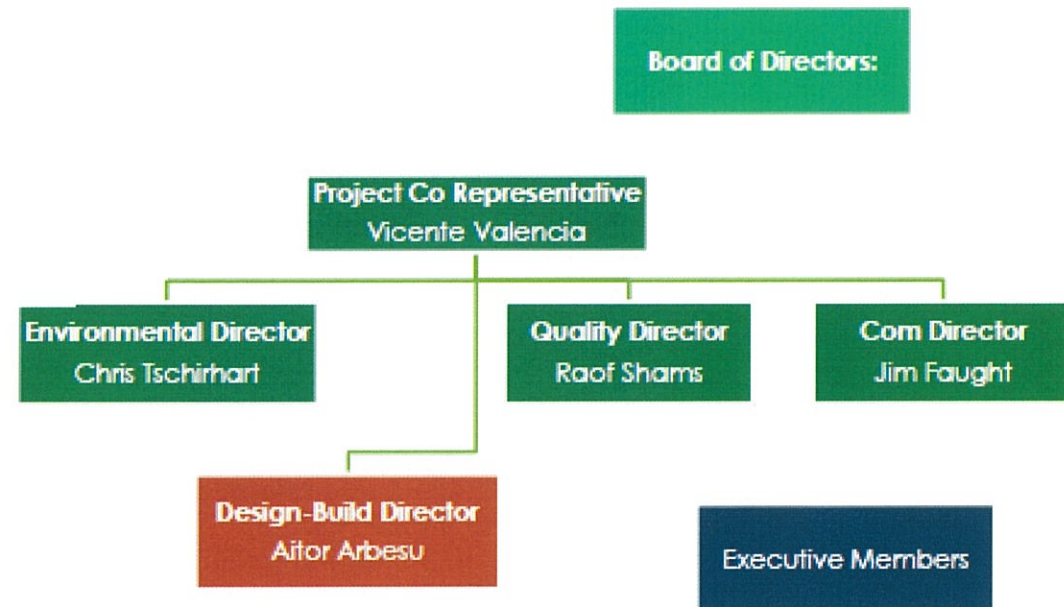
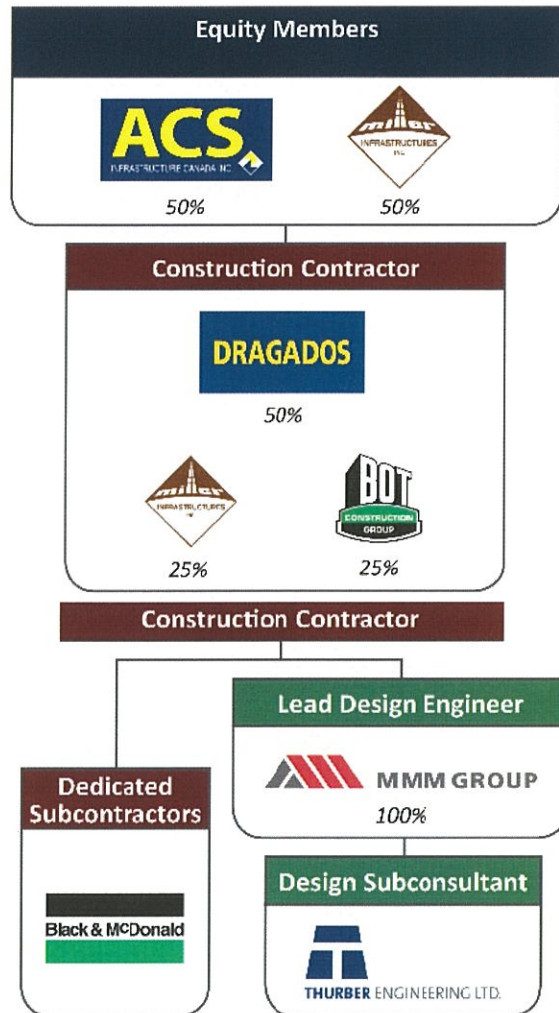
IO / MTO / LINK 427 Integration



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



