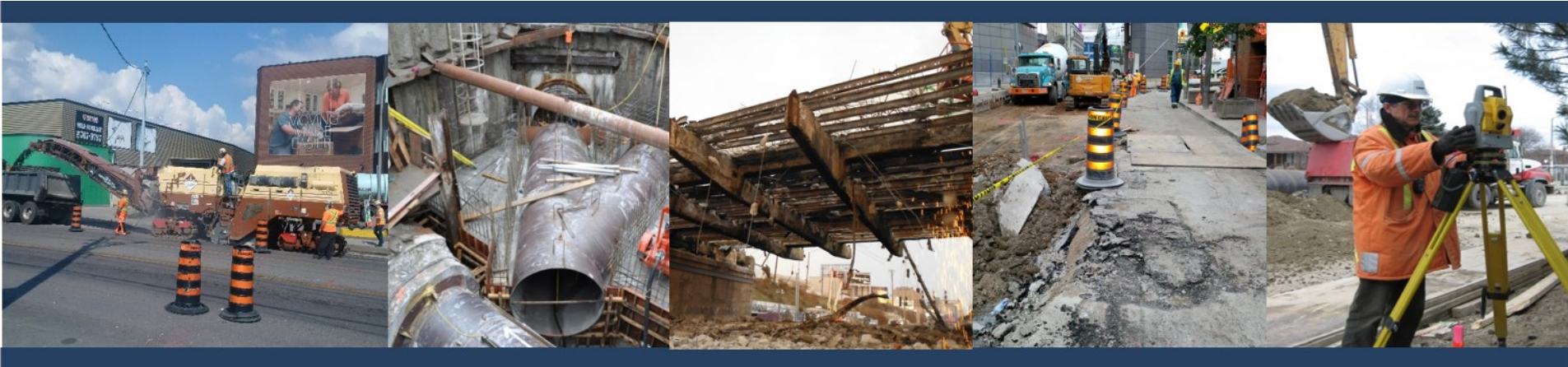


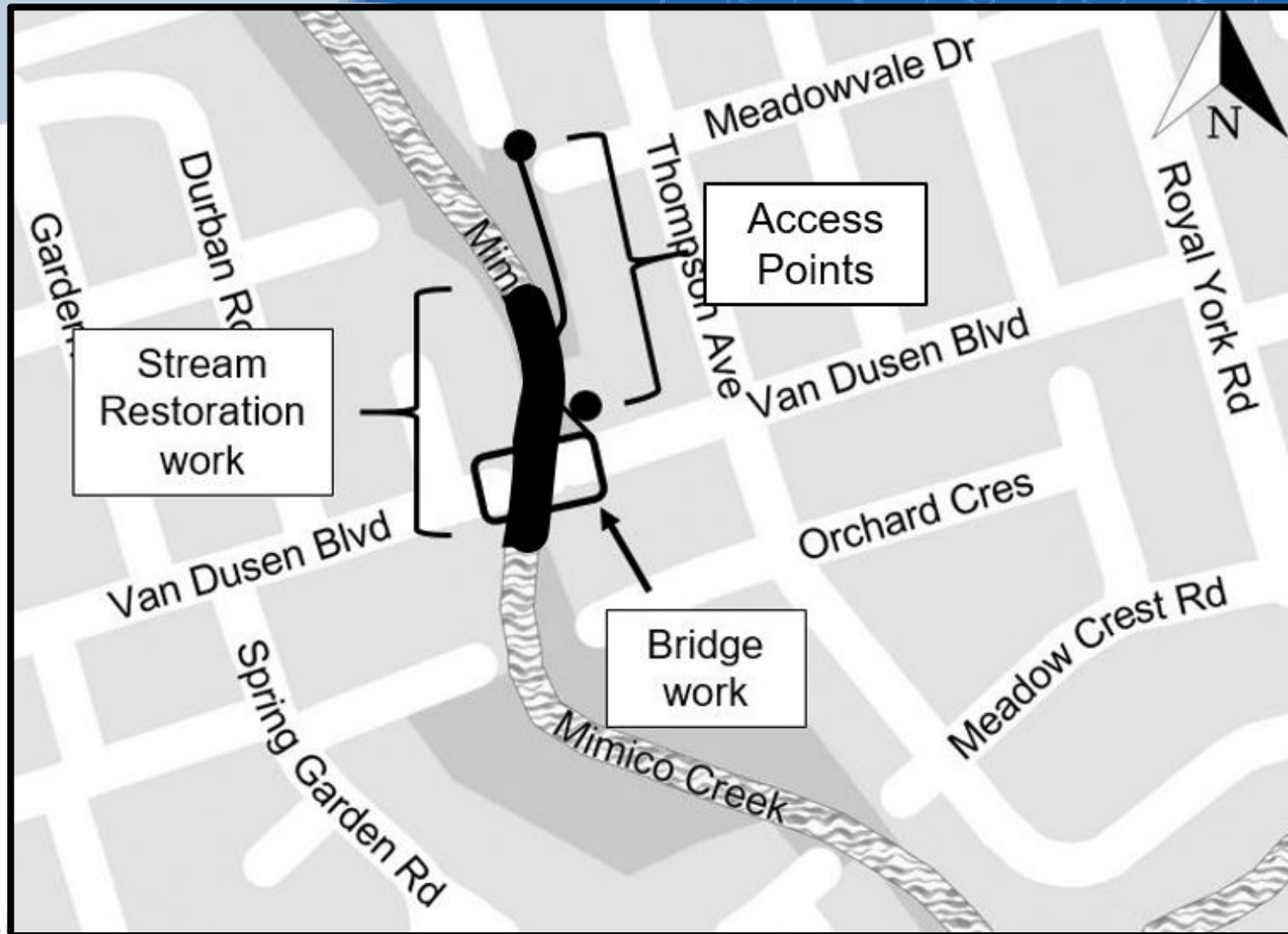
Van Dusen Pedestrian Bridge Replacement & Mimico Creek Stream Restoration



Engineering & Construction Services
Contract: 21ECS-LU-01SM

March 2021

Work Area



Background - Bridge Replacement

- The Van Dusen Pedestrian Bridge was identified for replacement in 2021 through Transportation Services' capital repair program
- Initial plan included bridge removal as part of the same construction project as the stream restoration and bridge replacement work
- In summer 2020, rainstorm events resulted in undermining of the bridge support on the west side and the bridge was subsequently closed to the public. Its removal was expedited in Fall 2020 for public safety
- The new bridge will be constructed at the same location as the original crossing over Mimico Creek at Van Dusen Boulevard
- The new bridge will be compliant with the Toronto Accessibility Design Guidelines (TADG) and the Accessibility for Ontarians with Disabilities Act (AODA)



Project Overview – Bridge Replacement

Dates: Late Spring 2021 to November 2021

Work Hours:

- 7 a.m. – 5 p.m., Monday to Friday
- No weekend or afterhours work is planned to occur

Work on this project will involve:

- Removing existing bridge pier and east abutment
- Constructing new foundation and bridge supports
- Replacing bridge superstructure
- Installing new street light on bridge
- Constructing new armour stone walls under the bridge

Background - Stream Restoration

- Mimico Creek is undergoing changes due to the increases in flow from land use changes and extreme rainfall over the years
- As a result, a tremendous amount of erosion has exposed two sanitary sewers; the bed at the location of the sanitary sewer has eroded by approximately 1.7 metres since it was constructed
- These exposed sewers represent a significant risk to the Mimico Creek environment should they fail
- Additionally, as per provincial legislation, the City is required to protect them as they are City infrastructure and must be kept in a state of good repair
- The stream restoration project will protect the sanitary sewers, restore the eroded banks along the creek in this area, and improve the look of the area by repairing the current failing armourstone and gabion walls. This will result in improved water quality and fish habitat along the creek



Project Overview – Stream Restoration

Dates: Late Spring 2021 to late 2021
(with some final restoration in 2022)

Work Hours:

- 7 a.m. – 5 p.m., Monday to Friday
- No weekend or afterhours work is planned to occur.

Work on this project will involve:

- Raising the creek bed with grouted armourstone
- Constructing armourstone rib structures
- Protecting sanitary sewer crossings
- Replacing armourstone retaining walls
- Repairing storm sewer outfall

Community Impacts

- For the upcoming stream restoration and bridge replacement work, efforts will be made to limit impacts to the nearby properties
- Work will include heavy equipment in the area, material storage and typical noise associated with construction.
- There will be a varying amount of disturbances throughout the planned work, however all noise and construction time regulations will be followed during construction.
- As part of our usual practices, this work, its timelines and details will be shared with all emergency services prior to construction, so they can augment their procedures accordingly.

Construction Staging

Starting in Late Spring 2021, the City will be replacing the pedestrian bridge and completing the stream restoration work

Work will occur in **two phases**:

- **Phase 1 (Late Spring 2021 to Fall 2021)**

- Stream Restoration downstream of the Sanitary Sewer Crossing
- Installation of the Van Dusen Pedestrian Bridge
- Access from Van Dusen Blvd

- **Phase 2 (Fall to Dec 2021 with final restoration in 2022)**

- Stream Restoration upstream of the Sanitary Sewer Crossing
- Restore all areas affected by the construction
- Access from Cosmo Road



Pre-Condition Survey

- For both the Mimico Stream restoration and Van Dusen Pedestrian Bridge replacement work, the contractors will perform a visual inspection of both the interior and exterior of all adjacent properties ahead of construction which will include picture and/or video documentation and will follow-up with a post-inspection survey once the project is completed
- Residents will be notified of inspection in advance via a letter from the City
- The contractor will also monitor vibrations during the construction to ensure that there is no damage to nearby buildings
- Reports of any damages should be made to the City, as per the directions on the City's website:
 - <https://www.toronto.ca/city-government/accountability-operations-customer-service/complaints-claims-compliments/make-a-claim-against-the-city/>

Tree Removal within the Project Limit

- The construction of the stream restoration and bridge replacement project requires the removal of trees in the area.
- All tree removals are approved by the TRCA and Urban Forestry and will be replaced with 3 new trees planted.
 - Re-naturalization plantings will be done with 100% native plants
 - The area will be densely planted, and with a diversity of species to promote a variety of layers to mature (ground cover, understory, canopy)
 - A mixture of fast and slower growing trees are to be planted so the faster ones will reach their full canopy potential much faster, but will have a shorter natural lifespan, hence the inclusion of slower growing species.
- The project will also mitigate impacts to fish, birds and roosting that inhabit the area.

Intermittent Road Closure

- Due to the need to perform bridge superstructure erection and mobilization of equipment and material for the creek work, Van Dusen Boulevard, Meadowvale Drive and Cosmo Road will require **intermittent road closure** to vehicles.
- There may be temporary disruption to driveway access for residents on Van Dusen Boulevard.
- Throughout the construction period, flagmen will be present at both sides of the bridge to direct traffic.



Public Outreach

- Capital Project Signage will be used and includes
 - Project Title
 - Project Details
 - Start and End date
 - Contract Number
- A Pre-construction Notice will be distributed to nearby residents at least a month prior to work starting
- A Construction Notice will be distributed to the same area two weeks before work starts
- During construction, updates will be posted to [Toronto.ca/mimicocreek](https://toronto.ca/mimicocreek)

Project Leads

- If you have questions or need to speak with someone, please contact the City staff listed below, Monday to Friday, 9 a.m. to 5 p.m.
- For emergencies outside of these hours, please contact 311.

Project	Contact	Telephone and Email
Stream Restoration	Devin Coone Project Manager	Telephone: 416-392-8267 Email: devin.coone@toronto.ca
Bridge Replacement	Candice Chan Senior Engineer	Telephone: 416-395-6339 Email: candice.chan@toronto.ca