



Basement Flooding Protection Program Sewer Upgrades on Old Mill Drive and Catherine Street

Councillor Perks – Ward 4

Virtual Trailer No.13 – March 14, 2024

Old Mill Bridge - Bridges, Structures, & Expressways

Update from City's Bridges, Structures, & Expressways

- The City is legally required to inspect all bridges in its inventory every two years to provincial standards. The Old Mill bridge over the Humber River (City ID634) was last inspected on June 26, 2023 with an overall fair to good condition rating. The inspections and reports are completed by trained professional engineers. The barrier/parapet walls, which may be of particular community concern, were rated in good condition in the 2023 inspection.
- The cracks mentioned in photos from resident appear to be construction joints that were sealed with joint filler. The construction joints were very likely present since the bridge was built, when the parapet wall would have been built in smaller sections. The joint filler appears to have separated from the joint over time. While the joint gaps are noticeable, we do not interpret them to be a sign of structural distress.
- At its last rehabilitation, the bridge was rehabilitated to a design loading following the Ontario Highway Bridge Design Code class B. This includes a live truck loading of a total of 490 kN, with a peak axle load of 140 kN. A total load of 490 kN can be considered equivalent to a total load of approximately 50,000 kg.



Action Items from February 8, 2024 Virtual Trailer #12

1. On-site staff to review speed humps on Old Mill Drive within the area of construction.

- There are three (3) existing speed humps located on Old Mill Drive within the limits of the construction between Bloor St W and Catherine St which are located at approximately 2, 30 and 50 Old Mill Drive.
- The existing speed humps are within the limits of trenchless scope of work and are still present on Old Mill Drive.



Action Items from February 8, 2024 Virtual Trailer #12

1. (continued)

- These speed humps will be reviewed and restored to pre-construction conditions during the restoration phase of the contract.
- City staff are still actively reviewing the contract restoration items and any revisions to the restoration plan will be communicated.
- A settlement in the roadway next to the speed hump in front of 50 Old Mill Drive is currently being assessed by the City. Discussions regarding the cause and restoration of the settlement are ongoing. The community will be updated when additional information is available.

Action Items from February 8, 2024 Virtual Trailer #12

2. On-site staff to follow-up with Ernesto at 1 Old Mill Drive to review the electrical work required.

- The Contract Administration team met directly with the No. 01 Old Mill Drive building management and coordinated the necessary electrical work to facilitate removal and repair of the building address sign.

Action Items from February 8, 2024 Virtual Trailer #12

3. Councilor's office staff to follow-up on concern about timing of construction of new condominium on Jane Street (2461 Bloor St. West).

- Staff from the Councillor's Office have made inquiries regarding the construction timelines of the condominium on Bloor Street West between Jane Street and Riverview Gardens.
- This proposed application is still in its early stages and is unlikely to overlap with this ECS project.
- Timelines for the condominium construction will be communicated to the community, when available.

Action Items from February 8, 2024 Virtual Trailer #12

4. Councillor's office staff to follow-up with Transportation Services about request made for review of traffic restrictions from Bloor Street to Old Mill Drive.

- The Councillor's Office has sent the request to Transportation Services, and they will provide feedback when available.
- Currently, the ECS Contractor is following the approved Traffic Management Plan, and has installed a 'Road Closed Sign – Local Traffic Only' at the intersection of Bloor Street and Old Mill Drive, facing Bloor Street West to discourage non-local traffic from utilizing Old Mill Drive.



Action Items from February 8, 2024 Virtual Trailer #12

5. TTC staff to follow-up with residents on data readings.

- TTC staff have confirmed that post-milling noise-vibration assessments have been conducted.
- As of March 14, 2024, the post-milling sound/vibration assessment readings have not been made available to ECS staff.
- TTC to provide pre- and post-milling noise and vibration assessment results, when available to the community and ECS.

Action Items from February 8, 2024 Virtual Trailer #12

6. On-site staff to investigate driveway at 67 Old Mill Drive.

- The Contractor is currently active onsite completing permanent restoration works on Old Mill Drive.
- Curb and driveway exit of 67 Old Mill has temporary asphalt and will be fully restored during final restoration.

Action Items from February 8, 2024 Virtual Trailer #12

7. On-site staff to follow-up on concern about sidewalk and fire hydrant at 5 Old Mill Drive.

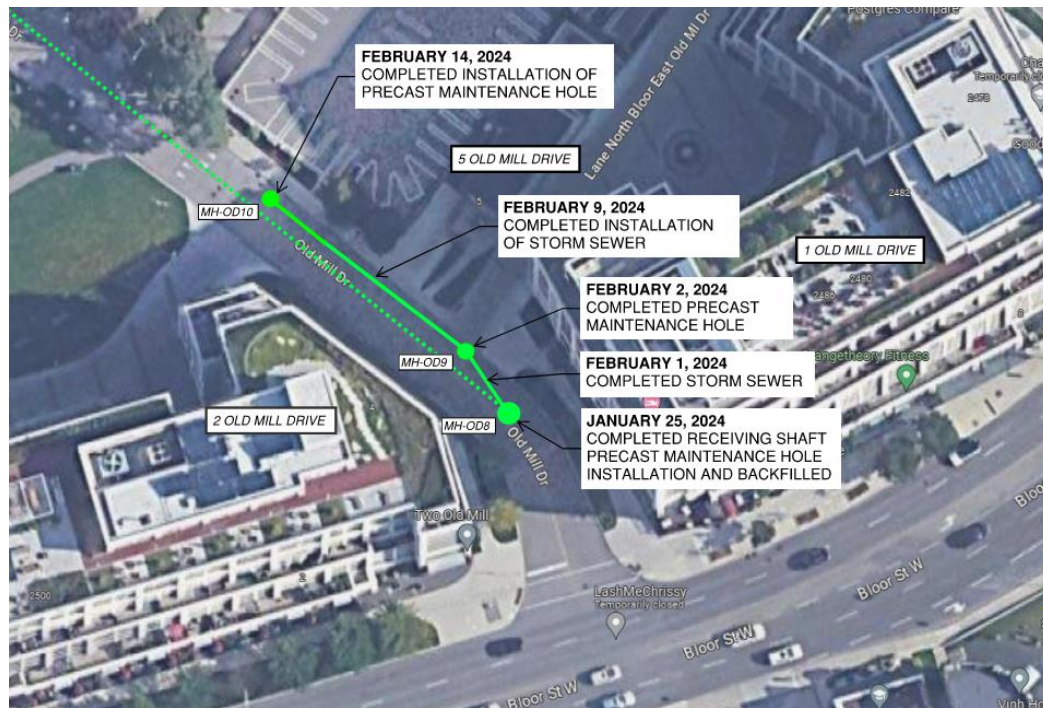
- There are no observed deficiencies or operational concerns with the hydrant located at 5 Old Mill Drive. The concrete sidewalk and curbs in this area have been permanently restored.



Status of Work – Progress Update

Ongoing Work

- On February 14, 2024, the Contractor completed the remaining open-cut work between 1 Old Mill Drive and the Green P parking lot for the local storm sewer installation and connection to the micro-tunnelled storm sewer.
- On February 25, 2024, the Contractor completed the maintenance hole installation within the launch shaft work area at Riverside Drive and Old Mill Drive.



Status of Work – Progress Update

Ongoing Work

- On Tuesday, February 27, 2024, the installation of the sanitary sewer maintenance hole was completed at Catherine Street and Old Mill Drive. This area was temporary restored with asphalt on March 7, 2024.



Status of Work – Progress Update

Ongoing Work

- On Monday, March 04, 2024, the Contractor completed the placement of the base course asphalt which was placed to the elevation of the top course asphalt for increased safety and quality to re-open Old Mill Drive to vehicle traffic.



Status of Work – Progress Update

Ongoing Work

- On Wednesday, March 06, 2024, the Contractor completed concrete restoration work, including sidewalks, curbs and driveway entrances for No. 01, 02 and 05 Old Mill Drive.
- The Contractor has restored the road, sidewalk, and curbs within the limits of Traymore Park and Bloor Street West on Old Mill Drive, so it can be open for traffic as remaining work proceeds along Old Mill Drive.
- At the end of road restoration on Old Mill Drive the Contractor will return to pave top layer of asphalt within the highlighted section of the roadway.



Status of Work – Progress Update

Ongoing Work

- Between Tuesday, March 5, 2024, to Friday, March 8, 2024, the remaining storm sewer installation at Riverside Drive and Old Mill Drive was completed. Impact notices were distributed to the community for the daytime road closure during this work on March 4, 2024, followed by an updated notice distributed on March 5, 2024, advising the closure would be required until March 8, 2024.



Status of Work – Progress Update

Ongoing Work

- On Friday, March 08, 2024, the contractor completed the open cut works and placed temporary asphalt for restoration and re-opened the Riverside Drive road closure to vehicle traffic at the end of the working day.



Status of Work – Progress Update

Ongoing Work

- Permanent restoration of concrete curbs impacted under the base scope including temporary driveway restorations, permanent interlocking driveway restoration on Old Mill Drive from Catherine St to Bloor St W is presently ongoing and will continue until all permanent restoration works have been completed. All permanent restoration works are scheduled to be completed by May/June 2024.



Status of Work – Progress Update

Ongoing Work

- On Tuesday, February 27, 2024, Toronto Water provided authorization to descope the maintenance hole installation in front of 29 Old Mill Drive (OD7). The community was informed of this decision through an email communication on Friday, March 1, 2024.



Status of Work – Progress Update

Ongoing Work

- On Friday, March 8, 2024, vibration monitors were placed at 37 Old Mill Drive in the vicinity of the work, prior to excavation for the maintenance hole (OD6). Vibration monitoring will be performed throughout the scope of work at this location.
- The open-cut work to install the storm sewer maintenance hole OD6 located at 37 Old Mill Drive is currently ongoing.
- A notice was delivered to the community regarding the road impact and provided by email update on Thursday, March 7, 2024.
- The rolling road closure is in place from Friday, March 8, 2024, to Monday, March 18, 2024.
- Due to the nature of this work, Old Mill Drive is required to be reduced to one lane in the vicinity of 37 Old Mill Drive, and full road closures in the vicinity of the work zone are taking place intermittently throughout the work.
- The installation of the maintenance hole near 37 Old Mill Drive, and the source of the construction disturbance in the last three days, is the result of the excavation of soil and the installation of a plate shoring system. This shoring method utilizes the excavator's bucket to push the plates or shoring box to the desired depth to create a tightly shored excavation. Unfortunately, the friction generated by the soil during the installation of the plate system requires the excavator to apply force. This type of system has been utilized on projects across the City of Toronto and is considered a standard construction practice.

Status of Work – Progress Update

Ongoing Work

- The remaining open-cut work to follow includes abandonment of the existing Old Mill Drive storm sewer between Etienne Brule Park and Riverside Drive and a catch basin adjustment at the intersection of Catherine Street and Old Mill Drive as a part of Catherine Street reconstruction and resurfacing works.

Subway Noise/Vibration

- On January 16, 2024, TTC conducted pre-milling measurements of the noise/vibration. The measurements involved a small crew placing monitoring equipment on the ground in Traymore Park which obtained readings for about 3 hours.
- On February 9, 2024, rail maintenance (milling) to correct the “corrugation” between Old Mill and Jane stations was completed on both east and westbound tracks.
- On March 11, 2024, TTC confirmed that post-milling noise vibration assessment was completed.
- Reports on the measurements and assessment is ongoing by a third-party consultant and will be provided by TTC to the community when complete.
- A concern regarding an “insulated liner” was raised. TTC is investigating this and will provide feedback.
- The Old Mill project team will be meeting with a third party sound/vibration engineering firm next week to review a sound and vibration assessment.

Status of Work – Progress Update

Water Service upgrades at 57 and 59 Old Mill Drive

- On Friday, March 1, 2024, the water service improvements work for #57 and #59 Old Mill Drive were completed.
- The crew installed two new 19mm copper water services to each home from the main to the property line in accordance with the City standards.
- The condition of the private side water services were noted to be 19mm copper water services for each home.
- Lead filter kits were distributed to the residents prior to the completion of the work.

Virtual Trailers

- The next Virtual Trailer No. 14 is scheduled for Thursday, April 11, 2024 at 4 p.m.

Status of Work – Progress Update

Ongoing Work

- All outstanding restoration within the limits of construction is ongoing.
- An overall assessment of impacted trees, sidewalks, sod and road required for restoration due to construction will be reviewed upon completion of underground work and restored to preconstruction conditions.
- A revision to the overall site restoration plan presented during Virtual Trailer No. 8, on October 5, 2023, is being reviewed and will be provided to the Old Mill community, when available.

Old Mill Drive Work Schedule

Key Work	Jan '24	Feb '24	Mar '24	Apr '24	May '24	Jun '24
Open-Cut Excavation Construction						
Construction of Maintenance Hole OD8 and backfilling of the recovery shaft (at Bloor Street)						
Construction of Maintenance Hole OD9 and backfilling (at 5 Old Mill Drive)						
Construction of Maintenance Hole OD10 and backfilling (Front of Green P Parking Lot)						
Construction of local storm sewer from OD10 to OD8						
Construction of storm sewer from OD4 to OD5 (Riverside Drive and Old Mill intersection) and Maintenance Hole OD5 and backfilling located in the Shaft at Riverside Drive						
Construction of the access Maintenance Hole OD6 (37 Old Mill Drive)						
Abandonment of the existing storm sewer between Etienne Brule Park and Riverside Drive.						
Restoration Work						
Old Mill Drive - between Traymore Park and Bloor Street West						
Old Mill Drive - between Riverside Drive to Catherine Street						
Old Mill Drive - Riverside Drive intersection patterned concrete & Traymore Park pathway paving						
Old Mill Drive - between Riverside Drive to Bloor Street West						
Catherine Street - between Old Mill Drive to Old Mill Bridge						
Final Restoration, including Etienne Brule Park, hardscape and softscape restoration throughout the entire construction limits.						

*Please note, timelines are subject to change and community will be notified if any updates are necessary.