

REPORT

Council

Meeting Date: March 25, 2024

FROM: Transportation and Engineering Department

DATE: March 12, 2024

SUBJECT: Lakeshore Road West Detailed Design Project Scope

LOCATION: Lakeshore Road West

WARD: Ward 1

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RECOMMENDATION:

That the scope of the Lakeshore Road West Detailed Design Project be revised as outlined in the report dated March 12, 2024 from the Transportation and Engineering Department.

KEY FACTS:

The following are key points for consideration with respect to this report:

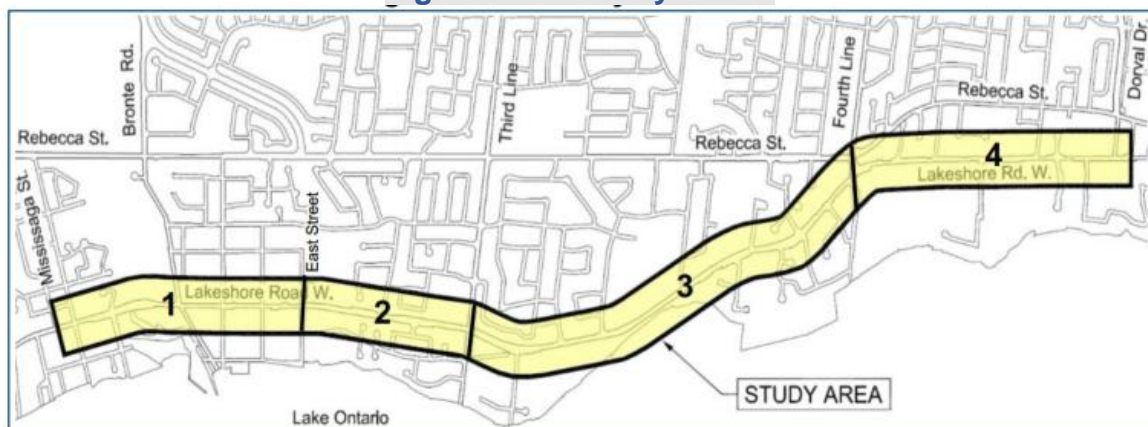
- The project scope for the Lakeshore Road West detailed design project was reviewed based on the following considerations:
 - The recent resurfacing of a portion of Lakeshore Road has improved its asset management and life cycle requirements.
 - The Transportation Master Plan (TMP) will review and recommend any active transportation (AT) network improvements within the corridor.
 - There is urgency to design an improved streetscape and undertake the detailed design in the Bronte area for consideration in the capital budget given the active development applications.
- Following this review, the revised project scope for the Lakeshore Road West Detailed Design includes:
 - Removing the design of the section from the eastern limits of Bronte Village/Bronte Athletic Park to Dorval Drive, deferring these capital improvements indefinitely. The original 4 segments and the new project limits are shown in Figure 3.
 - Proceeding with detailed design of Lakeshore Road West from Mississauga Street to Bronte Athletic Park following the completion of Streetscape Plan for Bronte Village (see Figure 3).

- Completing the design and construction of necessary lifecycle and asset management works for the McCraney Creek bridge and an existing box culvert crossing Lakeshore Road West.

BACKGROUND:

At a Special Council meeting on July 6, 2021, Council considered the staff report ([Lakeshore Road West Class Environmental Assessment Update](#)) to conclude the Lakeshore Road EA and move to the design stage. The study area is shown in Figure 1.

Figure 1: EA Study Limits



Staff were directed to commence detailed design work, with a number of specific design considerations to be included in the scope of work related to trees, private property, multi-use trails, and climate change.

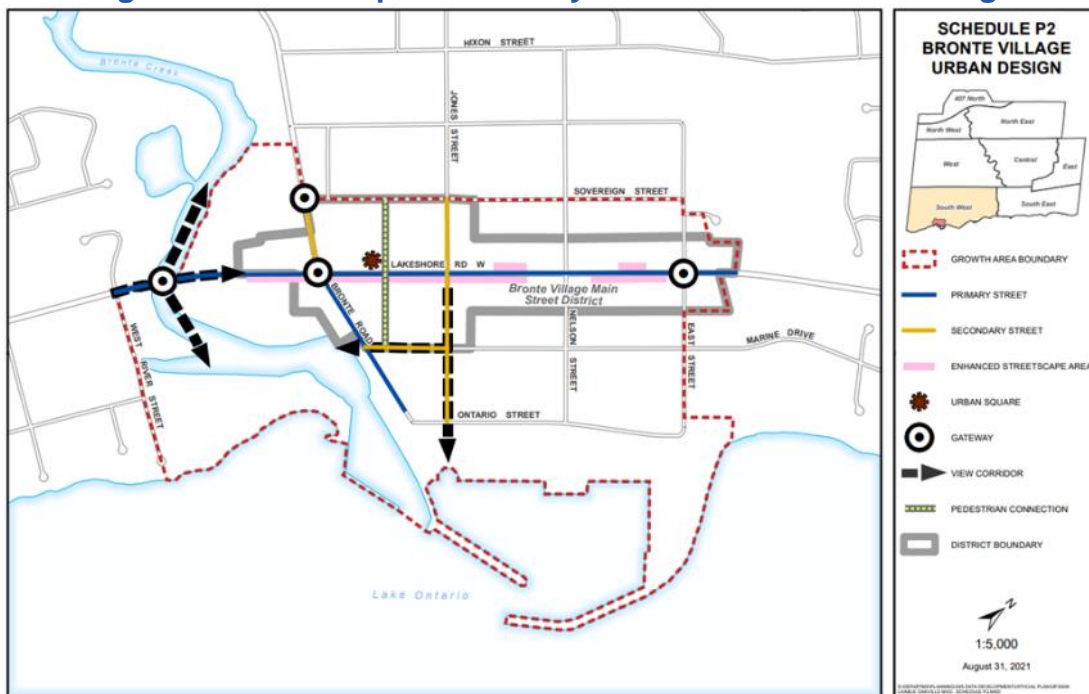
The work plan was presented to Council on [March 27, 2023](#), that included multiple rounds of public engagement (at 30%, 60% and 90% design). The current status is Round 0 is complete, and Round 1 is pending. 100% design completion is planned in 2025, with construction to start in 2026.

The Lakeshore Road West Detailed Design project is impacted by number of factors, including the initiation of streetscape studies, the green infrastructure direction, the ongoing Transportation Master Plan, and asset management needs.

The Kerr Village and Bronte Village Growth Areas streetscape studies will be awarded in Q1 2024 and are expected to be complete in Q2 2025. Geographically, there is some overlap between the Lakeshore Road West detailed design project and the Bronte Village Growth Area streetscape plan limits, from West River Street to approximately Bronte Athletic Park (see Figure 2). The Bronte Village streetscape study will include:

- An inventory of the existing public realm and identifying placemaking opportunities within the Bronte Growth Area (project area denoted by red dashed line in Figure 2).
- A streetscape masterplan depicting the lighting, materials, plantings, furnishings, etc. for the Main Streets and local streets. public consultation
- Recommendations for Right-of-way cross sections that defines lane configuration and AT infrastructure between the curbs, and streetscape and public realm elements on the boulevard.
- Public and stakeholder consultation and engagement.
- Early details on the treatment of the Bronte Market Square are expected to be completed in Q2 2024.

Figure 2: Streetscape Plan Study Limits within Bronte Village



In July and September 2023, as part of the consideration of reports related to the town’s Rainwater Management Financial Plan (under development), Council directed staff to ensure that green infrastructure be the preferred method for managing stormwater, with grey infrastructure only being implemented where necessary. East of the Bronte Village Growth Area, much of the Lakeshore Road West existing corridor has roadside ditches or is without curb and gutters which will require a green infrastructure assessment to be completed as part of the detailed design.

The Transportation Master Plan (TMP) is currently underway. It will include public consultation and is planned to be complete in Q4, 2024. The TMP will review and

recommend overall network requirements for active transportation, including recommendations for Lakeshore Road West.

This eastern section of Lakeshore Road West was also recently resurfaced and there is no imminent need for rehabilitation or reconstruction of the road itself.

In addition to these projects and directions, there is a significant amount of private development planned or ongoing in the Bronte Village Growth Area. By implementing this scope change, detail design efforts can be focused in an active development area to advance the work in Bronte Village quicker than originally planned with the original project scope.

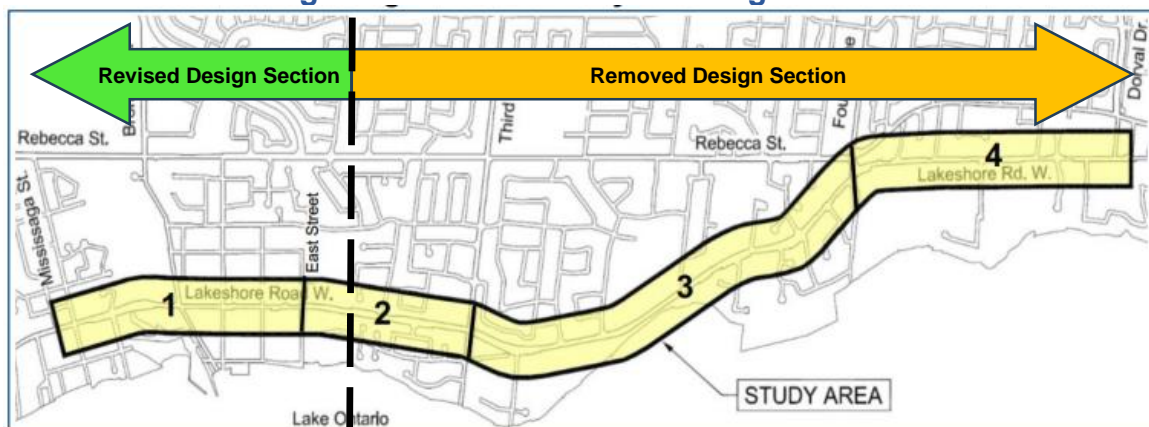
COMMENT/OPTIONS:

Staff reviewed the current Lakeshore Road West detailed design assignment scope with the following considerations, and assessed the need to complete the whole segment under one assignment:

- The recent resurfacing of a portion of Lakeshore has improved its asset management and life cycle requirements, and the only portions of Lakeshore Road West (east of Bronte Athletic Park) requiring infrastructure improvements are the McCraney Creek bridge and a box culvert west of Sandwell Drive.
- The ongoing Transportation Master Plan will review and recommend AT network improvements.
- Given the active development applications, urgency is required to design an improved streetscape and undertake the detailed design in the Bronte area for consideration in the capital budget.

The revised project limits for the Lakeshore Road West detailed design project are depicted in Figure 3.

Figure 3: Revised Detailed Design Limits



Given these considerations, the project scope for the Lakeshore Road West detailed design project will be as follows:

- A. **Detailed Design for Lakeshore Road West (Mississaga Street to the east limit of the Bronte Village Growth Area)** will proceed after the completion of the Bronte Streetscape Plan. Opportunities to add green infrastructure within the urban cross-section of Lakeshore Road West will be reviewed through the detailed design work. The construction timing of this segment will be reviewed annually through the capital budget process.
- B. **Detailed Design of Lakeshore Road West from east of Bronte Village to Dorval Drive be deferred indefinitely**, as there is no immediate need due to the recent resurfacing work and pending recommendations from the TMP on active transportation.
- C. **Design and construction of McCraney Creek Bridge and a Box Culvert crossing Lakeshore Road West, west of Sandwell Drive is required to continue to maintain the state of good repair.** The [McCraney Creek Bridge](#) replacement detail design is independent from the streetscape study and can proceed. For the box culvert crossing on Lakeshore Road West, west of Sandwell Drive, a visual inspection indicated repair is required. Pending completion of a condition assessment, detailed design work will commence. Public consultation for the bridge and culvert design would not be required. There will be public status updates provided during construction, including advance notices of any lane closures or detours required to facilitate the work.

Timeline / Next Steps

The Lakeshore Road West Detailed Design project will proceed with the following revised estimated key milestones:

Location	Design	Construction
McCraney Creek Bridge	Q2 2024 to Q3 2025	Q1 2026 to Q2 2027
Culvert Rehabilitation	Q4 2024 to Q4 2025	Q2 2026 to Q4 2026
Lakeshore Road W (Bronte Village)	Q3 2025 to Q1 2027	Q3 2027 to Q4 2029

The Detail Design assignment typically requires 1.5 years to include the following considerations:

- Obtain detail site conditions from geotechnical to ground water testing.
- Incorporate other Town assets renewal needs to maintain the asset management principle of digging once.
- Incorporate into the recommended streetscape design green infrastructure solution/opportunities.

- Coordinate with utilities on utility relocation/renewal design.
- Coordinate with Halton Region to determine the needs to replace or rehabilitate underground water / wastewater infrastructure.
- Coordinate with adjacent landowners/developers on who constructs what.
- Obtain necessary regulatory approvals.

Following the approval of this report, staff will:

- Launch updated communications, including website updates and contact with stakeholders and residents on the project mailing list, to advise them of the change in scope and timeline for the Lakeshore Road West detailed design project.
 - Detailed design work, within the revised study scope, will resume in Q3 2025 following the completion of the streetscape study.
- Commence work on the design of the McCraney Creek Bridge.

The Lakeshore Road West detailed design team will work closely with the successful proponent of the Streetscape Plans RFP to ensure that the two projects remain coordinated.

Conclusion

The Lakeshore Road West Detailed Design project is one with high public interest. Rescoping the Lakeshore Road West detail design to only focus on Bronte Village, and the two structures (McCraney Creek Bridge and the culvert to the west of Sandwell Drive) while defer detail design of east of Bronte Village to Dorval Drive better aligns with the urgency to improve Bronte streetscape given the active development applications and the forthcoming streetscape study.

CONSIDERATIONS:

(A) PUBLIC

Public engagement will continue to be a part of the Lakeshore Road West Detailed Design through Bronte Village. Further, there will be public engagement opportunities through the forthcoming streetscape study for Bronte Village.

(B) FINANCIAL

Rescoping the Lakeshore Road West detail design project will reduce consulting fees associated with this project.

(C) IMPACT ON OTHER DEPARTMENTS & USERS

Transportation and Engineering is managing the Lakeshore Road West design project. Planning Services is managing the Bronte Village streetscape project. Transportation and Engineering and Planning Services will continue to coordinate moving forward to ensure that the forthcoming public realm

recommendations from the streetscape project for Bronte Village are incorporated into the detail design.

(D) COUNCIL STRATEGIC PRIORITIES

This report addresses Council's strategic priority of Growth Management through the provision of infrastructure to meet the needs of the community.

(E) CLIMATE CHANGE/ACTION

As part of the design process, options will be evaluated based on several criteria including impacts to climate change and the environment as per the direction from Council.

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