



TO:	GENERAL COMMITTEE
SUBJECT:	STATUS UPDATES AND FUNDING REQUESTS FOR VARIOUS INFRASTRUCTURE PROJECTS
WARD:	ALL
PREPARED BY AND KEY CONTACT:	A. KILEY, P. ENG., MANAGER OF LINEAR INFRASTRUCTURE PROJECTS, EXTENSION 4759
SUBMITTED BY:	B. ARANIYASUNDARAN, P. ENG., DIRECTOR OF INFRASTRUCTURE
GENERAL MANAGER APPROVAL:	A. MILLER, RPP, GENERAL MANAGER OF INFRASTRUCTURE AND GROWTH MANAGEMENT
CHIEF ADMINISTRATIVE OFFICER APPROVAL:	M. PROWSE, CHIEF ADMINISTRATIVE OFFICER

RECOMMENDED MOTION

1. That staff be authorized to proceed with project EN1164, Bell Farm Road Right of Way (ROW) Expansion, St. Vincent Street to Duckworth Street in 2020.
2. That staff be authorized to release funding commitments for project 000734 (EN1353) Essa Road and Anne Street Intersection Reconstruction with a 2020 project funding of \$4,486,000 and a 2021 project funding of \$200,000 and defer the project five (5) years as per Council motion 19-G-354.
3. That staff be authorized to release funding commitments for project 000295 (EN1354) Lockhart Road ROW Expansion – Huronia Road to Yonge Street with a 2020 project funding of \$266,000 and a 2021 project funding of \$1,197,500 and defer the project seven (7) years.
4. That the construction phase of project EN1349, Anne Street Watermain Abandonment at Highway 400 be added to the 2020 Capital Plan and an amount of \$664,912 be approved to increase the total approved project budget to \$914,912 and the increase to be funded from the Water Capital Reserve Fund.
5. That staff be authorized to release funding commitments of project EN1294, Watermain Renewal Program, in the amount of \$664,912 with the funds returned to the Water Capital Reserve Fund.

PURPOSE & BACKGROUND

6. The purpose of this report is to report back to Council, per Staff Report EMT007-19 and motion 19-G-354, on the status of the front ending agreement for Huronia/McKay New Trunk sanitary sewer. City staff have engaged the Landowners over the last few months and have not been able to secure a front-ending agreement with the Landowners.
7. The report also provides an update on the three (3) projects that were tentatively deferred in order to facilitate the City's share of the funding of the Huronia/McKay trunk sanitary sewer subject to the front ending agreement. Recommendations with respect to the timing of each of the projects are also outlined.

8. The report also requests additional project funds to fund the construction phase of the Anne Street Watermain Abandonment in order to ensure that construction can be completed prior to work planned by MTO in 2021. The 2019 Capital Plan authorized funds for the design phase, but no funds had been approved for construction.

ANALYSIS

9. Project EN1255, EN1256, EN1257 HURONIA/MCKAY TRUNK SANITARY SEWER

In 2018, the Huronia and McKay sanitary projects were advanced and changed to Developer (D) projects. Motion 19-G-354 of Section "C" of the General Committee Report dated December 2, 2019, approved that EN1255 "Huronia Road New Trunk Sanitary Sewer and Road Replacement - Lockhart to McKay" and EN1256 "McKay Road New Trunk Sanitary Sewer - Highway 400 to Huronia Road" be changed to City Build projects and that, subject to a traditional front ending agreement with the developers related to the majority of the Huronia/McKay new trunk sanitary cost with recovery from hard services only (i.e. water, waste water and road) within the secondary plan area to allow the servicing project to proceed.

Staff were to report back to General Committee with the allocation and funding details once they were known.

Over the last few months, staff have held discussions with the developers to confirm funding details and a traditional front ending agreement with the developers. The proposed funding arrangement would have City and Developer contributions of \$26.5 million and \$31.6 million, respectively for the construction of the sewer. Through these discussions, the Developers have confirmed they are not willing to front end the construction of the sewer. As an interim measure, the Developers are exploring the option of designing and constructing a temporary pump station and forcemains to service their proposed development. All design, construction, and operating costs associated with the temporary option are to be borne by the Developers.

As part of the City's share of the sewer project were to be funded from three projects (EN1164, EN1353 and EN1354) that were deferred, and given that the sewer project is not proceeding at this time, funding associated with the three projects is being restored to the three projects with recommendations as described below.

10. Project EN1164 Bell Farm Road Right of Way Expansion, St. Vincent Street to Duckworth Street

This project is tender ready. The roadway is in very poor condition, infrastructure is at the end of its life and it currently has insufficient accessible pedestrian facilities. Prior to the deferment, construction was scheduled to start in 2020. Staff would like to move forward with tendering in the fall of 2020 with an anticipated start date of March 2021. Tendering this project in 2020 allows for sufficient time to complete contract award and execution, and preconstruction activities such as shop drawings approvals and utility locates before March 2021. It should be noted that the construction associated with Project EN1166, Duckworth Street New Transmission Watermain and ROW expansion, is scheduled to follow the Bell Farm Road ROW Expansion as Bell Farm Road would be used as the detour route.

11. Project 000734 (EN1353) Essa Road and Anne Street Intersection Reconstruction

This project was scheduled to be constructed in 2020. Based on discussions with the Ministry of Transportation (MTO), staff would like to defer this project until after the MTO has constructed the interchange. Deferring the project and constructing the intersection with the remainder of Essa Road reconstruction from Anne Street to Bryne Drive will provide efficiencies through economies of scale and minimize overall traffic impacts within the area during construction.

12. Project 000295 (EN1354) Lockhart Road ROW Expansion – Huronia Road to Yonge Street

This project was scheduled to start pre-design in 2020 and detailed design in 2021. In accordance with Staff Report EMT007-19 and motion 19-G-354 and subject to a front ending agreement for the Huronia/McKay New Trunk sanitary sewer, this project was to be deferred by two (2) years. Staff have reassessed the project criticality in light of new information, and feel it is appropriate to now defer this project by (7) years. The project will be reviewed and assessed in the context of all other capital needs, during preparation of future capital plans.

13. Project EN1349 Anne Street Watermain Abandonment at Highway 400

The detailed design phase of this project was included in the 2019 Capital Plan. Funding for the construction phase of this project was not included in previously approved capital plans. The MTO plans to initiate construction related to the Anne Street Overpass in 2021. The approval of funds for construction is needed to ensure the City can complete the work in advance of the MTO work in 2021. Additionally, the tendering process for construction has been completed and the contract can be awarded, once the funds required for construction are approved.

14. Project EN1294 Watermain Renewal Program

The additional funds in the amount of \$664,912 required for the Anne Street watermain abandonment (EN1349) will be derived from Watermain Renewal Program (EN1294) as the tender planned in 2020 under this program will not be proceeding. Future funding requirements for the Watermain Renewal Program (Project EN1294) will be requested as part of the 2021 Capital Plan.

ENVIRONMENTAL AND CLIMATE CHANGE IMPACT MATTERS

- 15. There are no environmental and climate change impact matters related to the recommendations.**

ALTERNATIVES

16. The following alternatives are available for consideration by General Committee:

Alternative #1

General Committee could choose not to move forward with Bell Farm Road ROW Expansion, St. Vincent Street to Duckworth Street (Project EN1164).

This alternative is not recommended as Project EN1164 is ready for tender, the roadway is in very poor condition, lacks pedestrian facilities and additionally would have an impact on future construction projects that are dependent on its completion.

Alternative #2

General Committee could choose not to defer the Essa Road and Anne Street Intersection Reconstruction (Project EN1353) and the Lockhart Road ROW Expansion - Huronia Road to Yonge Street (Project EN1354).

This alternative is not recommended, as the deferral of Project EN1353 would reduce traffic impacts during construction and the deferral of Project EN1354 would defer capital expenditures and make funds available for other priorities.

Alternative #3

General Committee could choose not to approve the funds for construction for Anne Street Watermain Abandonment.

This alternative is not recommended as delays to the Anne Street project would result in delays to the MTO's work planned for 2021.

FINANCIAL

17. **Project EN1255, EN1256, EN1257 HURONIA/MCKAY TRUNK SANITARY SEWER**

In 2018, the Huronia and McKay sanitary projects were advanced and changed to Developer (D) projects. These projects have prior approvals of \$10,656,368 and an additional request of \$5,430,632 in the 2020 Capital Plan for a total of \$16M. As the construction of this sewer is not progressing as planned, the funds in the 2020 Capital Plan will be released and reforecast to future years in the 2021 Capital Plan.

18. **Project EN1164 Bell Farm Road Right of Way Expansion, St. Vincent Street to Duckworth Street**

The costs associated with EN1164 were included in the 2020 Capital Plan. As the front ending agreement for the Huronia/McKay sanitary sewer were not completed, project funds for this project are available. If this project moves forward there is no financial impact on the 2020 or 2021 Capital Plan.

19. Project 000734 (EN1353) Essa Road and Anne Street Intersection Reconstruction

Release of funding commitments for project 000734 (EN1353) Essa Road and Anne Street Intersection Reconstruction would result in the following adjustments to the reserves:

Funding Source	Current	Proposed	Change
DC Roads Reserve	\$1,914,900	\$0	\$1,914,900
DC Stormwater FMB Reserve	\$617,500	\$0	\$617,500
DC Water Distribution FMB Reserve	\$91,000	\$0	\$91,000
DC Wastewater Collection FMB Reserve	\$422,500	\$0	\$422,500
Tax Capital Reserve	\$1,363,600	\$0	\$1,363,600
Wastewater Capital Reserve	\$227,500	\$0	\$227,500
Water Capital Reserve	\$49,000	\$0	\$49,000
Total	\$4,686,000	\$0	\$4,686,000

20. Project 000295 (EN1354) Lockhart Road ROW Expansion - Huronia Road to Yonge Street

Release of funding commitments for Project 000295 Lockhart Road ROW Expansion – Huronia Road to Yonge Street would result in the following adjustments to the reserves:

Funding Source	Current	Proposed	Change
DC Stormwater FMB Reserve	\$119,000	\$0	\$119,000
DC Roads Annex Reserve	\$107,100	\$0	\$107,100
Tax Capital Reserve	\$39,900	\$0	\$39,900
Total	\$266,000	\$0	\$266,000

21. Project EN1349 Anne Street Watermain Abandonment at Highway 400

The detailed design for the Anne Street Watermain Abandonment at Highway 400 is included in the 2019 approved capital budget. The total budget for the detailed design is \$250,000 and is fully funded from the Water Capital Reserve.

A total project budget of \$914,912 is required to cover all costs associated with the award of the contract, staff time and contingencies. Therefore, an additional \$664,912 is required to move forward with the project.

The current and proposed funding plan for the project EN1349 are shown in the tables below along with the impact of the proposed changes:

Funding Source	Current	Proposed	Change
Water Capital Reserve	\$250,000	\$914,912	\$664,912

22. **Project EN1294 Watermain Renewal Program**

A summary of the changes to the budget for the Watermain Renewal Program (Project EN1294) is provided below.

Project Name	Project	Total Approved Budget	Total Project Cost to Date	Funding to be Returned	Funding Water Capital Reserve
Watermain Renewal Program	EN1294	\$2,377,000	\$1,301,605	\$664,912	\$664,912

LINKAGE TO 2018–2022 STRATEGIC PLAN

23. The recommendation(s) included in this Staff Report support the following goals identified in the 2018-2022 Strategic Plan:

- ☒ Fostering a Safe and Healthy City
- ☒ Building Strong Neighbourhoods
- ☒ Improving the Ability to Get Around Barrie

24. The approvals requested will allow the referenced projects to proceed in a timely manner to facilitate infrastructure renewal, coordination with other projects, and schedule construction based on project criticality. The projects when completed, will help build strong neighbourhoods and improve the ability to get around by improving upon both the condition of our roads, bike lanes and pedestrian facilities. The completion of these projects will also help foster a safe and healthy city by improving storm water runoff, improving the water quality in our creeks and reduce the flood risks, improving community safety.