

## REPORT TO MAYOR AND COUNCIL

<b>PRESENTED:</b>	JUNE 14, 2021 - REGULAR MEETING	<b>REPORT:</b>	21-77
<b>FROM:</b>	ENGINEERING DIVISION	<b>FILE:</b>	5330-24-52
<b>SUBJECT:</b>	BUDGET TRANSFER: GLOVER ROAD SANITARY SEWER FORCEMAIN		

### RECOMMENDATION:

**That** Council authorize a budget transfer, in the amount of \$350,000, to facilitate completion of the Glover Road Sanitary Sewer Forcemain Project between Smith Crescent and Maxwell Crescent as outlined in this report.

### EXECUTIVE SUMMARY:

The need to upgrade and replace certain sections of the existing sanitary sewer system in the Milner area to meet current and future community requirements was identified in 2018.

Specifically, a new sanitary sewer line on Glover Road (provincial Hwy #10) between Smith Crescent and Maxwell Crescent was identified as a priority area that would address capacity concerns, bypass an existing section through private property, avoid system surcharges upstream, and result in long term energy efficiency by replacing a forcemain (pumped section) with a gravity sewer line.

A preliminary estimate of \$180,000 based on a conceptual design was subsequently prepared and included as part of the 2019 budget for Council's approval. With completion of detailed design work, referral was made to external stakeholders including the provincial Ministry of Transportation and Infrastructure (MoTI) and Canadian Pacific Railway Company (CP). The original cost estimate has been updated primarily in response to the requirements imposed by external agencies as part of the approval process, particularly by MoTI. In addition, specific site conditions, revealed through survey and detailed design process, as well as current market conditions have necessitated the revised current estimate. It is currently anticipated that an additional amount of \$350,000 will be required to successfully complete the project.

Accordingly, it is recommended that Council approve the transfer of \$350,000 from the Gloucester Forcemain Replacement Project (SWR1080) to the Glover Road Forcemain Bypass, Smith to Maxwell Project (SWR1122), to allow for completion of the works in the current year.

### PURPOSE:

To obtain Council approval to transfer \$350,000 to the Forcemain Bypass Glover Road, Smith to Maxwell Project (SWR1122) from existing available budget in the Gloucester Forcemain Replacement Project (SWR1080) to facilitate construction in 2021.

**BACKGROUND/HISTORY:**

As part of an engineering modelling review and analysis conducted in 2018, it was determined that sections of the existing sanitary sewer system in the Milner area required upgrades and improvements to meet current and future community needs. The retained engineering consulting firm identified several infrastructure upgrades as areas of high priority, including the existing sewer line along Glover Road (Hwy #10) in the Milner area to address capacity concerns between Smith Crescent and Maxwell Crescent.

The existing system consists of a combination of forcemain and gravity sewer lines, primarily along Glover Road, with a section between Maxwell and Smith Crescents currently located along a statutory right-of-way on private property (refer to Attachment A). This section, along with other laterals and individual service connections upstream of the gravity system at Maxwell and Glover, experienced capacity concerns resulting in periodic system surcharges and were determined to be undersized.

With limited access available along the portion of the public sewer system located on private property within a statutory rights-of-way, a design was prepared to divert a portion of the flows to a more viable location through a new sewer line along Glover Road between Smith Crescent and Maxwell Crescent as shown on Attachment A. The design also considered advantages in reducing long term operating costs associated with eliminating a forcemain (pumped) section of the system and replacing it with a gravity line.

**DISCUSSION/ANALYSIS:**

A budget was prepared for the proposed works and approved by Council as part of the 2019 capital budget in the amount of \$180,000. However, the 2019 budget was based on a conceptual design without the benefit of a survey, detailed design, and input from MoTI which has jurisdiction over Glover Road (Hwy #10).

Subsequently, with design refinements to suit site specific conditions and in obtaining the necessary permit from MOTI, the preliminary cost estimate used for budgetary purposes has had to be revised which also reflects current market conditions and economic realities. Accordingly, it is currently anticipated that an additional amount of \$350,000 would be required to successfully complete the project.

Subject to Council's approval of the budget transfer request, construction can proceed following the normal tender process anticipated to commence as soon as possible with completion of construction projected prior to the end of 2021.

**Financial Implications:**

The current Sewer Capital Works budget for the Glover Road Forcemain Bypass, Smith to Maxwell Project (SWR1122), approved as part of the 2021 budget consists of the original (2019) estimate of approximately \$180,000. In order to complete the project, staff have identified an existing sewer account in the Gloucester Forcemain Replacement Project (SWR1080) which is nearing completion with surplus funding available with no financial implications on the 2021 Budget.

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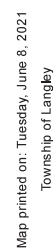
Respectfully submitted,

Harman Uppal  
ENGINEERING TECHNOLOGIST II  
for  
ENGINEERING DIVISION

This report has been prepared in consultation with the following listed departments.

<b>CONCURRENCES</b>	
<b>Division / Department</b>	<b>Name</b>
FINANCE DIVISION	S. Ruff

ATTACHMENT A      Context Map



The data provided is a compilation of geographic information drawn together from a variety of sources, historic and current, and does not necessarily include everything and anything for a particular purpose, and the person utilizing this information does so entirely at their risk as the Township of Langley assumes no obligation or liability for the use of this information by any person and makes no representations or promises regarding the completeness or accuracy of the information or its fitness for a particular purpose.