

<b>To:</b>	Warden Hicks and Members of Grey County Council
<b>Committee Date:</b>	April 11, 2019
<b>Subject / Report No:</b>	TR-CW-10-19
<b>Title:</b>	Award of RFT-TS-03-19 Holstein Bridge 109-353 Replacement
<b>Prepared by:</b>	Matt Marck, Engineering Manager and Sharon Melville, Buyer
<b>Reviewed by:</b>	Pat Hoy, Director of Transportation Services
<b>Lower Tier(s) Affected:</b>	Township of Southgate
<b>Status:</b>	

## Recommendation

1. That Report TR-CW-10-19 containing the tender results for RFT-TS-03-19 Holstein Bridge 109-353 Replacement be received; and
2. That South Shore Contracting of Essex County Inc. be awarded the tender for a total amount of \$1,499,810.00, excluding HST.

## Executive Summary

Bridge 109-353 is located on Grey Road 109 in the Hamlet of Holstein. The existing structure was constructed in 1920 and has reached the end of its service life. The new structure is a precast design and will have an estimated service life of 75 years.

The County acknowledges the replacement of the structure will be disruptive to the community of Holstein as a whole. The disruption to pedestrians will be mitigated by using the Holstein Dam as a pedestrian route around the construction zone. The proposed local road detour will take approximately 7 minutes to navigate from one side of town to the other.

Alternatives to closing the bridge by staging construction were investigated in the initial stages of the project and did not prove to be feasible. The additional cost to try and entertain a staged construction scenario was estimated to be over \$300,000, and would present a serious safety concern with supporting half the new bridge at a time in a very confined working space and introduce instability to the crossing. The consulting engineer indicated they would be hesitant to certify the integrity of the structure with a staged construction process.

The new structure will have a cross section consisting of:

- 8.0 metre asphalt surface made up of two 3.5 metre lanes with 0.5 metre paved shoulders;
- 1.8 metre AODA (Accessibility for Ontarians with Disabilities Act) compliant sidewalk on the west side;

- Architecturally enhanced railings to keep with the heritage significance of the hamlet (schematic attached).

The construction window is slated to take place between July 8, 2019 and October 18, 2019.

It is recommended to award RFT-TS-03-19 to South Shore Contracting of Essex County Inc. for the bid amount of \$1,499,810.00, excluding taxes.

## Background and Discussion

The tender was posted on the Grey County website from February 28, 2019 until March 21, 2019. Only one bid was received as shown below:

### *RFT-TS-02-19 Tender Results*

#	Name of Bidder	Bid Amount (excluding taxes)
1.	South Shore Contracting of Essex County Inc.	\$1,499,810.00

## Legal and Legislated Requirements

None.

## Financial and Resource Implications

### *Project Funding*

Item	Excluding HST	Net HST
Approved Project Budget	\$2,063,679.24	\$2,100,000.00
Tender Award Amount	\$1,499,810.00	\$1,562,206.66
Construction Contingency (25%)	\$374,952.50	\$381,551.66
Total Tender Projected Costs		\$1,943,758.32
Projected Surplus		\$156,241.68

The twenty five percent contingency is considered prudent as the construction of this bridge could run into several variables that may cause unforeseen issues with construction, such as water levels, subsurface conditions and the close proximity of buildings.

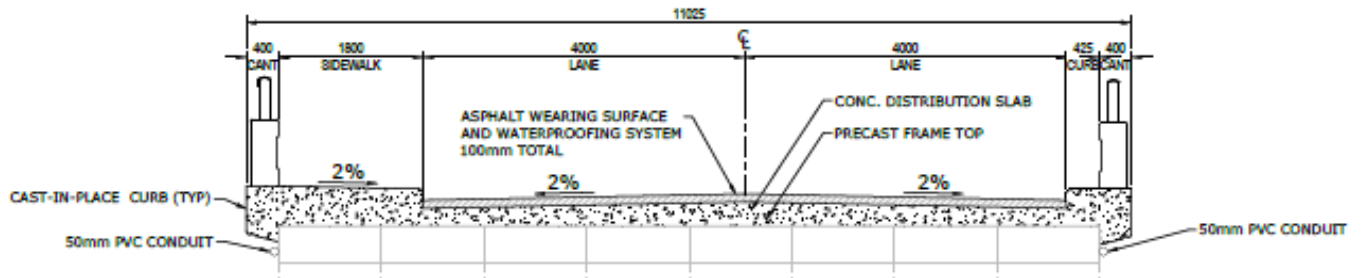
## Relevant Consultation

- Internal  
Finance Department
- External  
Township of Southgate

## Appendices and Attachments

Cross Section and Railing Detail  
Bridge 109-353 Site Location Map

# Cross Section and Railing Detail



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# Bridge 109-353 Site Location Map

