



Report to: General Committee

Report Date: February 22, 2013

SUBJECT:	Award of Tender 005-T-13 Replacement of Two Pedestrian Bridges P014 & P015 and Rehabilitation of Pedestrian Bridge P054
PREPARED BY:	Hossein Sharif, Senior Capital Engineer, Ext. 2382 Prathapan Kumar, Senior Manager, Ext. 2989 Patti Malone, Senior Buyer, Ext. 2239

RECOMMENDATION:

- 1) THAT the report entitled “Award of Tender 005-T-13 Replacement of Two Pedestrian Bridges P014 & P015 and Rehabilitation of Pedestrian Bridge P054 be received;
- 2) AND THAT the contract for tender 005-T-13 Replacement of Two Pedestrian Bridges P014 & P015 and Rehabilitation of Pedestrian Bridge P054 be awarded to the lowest priced bidder, Mopal Construction Ltd. in the amount of \$244,269.79 inclusive of HST impact;
- 3) AND THAT a separate purchase order in the amount of \$25,000.00 inclusive of HST impact be issued for contingency to cover any additional fees and that the Director of Asset Management be authorized to approve expenditure of this contingency amount up to the specified limit in accordance with the Expenditure Control Policy;
- 4) AND THAT the contract for 018-R-11 Consulting Engineering Services related to Contract Administration and Construction Inspection be awarded to the 2nd ranked, lowest priced bidder, G.D. Jewell Engineering Inc. in the amount of \$20,352.00 inclusive of HST impact;
- 5) AND THAT a contingency amount of \$2,000.00 inclusive of HST impact be established to cover any additional contract administration and construction inspection fees and that the Director of Asset Management be authorized to approve expenditure of this contingency amount up to the specified limit in accordance with the Expenditure Control Policy;
- 6) AND THAT staff be authorized to retain a qualified geotechnical consulting firm in accordance with the City’s purchasing by-law to provide geotechnical and materials testing services during construction for an upset limit of \$5,000.00 inclusive of HST impact;
- 7) AND THAT the shortfall of \$109,838.40 inclusive of HST impact, be funded from the Life Cycle Replacement & Capital Reserve;
- 8) AND THAT the award be funded from the Asset Management Capital Projects as identified within the financial considerations section;
- 9) AND THAT staff be authorized and directed to do all things necessary to give effect to this resolution.

PURPOSE:

The purpose of this report is to obtain the Council approval to award the construction tender 005-T-13 Replacement of Two Pedestrian Bridges P014 & P015 and Rehabilitation of Pedestrian Bridge P054.

BACKGROUND:

In meeting the legislative requirement of The Public Transportation and Highway Act-Regulation 104/97, the City implements annual structures inspection program to identify the maintenance and rehabilitation needs to protect and prolong the life of the structures. Since 2004, the City has undertaken regular inspection of the structures. Based on the 2011 inspection program, P014 was identified for replacement and P015 & P054 were identified for rehabilitation.

P014 & P015: These two pedestrian bridges are located in John Button Park north of Applecreek Blvd, west of Rodick, crossing Apple Creek. Both pedestrian bridges are of 6 meters span. During the September 2012 storm, P014 was uplifted and P015 was sub-merged.

Pedestrian Bridge P054: This pedestrian bridge is located in Swan Lake Park Trail, 100m east of Williamson Road. Minor rehabilitation work needs to be carried out.

Bid Information:

Advertised	ETN
Bids closed on	February 1, 2013
Number picking up bid documents	25
Number responding to bid	17

Detailed Pricing Information:

	Company	Price
1.	Mopal Construction Ltd.	\$244,269.79
2.	Bronte Landscape	\$264,335.95
3.	Hawkins Contracting	\$303,296.19
4.	All Services Inc.	\$308,882.30
5.	Serve Construction	\$312,554.31
6.	2274084 Ontario/GMP Contracting	\$314,452.65
7.	Spectre Construction	\$323,731.42
8.	MTM Landscaping	\$355,814.02
9.	Dynaform	\$367,930.00
10.	Hollingworth Construction	\$375,176.60
11.	Pine Valley Enterprises	\$390,163.10
12.	All Trade Industrial	\$400,835.50
13.	Rankine Construction	\$409,011.09
14.	Dig-Con International	\$416,317.98
15.	Miwel Construction	\$436,348.48
16.	Montgomery	\$457,203.50
17.	Bridgecon Construction	\$479,503.65

Note: Prices are inclusive of HST impact and have been verified for accuracy and compliance with the tender terms and conditions.

OPTIONS/ DISCUSSION:

The original capital funding request 058-6150-11342-005 Rehabilitation of John Button Pedestrian Bridge (P014) was approved in the amount of \$214,200 and 058-6150-11343-005 Bridge & Culvert Improvement (P015, P054, C039, C056 & C075) was approved in the amount of \$190,700 with \$20,400 allocated for P015 and \$15,300 allocated for P054.

G.D. Jewell Engineering completed detailed condition survey and hydraulic study in March 2012, which identified that both pedestrian bridges P014 & P015 need to be replaced with a longer span (15.5m) to prevent submergence of these bridges during frequent small storm events. The shortfall is mainly due to P015. As per original 2011 funding request, this bridge was intended for rehabilitation. However, to prevent frequent flooding and as per the TRCA requirement, P015 will be replaced with a longer span (15.5m) bridge.

Through RFP 018-R-11, G.D Jewell Engineering Inc. was the 2nd ranked, lowest priced bidder. Stage 1- Detailed Condition Survey/Preliminary Design and Stage 2 - Detail Design works have been completed. Pricing for Stage 3 - Contract Administration and Construction Inspection services is \$3,256.32 (inclusive of HST impact) per workweek, based on full time inspection (8 hours/day), and part-time contract administration. However, for this project, only part-time contract administration and construction inspection will be required (25 hours/week) for 10 weeks, which is equivalent to \$20,352.00 (\$2,035.20/workweek).

The construction timing will be from July 1st – Sept 15th during the allowed TRCA/MNR fisheries time window. There will be no disturbance to pedestrian movement on P014 during the construction as the new structure will be installed on a new pathway. For replacement of P015, the pathway will be closed for 8 weeks during the construction. The pathway for P054 will be closed for only 2-3 days. Prior to construction, area residents will be notified of the construction.

FINANCIAL CONSIDERATIONS AND TEMPLATE:

The following table summarizes the financial considerations for this report.

Original Budget and Account #	\$214,200.00 \$190,700.00	058-6150-11342-005 Replacement of John Button Park Pedestrian Bridge P014 058-6150-11343-005 Bridge & Culvert Improvement (P015, P054, C039, C056 & C075)
Budget Available for this Project	\$154,493.07 \$32,290.32	058-6150-11342-005 058-6150-11343-005 (for bridges P015 & P054)
Total Budget Available (A)	\$186,783.39	
Less: Construction Cost	\$244,269.79	} Awarded to Mopal Construction Ltd. (005-T-13)
Less: Construction Contingency	\$25,000.00	
Less: Contract Administration and Const. Inspection Services	\$20,352.00	} Awarded to G. D. Jewell Engineering Inc. (018-R-11)
Less: Contract Administration Contingency	\$2,000.00	
Less: Geotechnical Services during construction	\$5,000.00	
Total Costs (B)	\$296,621.79	
Budget Short Fall (A-B)	(\$109,838.40)	*

Note: Figures above include HST impact.

The total construction cost of \$296,621.79 will be funded from capital accounts 058-6150-11342-005 & 058-6150-11343-005. The shortfall of \$109,838.40 will be funded from the Life Cycle Replacement & Capital Reserve due to the change in scope of work (replacement in lieu of rehabilitation for P015).

HUMAN RESOURCES CONSIDERATIONS:

Not applicable.

ALIGNMENT WITH STRATEGIC CONSIDERATIONS:

The proposed replacement of Two Pedestrian Bridges P014 & P015 and Rehabilitation of Pedestrian Bridge P054 are in line with City's goal to provide better quality services and safe access to the public.

BUSINESS UNITS CONSULTED AND AFFECTED:

The Finance Department has been consulted, provided input and reviewed this report.

RECOMMENDED BY:

26/02/2013

2/25/2013

X 

X 

Gary Adamkowski
Director, Asset Management

Brenda Librecz
Commissioner, Community & Fire Services

ATTACHMENTS: [Attachment "A" – Key Plan](#)