



Report to: Development Services Committee

Date Report Authored: March 10, 2011

SUBJECT: Request for Proposal 139-R-10 for Detailed Design of Highway 404 Northbound Exit Ramp Extension at Major Mackenzie Drive

PREPARED BY: Nehal Azmy, Senior Capital Works Engineer ext. 2197
Alain Cachola, Manager, Capital Works ext. 2711
Robert Slater, Senior Construction Buyer ext. 3189

RECOMMENDATION:

- 1) **THAT** the staff report entitled “Request for Proposal 139-R-10 for Detailed Design of Highway 404 Northbound Exit Ramp Extension at Major Mackenzie Drive” be received;
- 2) **AND THAT** Request for Proposal 139-R-10 for Detailed Design of Highway 404 Northbound Exit Ramp Extension at Major Mackenzie Drive”, be awarded to the highest ranked and 2nd lowest priced bidder, Amec Earth and Environmental in the amount of \$406,248.31 inclusive of HST;
- 3) **AND THAT** funding for the project be provided from the approved Capital accounts nos. 083-5350-7272-005 (Highway 404 Ramp Extension at Major Mackenzie Drive, EA and Design) and 083-5350-9316-005 (Highway 404 Ramp Extension at Major Mackenzie Drive, Design), in the amount of \$406,248.31 inclusive of HST;
- 4) **AND THAT** a contingency in the amount of \$40,624.83, inclusive of HST be established to cover any additional design costs and that the Director of Engineering be authorized to approve expenditures of this contingency amount up to the specified limit in accordance with the Expenditure Control Policy;
- 5) **AND THAT** funding for the contingency be provided from the approved Capital accounts nos. 083-5350-7272-005 (Highway 404 Ramp Extension at Major Mackenzie Drive, EA and Design) and 083-5350-9316-005 (Highway 404 Ramp Extension at Major Mackenzie Drive, Design);
- 6) **AND THAT** report entitled “Award of Contract 139-R-10 Detailed Design of Highway 404 Northbound Exit Ramp Extension at Major Mackenzie Drive” be brought forward to the April 5, 2011 Council meeting;
- 7) **AND THAT** staff be authorized and directed to do all things necessary to give effect to this resolution.

PURPOSE:

To award the contract for the detailed design of the Highway 404 Northbound Exit Ramp Extension at Major Mackenzie Drive.

BACKGROUND:

The Town of Markham has been experiencing significant population and employment growth for a number of years which is placing increased demand on the existing transportation network. The lands bound by Highway 404, Major Mackenzie Drive, Woodbine Avenue and Elgin Mills Road are currently under development (i.e. Cathedral Community). Anticipated growth and traffic demand in the Cathedral Community, particularly the Business Corridor in the vicinity of the Highway 404 and Major Mackenzie Drive interchange, will lead to future congestion concerns in the area.

To accommodate these future traffic issues the Town of Markham has undertaken a Municipal Class Environmental Assessment for the Highway 404 Northbound Ramp Extension at Major Mackenzie Drive which was officially completed on October, 2009. The Class EA recommended that the Highway 404 northbound exit ramp be extended north of Major Mackenzie Drive to Markland Street as shown in **Attachment 'A'**.

The Town of Markham is now in a position where the detailed design of the ramp extension can be completed with the intention to start construction in 2013/2014.

BID INFORMATION:

Advertised	ETN
RFP closed on	December 17, 2010
Number picking up bid documents	14
Number responding to bid	4

PROPOSAL EVALUATION:

The Evaluation Team was comprised of staff from the Engineering Department with Purchasing staff acting as the facilitator. The evaluation was evaluated based on pre-established evaluation criteria as listed in the Request for Proposal: 20% qualification and past experience of the firm; 20% understanding of the project; 30% project management and delivery and 30% price totaling 100%.

Company	Score	Ranking
AMEC Earth and Environmental	121.11*	1
Morrison Hershfield	119.84*	2
Lea Consulting Ltd.	69.58	3
AECOM Canada Ltd.	68.51	4

* The two (2) top ranked firms after initial evaluation received interviews which were scored out of 35 points. As identified within section 22 of the bid document, the Town has the right to shortlist Bidders for further evaluation and interviews, which may alter the final scoring results. The purpose of the interview was to provide the evaluation team with an opportunity to obtain clarifications, allow the bidders to respond to questions and provide a presentation from the bidders to the evaluation team

Note: Prices ranged for submissions from \$403,197.54 to \$651,649.67, inclusive of HST.

The initial evaluation of the technical criteria ranked Morrison Hershfield and AMEC Earth and Environmental as almost identical scores and prices received being very much comparable (i.e. .007% or \$3k differential).

Based on the closeness of the scoring staff exercised its option to interview both consultants. Interviews were evaluated and scored against pre-determined criteria and scored out of 35 points. The interview process allowed staff to further evaluate the proponents and AMEC Earth and Environmental during the interview displayed a better understanding, interpretation and relayed a better methodology of these project requirements

FINANCIAL CONSIDERATIONS AND TEMPLATE:

The total cost of this detailed design project as follows:

Item	Cost (Including HST)
Detailed Design Fees	\$406,248.31
Detailed Design Contingency (10%)	\$40,624.83
Total including Contingency:	\$446,873.14
Engineering Department Admin Fee (12.0%)	\$53,624.78
Total Project Cost:	\$500,497.92

The funding for this detailed design project will be from the Capital accounts nos. 083-5350-7272-005 (Highway 404 Ramp Extension at Major Mackenzie Drive, EA and Design) and 083-5350-9316-005 (Highway 404 Ramp Extension at Major Mackenzie Drive, Design).

Account #	Current Budget Available	Cost of award	Budget Remaining after this award
083-5350-7272-005	\$224,353.36	\$224,353.36	\$0.00
083-5350-9316-005	\$526,000.00	<u>\$276,144.56</u>	\$249,855.44*
		\$500,497.92	

* The remaining balance will be returned to the original funding source upon award of the contract.

HUMAN RESOURCES CONSIDERATIONS

“Not Applicable”

ALIGNMENT WITH STRATEGIC PRIORITIES:

The Highway 404 northbound ramp extension at Major Mackenzie Drive will improve the level of service on the area bounded by Highway 404, Major Mackenzie Drive, Woodbine Avenue and Elgin Mills Road.

This project is in line with the Town of Markham’s strategic focus relating to Growth Management, Transportation/Transit, Safety, the Environment and Municipal Services.

BUSINESS UNITS CONSULTED AND AFFECTED:

The Finance Department have been consulted and their comments have been incorporated.

RECOMMENDED BY:

Alan Brown, C.E.T.
Director of Engineering

Jim Baird, M.C.I.P, R.P.P.
Commissioner of Development Services

ATTACHMENTS:

Attachment 'A' - Preferred alignment for Highway 404 Northbound Ramp Extension at Major Mackenzie Drive.