

Clause 3 in Report No. 10 of Committee of the Whole was adopted, without amendment, by the Council of The Regional Municipality of York at its meeting held on June 29, 2017.

3

Consultant Services for Site Coordination and Inspection
Services for Major Mackenzie Drive Improvements from Two
Kilometres West of Highway 27 to Islington Avenue, City of
Vaughan

Committee of the Whole recommends adoption of the following recommendations contained in the report dated May 29, 2017 from the Commissioner of Transportation Services:

1. Council authorize the award of contract for Site Coordination and Inspection Services for Major Mackenzie Drive (Y.R. 25) improvements, from two kilometres west of Highway 27 (Y.R. 27) to Islington Avenue (Y.R. 17), pursuant to Request for Proposal P-17-43 to KiHL Construction Management Ltd., at a total cost of \$2,471,024, excluding HST, and authorize the Commissioner of Transportation Services to execute the contract on behalf of the Region.
2. Council authorize the Commissioner of Transportation Services to extend the contract and increase the total cost in the event the duration of construction is formally extended by the Region, by an amount of up to \$20,000 per each extended contract week, excluding HST, provided that the consultant has performed the services to the satisfaction of the Commissioner and the total cost is within the Capital Spending Authority for this project.

Report dated May 29, 2017 from the Commissioner of Transportation Services now follows:

Consultant Services for Site Coordination and Inspection Services for Major Mackenzie Drive Improvements from Two Kilometres West of Highway 27 to Islington Avenue City of Vaughan

1. Recommendations

It is recommended that:

1. Council authorize the award of contract for Site Coordination and Inspection Services for Major Mackenzie Drive (Y.R. 25) improvements, from two kilometres west of Highway 27 (Y.R. 27) to Islington Avenue (Y.R. 17), pursuant to Request for Proposal P-17-43 to KiHL Construction Management Ltd., at a total cost of \$2,471,024, excluding HST, and authorize the Commissioner of Transportation Services to execute the contract on behalf of the Region.
2. Council authorize the Commissioner of Transportation Services to extend the contract and increase the total cost in the event the duration of construction is formally extended by the Region, by an amount of up to \$20,000 per each extended contract week, excluding HST, provided that the consultant has performed the services to the satisfaction of the Commissioner and the total cost is within the Capital Spending Authority for this project.

2. Purpose

This report seeks Council authorization to enter into a contract with KiHL Construction Management Ltd. for site coordination and inspection services for Major Mackenzie Drive improvements, from two kilometres west of Highway 27 to Islington Avenue, in the City of Vaughan. The project location is shown in Attachment 1.

In accordance with the Region's Purchasing Bylaw, Council authorization is required when a Request for Proposal (RFP) has been issued and the recommended price is more than \$2,000,000.

3. Background

The approved Western Vaughan Individual Environmental Assessment recommended widening Major Mackenzie Drive from Highway 50 to Highway 400 as one of the near-term projects

The Western Vaughan Individual Environmental Assessment was approved in July 2012. One of the key recommendations of the Western Vaughan Individual Environmental Assessment was widening Major Mackenzie Drive from Highway 50 to Highway 400 to six lanes, with curb lanes dedicated as Transit/High Occupancy Vehicle. Therefore, the reconstruction of Major Mackenzie Drive from Highway 50 to Highway 400 is included in the Region's current 10-Year Roads and Transit Capital Construction Program.

The section of Major Mackenzie Drive from two kilometres west of Highway 27 to Islington Avenue will be tendered in fall 2017

Detailed design, property acquisition and utility relocation activities for Major Mackenzie Drive improvements, from two kilometres west of Highway 27 to Islington Avenue, are nearing completion. The expected tender date for this section of work is fall 2017.

The improvements on this section of Major Mackenzie Drive include the construction of a six-lane urban roadway with illumination, multi-use path, sidewalk, curb and storm sewers. This project also includes a bridge over the Canadian Pacific Railway tracks, a 150 metre-long bridge over the Humber River, watermain, large culverts, creek realignment and reconstruction of the Highway 27 intersection. The estimated construction value is approximately \$60 million and is expected to take three to four years to complete.

The Region is coordinating the Major Mackenzie Drive project with The Ontario Ministry of Transportation Highway 427 project

The Ontario Ministry of Transportation (MTO) will be constructing an extension of Highway 427, from Highway 7 to Major Mackenzie Drive. MTO's project includes an interchange and the reconstruction of Major Mackenzie Drive through the Highway 427 corridor. The west limit of the Region's Major Mackenzie Drive project aligns the east limit of MTO's Highway 427 project. The Region and MTO are coordinating the design and construction of their respective projects, which will be under construction simultaneously with a targeted completion date in 2021.

Consultant Services for Site Coordination and Inspection Services for
Major Mackenzie Drive Improvements from Two Kilometres West of Highway
27 to Islington Avenue City of Vaughan

The construction work under this assignment will be coordinated with work undertaken by Kleindor Developments Inc.

Existing Major Mackenzie Drive is a two-lane road and is well-travelled. The area adjacent to the project is developing rapidly and many residents have already moved in. There will be a need for co-ordination with adjacent developers and continuing communication with residents and stakeholders.

Within the limits of this project, Kleindor Developments Inc. will be undertaking some construction on behalf of the Region. This work includes the construction of a portion of a detour and a storm water management pond. This arrangement will be outlined later in a separate Council report.

Supplementing internal construction staff resources with external staff is necessary when the number of construction projects are too many to manage internally

The scope of the proposed work will require significant staff resources to ensure the construction work is completed to Regional standards and specifications. Due to the number of construction projects currently underway and planned for 2017 and 2018, existing internal staff resources will not be adequate to manage this project. A team of staff is required to manage this large and complex project with an estimated cost of \$60 million. It is therefore proposed that an external professional consulting service provider be engaged to provide the staffing resources necessary to inspect and manage this construction project.

4. Analysis and Implications

The Region issued a Request for Proposal for site coordination and inspection services

Supplies and Services Branch issued an RFP (P-17-43) on the Region's website and Bidding on February 23, 2017. The RFP was open to any qualified proponents and seven firms submitted proposals:

Consultant Services for Site Coordination and Inspection Services for Major Mackenzie Drive Improvements from Two Kilometres West of Highway 27 to Islington Avenue City of Vaughan

- KiHL Construction Management Ltd.
- Aecom Canada Ltd.
- Morrison Hershfield Ltd.
- MMM Group Ltd.
- Highway Construction Inspection Ontario Inc.
- Noveen Engineering Inc.
- Civil Arsa Engineering Inc.

Proposals were evaluated using a two-envelope system with a weighting of 80 per cent for the technical component and 20 per cent for the financial component. The proponents had to achieve a minimum score of 48 points out of 80 to proceed to the next step and have their financial envelopes opened. Only three firms met this criterion.

The proposals were evaluated in accordance with Regional policy, bylaws and practices. The proponents, their technical and financial scores and proposed upset limit fees, are shown in Table 1.

**Table 1
Evaluation Summary**

Firm	Technical Score (80%)	Financial Score (20%)	Total Score (100%)	Upset Limit Fee (excluding taxes)
KiHL Construction Management Ltd.	53.16	20.00	73.16	\$2,471,024.00
Aecom Canada Ltd.	57.48	14.80	72.28	\$3,339,261.02
Morrison Hershfield Ltd.	52.71	13.95	66.66	\$3,543,326.00

Consultant Services for Site Coordination and Inspection Services for
Major Mackenzie Drive Improvements from Two Kilometres West of Highway
27 to Islington Avenue City of Vaughan

The proposal from KiHL Construction Management Ltd. achieved the highest total score in response to RFP P-17-43

The proposal from KiHL Construction Management Ltd. achieved the highest overall score and had the lowest upset limit fee relative to the other proponents.

All firms submitted proposals based on a common set of defined tasks and hours allocated to each task. The cost variance can be attributed to KiHL's lower hourly rates for a number of key staff.

5. Financial Considerations

The total upset limit fee of \$2,471,024 will be funded from 90 per cent development charges and 10 per cent tax levy

The upset limit fee submitted by KiHL Construction Management Ltd. for site coordination and inspection services is \$2,471,024, excluding HST. The fee includes recovery from the City of Vaughan for a portion of work completed on their behalf.

The assignment for site coordination and inspection services will be coordinated with the duration of the construction contract. Occasionally, the duration of the construction contract is formally extended by the Region to address construction delays due to factors such as utility conflicts, or need to coordinate work with others to meet health and safety requirements. Should the actual duration of the contract be formally extended beyond the time specified in the contract documents, it is recommended the Commissioner of Transportation Services be authorized to increase the total upset limit cost by an amount up to \$20,000 per each extended contract week, excluding HST, provided the consultant has performed the services to the satisfaction of the Commissioner and the total upset limit cost is within the Capital Spending Authority for this project.

The unit price per contract week has been determined by calculating the cost of a representative work week during the construction period, based on estimated hours, hourly staff rates and disbursements.

Site coordination and inspection costs for this project have been included in the 2017 10-Year Capital Budget, and the upset limit is within the approved 2017 Capital Spending Authority. All expenditures for this project will be funded from 90 per cent development charges and 10 per cent tax levy.

6. Local Municipal Impact

Road improvements to Major Mackenzie Drive, from two kilometres west of Highway 27 to Islington Avenue, will address the rapid pace of development and growth in traffic volumes in the area. The west limit of this project will connect to the proposed Highway 427 Extension project, which the Ministry of Transportation anticipates starting construction in 2017.

Throughout the course of this assignment, Regional staff will work with staff from the City of Vaughan and the Ministry of Transportation to address any local municipal requirements.

7. Conclusion

Proposals from seven professional consulting services firms for the provision of site coordination and inspection services were evaluated in accordance with Regional policy, bylaws and practices. The proposal submitted by KiHL Construction Management Ltd. achieved the highest total score and offers the best overall value to the Region.

It is recommended the contract for site coordination and inspection services for Major Mackenzie Drive, from two kilometres west of Highway 27 to Islington Avenue, be awarded to KiHL Construction Management Ltd., as the successful proponent under RFP P-17-43 for a total cost of \$2,471,024.

The assignment for site coordination and inspection services will be coordinated with the duration of the construction contract. Should the actual duration of the construction contract be formally extended by the Region to address construction delays, it is recommended the Commissioner of Transportation Services be authorized to increase the total cost by an amount of up to \$20,000 per each extended contract week, excluding HST, provided that the consultant has performed the services to the satisfaction of the Commissioner and the total cost is within the Capital Spending Authority for this project.

For more information on this report, please contact Salim Alibhai, Director, Capital Planning and Delivery at 1-877-464-9675 ext. 75229.

Consultant Services for Site Coordination and Inspection Services for
Major Mackenzie Drive Improvements from Two Kilometres West of Highway
27 to Islington Avenue City of Vaughan

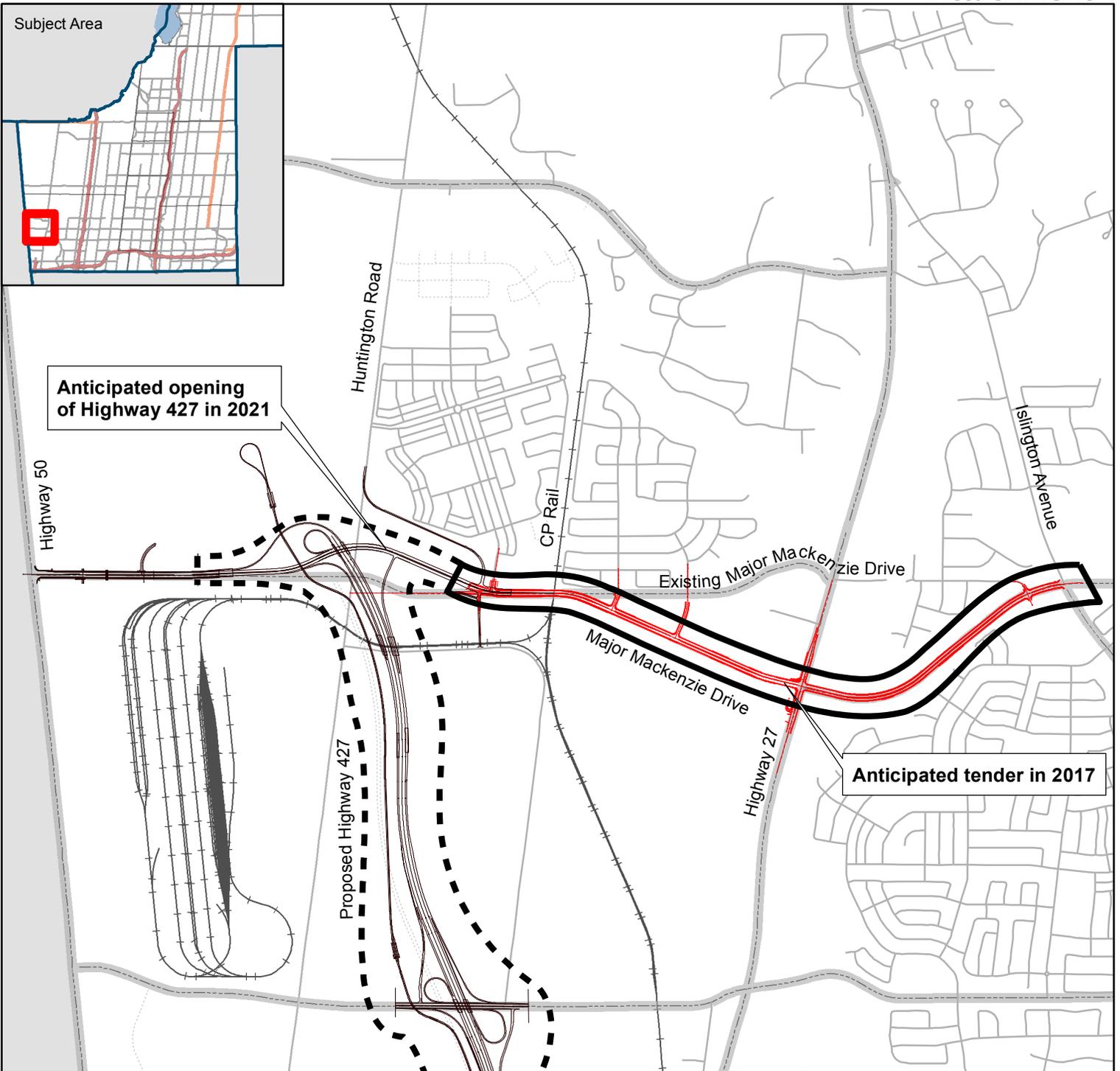
The Senior Management Group has reviewed this report.

May 29, 2017

Attachment (1)

7680576

Accessible formats or communication supports are available upon request



Location Map

Consultant Services for Site Coordination and Inspection Services
 Major Mackenzie Drive from two kilometres west of Highway 27
 to Islington Avenue
 City of Vaughan
 June 15, 2017

Produced by:
 The Regional Municipality of York
 Capital Planning and Delivery, Transportation Services
 May 2017

Data: © Queen's Printer for Ontario 2003-2017

Imagery:
 See York.ca for disclaimer information.

Legend

- Regional Road
- Railway
- Minor Road
- Proposed 6-Lane Road
- Proposed Highway 427

