

Clause No. 6 in Report No. 3 of Committee of the Whole was adopted, without amendment, by the Council of The Regional Municipality of York at its meeting held on February 20, 2014.

## **6**

### **CONSULTANT SELECTION FOR ENGINEERING SERVICES VIVA NETWORK EXPANSION PLAN - SILVER ROUTE CITY OF VAUGHAN AND TOWN OF RICHMOND HILL**

**Committee of the Whole recommends adoption of the following recommendations contained in the report dated January 27, 2014 from the Commissioner of Transportation and Community Planning:**

#### **1. RECOMMENDATIONS**

It is recommended that:

1. Council approve the award of the contract for the detailed design of improvements to key intersections and transit stops along Jane Street (Y.R. 55) and Major Mackenzie Drive (Y.R. 25) as part of the Viva Network Expansion Plan - Viva Silver Route to AECOM Canada Ltd., pursuant to Request for Proposal P-13-164, at a total upset limit cost of \$771,181, excluding HST.
2. The Commissioner of Transportation and Community Planning be authorized to execute the agreement on behalf of the Region.

#### **2. PURPOSE**

This report seeks Council authorization to retain engineering services for the detailed design of improvements to key intersections and transit stops along Jane Street and Major Mackenzie Drive, as part of the Viva Network Expansion Plan - Silver Route initiative in the City of Vaughan and Town of Richmond Hill. A map showing the Viva Network Expansion Plan is attached to this report (*see Attachment 1*).

The Region's Purchasing Bylaw requires Council authorization to award a Request for Proposal over \$500,000 or when the recommended proponent is not the lowest cost. In this case, the recommended proponent has submitted the lowest cost; however, their bid is greater than \$500,000.

### **3. BACKGROUND**

#### **Construction and operation of rapid transit infrastructure is underway across York Region's urban municipalities**

Rapid transit service in York Region opened in stages commencing September 2005. Currently, York Region Transit operates five Viva routes:

- Viva Blue - Yonge Street
- Viva Purple - Highway 7
- Viva Orange - Highway 7 and Jane Street
- Viva Pink - Yonge Street and Highway 7
- Viva Green - Don Mills Road, Warden Avenue and Enterprise Drive

This system is currently operating in two basic formats:

- Mixed Traffic – where the buses operate in existing general purpose and Transit/High Occupancy Vehicle lanes with curbside stations
- Dedicated Rapidways – where the buses operate in the centre of the road in dedicated bus-only lanes

In the summer of 2013, the first of the vivaNext dedicated rapidways opened within the centre median section of Highway 7, between Bayview Avenue and Leslie Street. The remainder of the Metrolinx funded vivaNext network will be delivered through the York Region Rapid Transit Corporation (YRRTC) by 2019.

#### **Rapid transit implementation will continue throughout York Region as planned in the Viva Network Expansion Plan**

The Viva Network Expansion Plan is supplementary to the 2012–2016 York Region Transit Viva five-year plan, and identifies rapid transit services and infrastructure elements that are planned for implementation between 2015 and 2020. The objective of the Viva Network Expansion Plan is to enhance rapid transit service beyond what is currently funded by Metrolinx. This will be achieved by optimizing existing Viva service within dedicated rapidways, and by implementing additional Viva service to increase the connectivity of York Region's rapid transit network.

The Viva Network Expansion Plan is consistent with the rapid transit corridors identified in the Transportation Master Plan. The proposed Viva Network Expansion Plan service initiatives and the Metrolinx funded vivaNext construction program managed by YRRTC are complimentary to each other.

The Viva Network Expansion Plan identifies new rapid transit routes along the Jane Street, Major Mackenzie Drive and Leslie Street corridors. Changes to existing Viva routes are also proposed in the plan (see *Attachment 1*).

The Viva Silver Route is planned to operate in mixed traffic along Jane Street between Highway 7 and Major Mackenzie Drive, and along Major Mackenzie Drive between Jane Street and east of Yonge Street. This new service will connect to existing Viva service, GO train stations, the Spadina subway extension, as well as major trip generators such as Vaughan Mills Mall, Canada's Wonderland, and the Mackenzie Richmond Hill Hospital.

### **The Viva Network Expansion Plan will be funded and delivered by York Region**

To date, the Viva rapid transit system has been primarily funded by Metrolinx and delivered through the YRRTC. This assignment is being funded by the Region and will be delivered by the Transportation and Community Planning Department. YRRTC will provide implementation co-ordination oversight on matters related to engineering and communications as an extension of the collaborative and cohesive relationship maintained across both organizations.

The improvements are similar to the "Quick Start" first phase of rapid transit service that was implemented in York Region, which involved significant improvements to transit service and the supporting technology; however, the works were primarily localized road network infrastructure improvements at key intersections and transit stops.

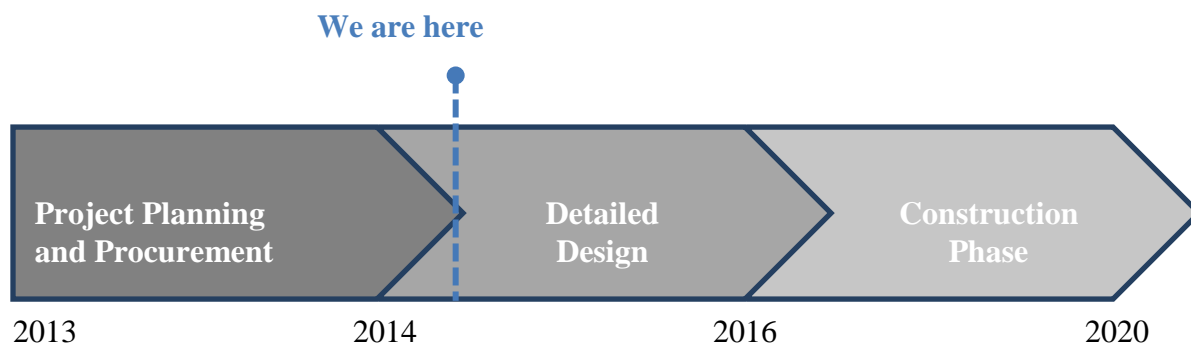
Capital improvements include:

- Building new curbside Viva stations
- Modifying traffic signals
- Upgrading technology for traffic control systems
- Constructing minor road improvements
- Retrofitting intersections to ensure compliance with the *Accessibility for Ontarians with Disabilities Act*

### **Engineering and design services are required to deliver transit improvements for the Viva Silver Route**

Project planning and scoping for the Viva Silver Route started in July 2013 and was completed in September 2013. Procurement started on September 26, 2013 and detailed design is expected to start in March 2014.

In order to meet the needs of the York Region Transit Viva five-year service plan, engineering services in support of the Viva Network Expansion Plan must be procured as soon as possible to allow for the completion of the detailed design, property acquisition and utility relocations in advance of construction.



#### 4. ANALYSIS AND OPTIONS

##### **The Region’s standard process for procuring engineering services through a Request for Prequalification and Request for Proposal was followed**

The Region’s standard process for procuring engineering services through a Request for Prequalification and Request for Proposal was followed, and included the following phases:

- Issue Request for Prequalification
- Evaluate prequalification submissions
- Issue Request for Proposals to prequalified proponents
- Evaluate the proposals using a two-envelope system
- Combine technical and financial scores to achieve a total score
- Select the highest total score

The Supplies and Services Branch facilitated the procurement and issued a Request for Proposal seeking detailed design and engineering services for the Viva Network Expansion Plan – Silver Route project from the top three scoring prequalified proponents. The two-envelope system requires the technical proposal and the financial proposal be submitted in two separate envelopes. The proposals were evaluated based on a weighting of 80 per cent for the technical component and 20 per cent for the financial component.

The proponents, their technical scores and proposed upset limit fees are presented in Table 1.

**Table 1**  
 Evaluation Summary

<b>Firm</b>	<b>Technical Score (out of 80)</b>	<b>Upset Fee (Excluding HST)</b>	<b>Financial Score (out of 20)</b>	<b>Total Score (out of 100)</b>
AECOM Canada Ltd.	60.3	\$771,181	20.0	80.3
IBI Group Ltd.	57.4	\$830,799	18.6	76.0
LEA Consulting Ltd.	47.3	\$1,463,283	10.5	57.8



### **The proposal from AECOM achieved the highest total score with the lowest upset fee in response to the Request for Proposal**

The proposal from AECOM Canada Ltd. (AECOM) received the highest technical score and had the lowest fee. Accordingly, their proposal represents the best overall value to the Region and it is recommended that AECOM be engaged to undertake detailed design services for improvements to key intersections and transit stops along Jane Street and Major Mackenzie Drive as part of the Viva Network Expansion Plan - Viva Silver Route initiative in the City of Vaughan and Town of Richmond Hill.

#### **Link to key Council-approved plans**

The Viva Network Expansion Plan is consistent with the rapid transit corridors identified in the Transportation Master Plan. The Viva Network Expansion Plan initiatives will increase transit ridership, decrease transit travel time, improve schedule reliability and increase transit network connectivity.

The Viva Network Expansion Plan also aligns with the 2011 to 2015 Strategic Plan goal to “*continue to deliver and sustain critical infrastructure*” and meets the following specific objectives:

- Continue to prioritize new capital infrastructure projects to support managed growth and optimize community benefits
- Identify and leverage capacity available in existing infrastructure to complete the build-out of developing communities
- Improve mobility for users on Regional transportation corridors

## **5. FINANCIAL IMPLICATIONS**

The upset limit fee for the detailed design assignment is \$771,181, excluding HST. There is sufficient Capital Spending Authority in the 2014 Roads Capital Budget to fund anticipated expenditures for this project in 2014 and 2015. These expenditures will be funded 90 per cent from development charges and 10 per cent from tax levy.

## **6. LOCAL MUNICIPAL IMPACT**

Staff will consult with all stakeholders on issues that arise throughout the detailed design phase, including property acquisitions, utility relocations, regulatory permit requirements, local municipality requirements, local road connections and traffic and pedestrian management during construction.

Throughout the course of this assignment, Regional staff will work with staff from the City of Vaughan and Town of Richmond Hill to address local municipal requirements.

## **7. CONCLUSION**

The Viva Network Expansion Plan is approved as part of the 2014 - 10 Year Roads Construction Program. The Viva Silver Route is part of the Viva Network Expansion Plan. This report seeks Council authorization to engage engineering services to undertake improvements to key intersections and transit stops as part of the Viva Silver Route.

For more information on this report, please contact Brian Titherington, Director, Roads, at ext. 75901.

The Senior Management Group has reviewed this report.

*Attachment (1)*

VIVA NETWORK EXPANSION SYSTEM

**Legend**

- Proposed Bicycle Parking Facilities
- Wheelchair Accessible
- Proposed Park 'n' Ride Parking Structure
- Park 'n' Ride Surface Parking
- GO Train Station
- Major Bus Terminal
- Subway Station
- Potential vivastations
- Viva blue / blue 'A' (current)
- Viva green (2018)
- Viva pink (2018)
- Viva purple (2018)
- Viva yellow (2015)
- Viva orange (2019)
- Viva silver (2019)
- Spadina Subway Extension
- Funded Rapidway
- Viva Route Changes

