

memorandum



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Item # - 1 Report # - 14
Special Council - December 13/16

DATE: December 6, 2016

TO: Mayor and Members of Council

FROM: Daniel Kostopoulos, City Manager
Jack Graziosi, Director of Infrastructure Delivery

**RE: COMMUNICATION
FINANCE, ADMINISTRATION AND AUDIT COMMITTEE – November 28, 2016
DRAFT 2017 BUDGET AND 2018 PLAN
CAPITAL PROJECT ID-2038-17 – INTERSECTION IMPROVEMENTS AT
JANE STREET AND AVRO ROAD
WARD 1**

Recommendation

The City Manager and the Director of Infrastructure Delivery recommend:

1. That this communication be received.

Economic Impact

The total estimated cost for Capital Project ID-2038-17 – Intersection Improvements at Jane Street and Avro Road, including the preliminary and detailed design, geotechnical investigation works and construction, are \$878,100. The costs of the intersection improvements are to be appropriately apportioned between the City and the Region as outlined in the trilateral agreement between the City, the Regional Municipality of York, and Cedar Fair for this project.

TABLE 1: PROJECT SUMMARY - ID-2038-17	
	\$
Contractors	700,000.00
Consultants	75,000.00
Contingency Amount (10%)	77,500.00
Sub-Total	852,500.00
Administration Recovery (3%)	25,600.00
TOTAL AMOUNT	878,100.00

Communications Plan

Once a detailed scope of work is defined, newsletters will be provided to all affected property owners advising them of the project and the next steps.

Purpose

The purpose of this communication is to provide additional information regarding Capital Project ID-2038-17 – Intersection Improvements at Jane Street and Avro Road, submitted as part of the Draft 2017 Budget and 2018 Plan, as requested at the meeting of the Finance, Administration and Audit Committee held on November 28, 2018.

Background - Analysis and Options

Development of the Vaughan Healthcare Centre and the Mackenzie Vaughan Hospital site was conditional on municipal road connections and municipal servicing solutions being completed

The City of Vaughan acquired a 33.2 ha (82 acres) parcel of land on the northwest quadrant of Major Mackenzie Drive and Jane Street for an urban Vaughan Healthcare Centre (VHC) and 2 ha (5 acres) parcel south of Major Mackenzie Drive, as a potential future transit hub.

Council approved the final Vaughan Healthcare Precinct Plan in November 2013. This plan identified the site (Block 2) for the new Mackenzie Vaughan Hospital (MVH) within the VHC, and proposed an integrated infrastructure network of roads, stormwater, water and wastewater servicing needs that will serve both the future MVH block and the remaining developable lands.

The lands within the VHC were encumbered with historic road infrastructure serving as access and egress for Canada's Wonderland (Cedar Fair). For orderly development of the VHC and of the MVH site, new municipal infrastructure was constructed. The first stage of the infrastructure was constructed as part of tender T14-072, and included a new road network to modify access/egress to Canada's Wonderland, as well as new traffic signals at Major Mackenzie Drive (Attachment 1).

The trilateral agreement between the City, the Regional Municipality of York and Cedar Fair, required that the new road network for access/egress to Canada's Wonderland provide the same level of service as the historic road infrastructure

The Replacement Access Agreement (Agreement) is a trilateral agreement between the City, the Regional Municipality of York, and Cedar Fair that sets out the obligations of the three parties for the final resolution of issues arising from the purchase, in April 2009, and access to the lands for the future Vaughan Healthcare Centre. At that time, Cedar Fair acknowledged the City's objective of entering into a ground lease with Mackenzie Heath to facilitate timely development of the hospital construction.

The Agreement prescribed specific conditions that needed to be satisfied in order to release easements on the lands that would enable the City to proceed with the construction of the proposed infrastructure network. An important element in the Agreement required that following completion of additional operational adjustments at existing road intersections surrounding Canada's Wonderland (timing modifications and implementation of new responsive signal control technology undertaken by the Region) and the construction of a new intersection and loop ramp at Major Mackenzie Drive and Amusement Drive, that the level of service of the new roads be equivalent to that provided by the previous road network for Canada's Wonderland (Attachment 2).

The Agreement clearly indicates that if this condition cannot be satisfied, the City in collaboration with York Region, will create a new driveway at the Jane Street and Avro Road intersection, to provide additional egress capacity to Canada's Wonderland by Victoria Day, 2017 (Attachment 3).

Following construction of the new road network, regular monitoring has been carried out

As part of the Agreement, the City was required to coordinate the establishment of a Traffic Operations Review Committee comprised of representation from each of the three parties. Milestone dates are listed to collect and review the data gathered and consider any additional traffic measures that could improve overall operations. Regular meetings were held throughout 2015 to review the findings.

Also part of the Agreement, the Region installed a new responsive signal control technology known as “Centracs” to optimize traffic movements on the Regional roads surrounding Canada’s Wonderland. These devices have been installed at the following locations:

1. Rutherford Road and Highway 400NB ramp terminus
2. Major Mackenzie Drive / Street D / Street I
3. Jane Street / Major Mackenzie Drive
4. Jane Street / Avro Road
5. Jane Street / Norwood Ave / west leg entrance
6. Jane Street / Springside Road / west leg entrance
7. Jane Street / Rutherford Road
8. Rutherford Road / Julliard Drive

The City and the Region have coordinated the collection and analysis of traffic data for long weekends, which are typical peak periods, as well as other time periods of peak demand identified by Canada’s Wonderland, using video and split monitor reports generated by the Centracs system. Data collection has been carried out in 2015 and 2016.

Monitoring activities reveal that the new road network does not provide the same level of service as the historic road infrastructure

Following reviews of the collected data, the reports identified that at peak periods, when patrons of Canada’s Wonderland exit the park, there are recurring instances of queuing of vehicles on Coaster Way. Following signal timing adjustments made to the surrounding signalized intersections, to optimize traffic movements during these time periods, the vehicle queuing continues to occur on Coaster Way. In view of the results and in accordance with the conditions set out in the Replacement Access Agreement, Cedar Fair has requested that the City and Region initiate the Jane Street and Avro Road intersection improvements. The improvements will only require the accommodation of egress from Canada’s Wonderland, and do not require accommodation for an entrance into the park.

City and Regional staff continue to work with Cedar Fair to develop a design for a new exit at the intersection of Jane Street and Avro Road to meet its contractual obligations as part of the “Replacement Access Agreement”

City Staff continue to work with the Region to develop preliminary design options for the new intersection at Jane Street and Avro Road. Once a detailed scope of work is defined, staff will circulate a newsletter to the community advising of the project and will work with the local ward Councillor and Regional Councillor’s to coordinate community engagement as needed.

Relationship to Term of Council Service Excellence Strategy Map (2014-2018)

In consideration of the strategic priorities set within the Term of Council Service Excellence Strategy Map, the recommendations in this report support the priority to ensure the safety and well-being of citizens as well as supporting the development of the Mackenzie Vaughan Hospital.

Regional Implications

The Region of York continues to be a participating stakeholder during the development of the Vaughan Healthcare Centre including but not limited to the intersection improvements on Avro Road within their jurisdiction.

Attachments

- Attachment No. 1 – Location Map - Vaughan Healthcare Precinct
- Attachment No. 2 – Location Map - New Access/Egress to Canada’s Wonderland
- Attachment No. 3 – Location Map - Jane Street and Avro Road Intersection

Report prepared by:

Paolo Masaro, Manager, Design & Construction, ext. 8446

Respectfully submitted,

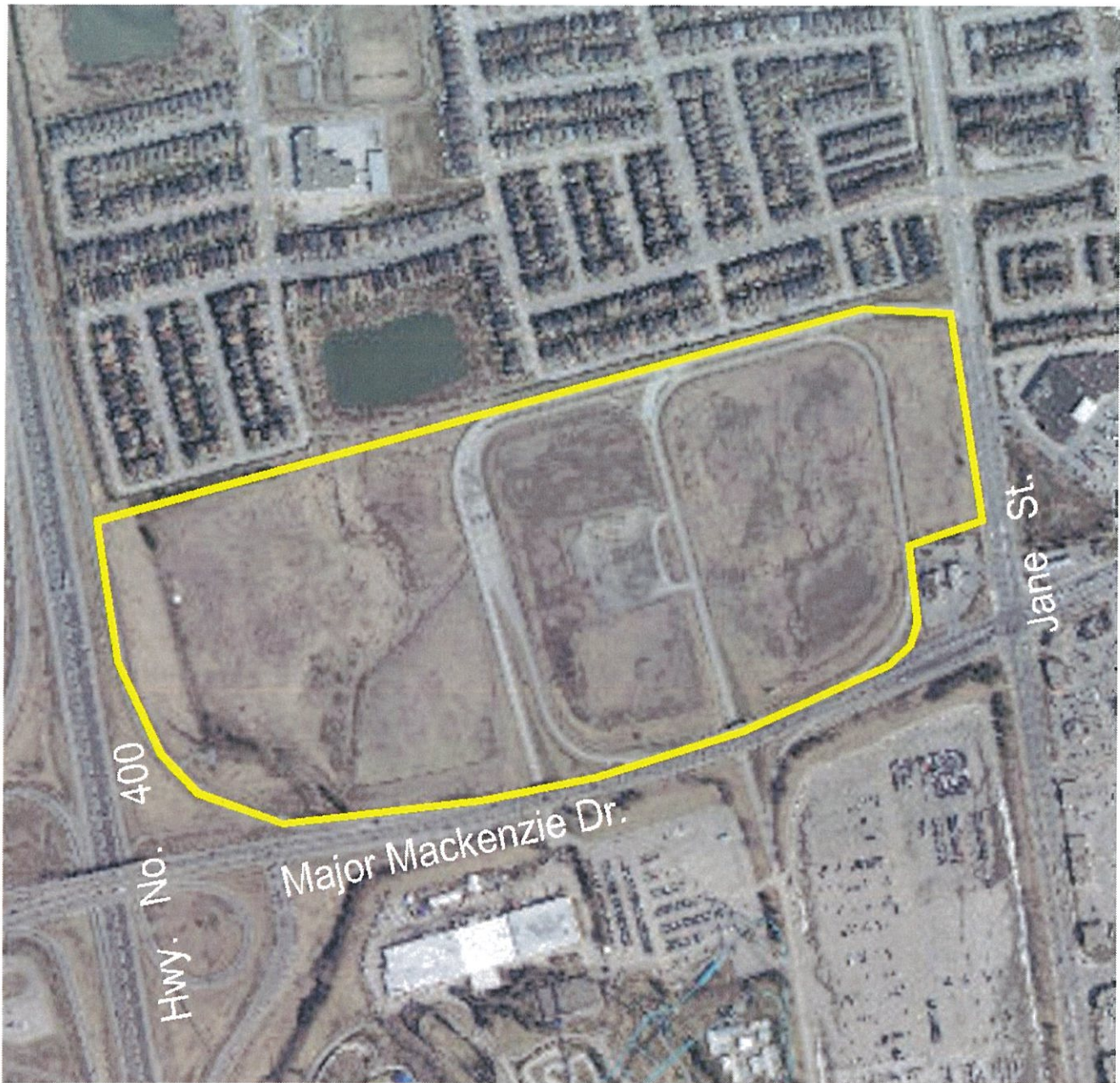
A handwritten signature in blue ink, appearing to read 'DK', with a stylized flourish at the end.

Daniel Kostopoulos
City Manager

A handwritten signature in blue ink, appearing to read 'J. Graziosi', with a stylized flourish at the end.

Jack Graziosi
Director of Infrastructure Delivery

ATTACHMENT No. 1



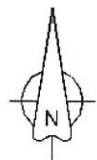
LOCATION MAP

VAUGHAN HEALTHCARE PRECINCT

LEGEND



SUBJECT AREA



NOT TO SCALE

ATTACHMENT No. 2



LOCATION MAP

NEW ACCESS/EGRESS TO CANADA'S WONDERLAND

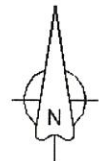
LEGEND



SUBJECT ROADS

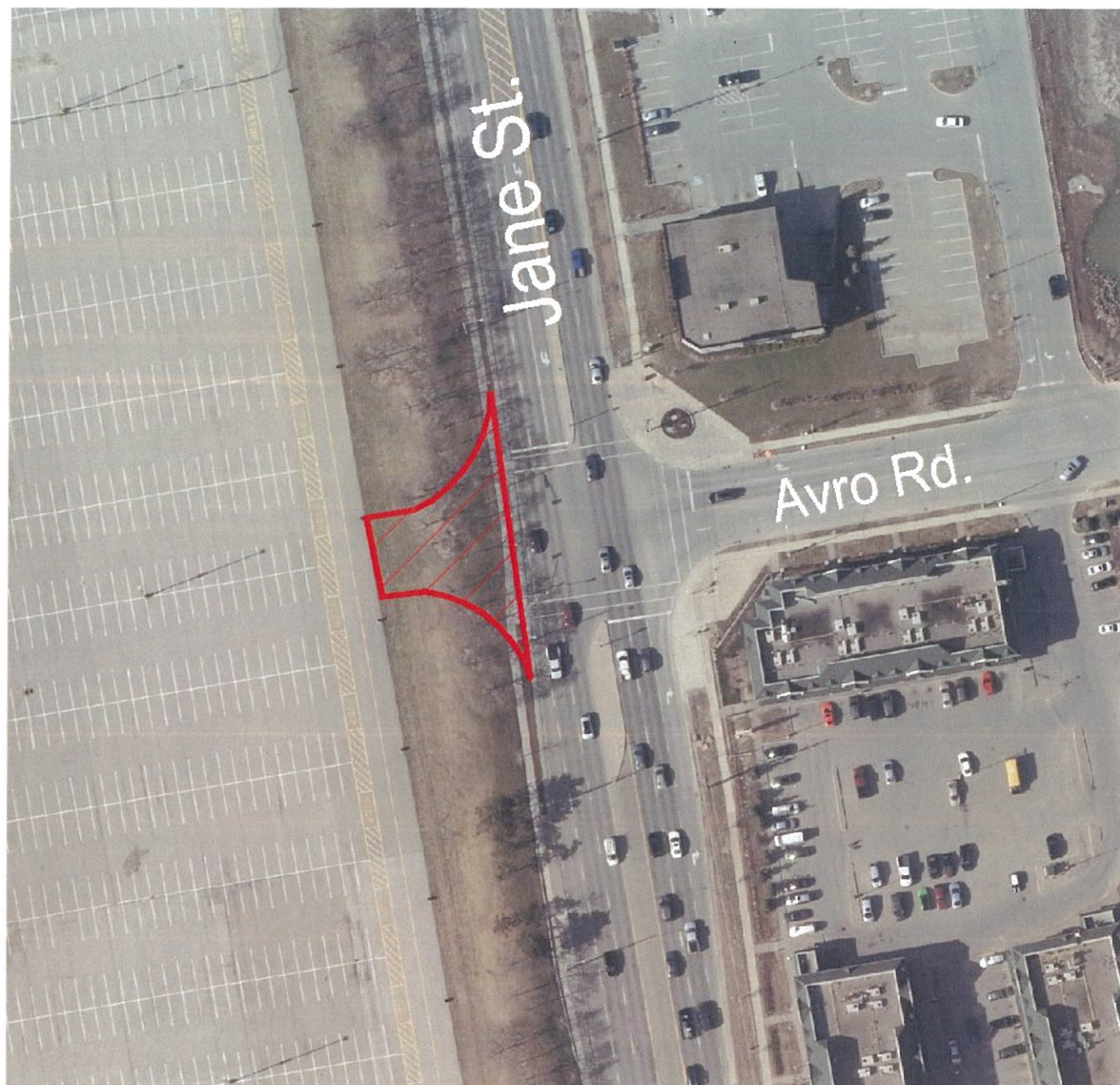


FUTURE TRANSIT HUB



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ATTACHMENT No. 3



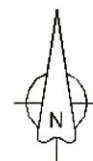
LOCATION MAP

JANE STREET AND AVRO ROAD INTERSECTION

LEGEND



SUBJECT AREA



NOT TO SCALE