



DEVELOPMENT AND INFRASTRUCTURE SERVICES – ENGINEERING SERVICES
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March 5, 2014

**DEVELOPMENT AND INFRASTRUCTURE SERVICES REPORT
ENGINEERING SERVICES 2014-22**

TO: Committee of the Whole

SUBJECT: VIVA Yonge Street Design

ORIGIN: Director of Engineering Services

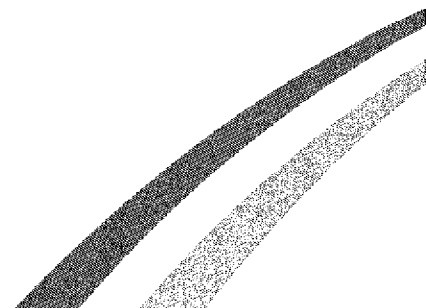
RECOMMENDATIONS

THAT Development and Infrastructure Services Report – Engineering Services 2014-22 dated February 28, 2014, regarding the provision for future pedestrian lighting on the Yonge Street VIVA Corridor from approximately Savage Road North to Davis Drive be received and the following recommendations be adopted:

- 1. THAT the Town of Newmarket request VIVA to include estimates for the design and construction of a conduit for future pedestrian lighting within the Yonge Street corridor in the pricing for the project as an optional item;**
- 2. AND THAT subject to receiving acceptable prices, staff be authorized to approve the inclusion of these works in the contract;**
- 3. AND THAT VIVA be notified of this action.**

COMMENTS

York Region is currently establishing the scope of work for the improvements to Yonge Street from south of Savage Road to Davis Drive as part of the vivaNext RapidWay project. Within the scope of work, the Town of Newmarket has the option of requesting provisions for the installation of duct work along Yonge Street to provide for future pedestrian lighting. The installation of duct work at this time would eliminate the need for future excavation at the time that urbanization is occurring and pedestrian lighting is installed. This includes electrical chambers, underground conduit systems and other needed provisions for future pedestrian illumination on roadside light poles and future pedestrian poles located midway between the lighting poles on both sides of Yonge Street.



The schedule for the design and construction of the Yonge Street VIVA project requires that the Town of Newmarket provide direction now regarding our interest in including these works. When the pricing of the work is received from the contractor, the Town will then have the opportunity to give direction on whether the works should be included or not. It may be necessary provide this direction to VIVA at a point later in the year, and more specifically at a time when Council or Committee meetings are not scheduled or when Council is not able to provide direction due to the timing of the election and restrictions on decision making as per the Municipal Act. For that reason it is suggested that Council provide direction on the matter at this time and authorize staff to approve the works provided the cost estimates received are acceptable.

The scope of this work is as follows:

200.11.7 **NEWMARKET PEDESTRIAN LIGHTING PROVISIONS**

The Town of Newmarket requires provision of future pedestrian illumination within the Project limits of the Y3.2 Segment. This includes electrical chambers, underground conduit systems and other needed provisions for future pedestrian illumination on roadside light poles and future pedestrian poles located midway between the lighting poles on both sides of Yonge Street. Included in the works is the following:

- Design of the future pedestrian lighting system (to identify poles, luminaries and power supply locations);
- The design of the future pedestrian lighting system shall meet TAC horizontal luminance and uniformity requirements;
- Design and construction of electrical and underground work shall follow OPSS standards;
- Minimum acceptable mounting height for pole mounted luminaries is 4.88m;
- Provisions for separate wiring connection to power supply and metering locations;
- Provisions for underground low voltage cables between street lighting poles constructed on the Yonge Street project and the future pedestrian poles located midway between the street lighting poles;
- Appropriately sized underground empty Rigid PVC conduits, stubs, connections, waterproof hand wells, junction boxes and utility access covers required to permit all future electrical cables, and ensure the design will prevent conduction to the surface;
- For electrical work in general, construction shall be as per OPSS 601;
- Construction of ducts shall be as per the requirements of OPSS 603 and shall be installed in accordance with the latest OPSS 2103.02; and
- Duct joints shall be made with the use of sleeves, which will permit a smooth joint between ducts and all joints shall be made waterproof by means of coupler and sealant.

The Town has received a preliminary estimate for the works noted above of \$353,000.00

BUSINESS PLAN AND STRATEGIC PLAN LINKAGES

Well Planned and Well Connected

Initiate and respond to planning initiatives and policies of other levels of government, neighbouring municipalities and external agencies in a manner that supports achievement of the objectives of the Community Strategic Plan.

CONSULTATION

The VIVA project was subject to extensive community consultation during the Environmental Assessment of the project.

HUMAN RESOURCE CONSIDERATIONS

Staffing levels are not impacted as a result of the recommendations in this report.

BUDGET IMPACT

Operating Budget (Current and Future)

This project does not have an operating budget impact.

Capital Budget

Should the tendered prices for the works be acceptable and the works proceed, funds would be allocated in the 2015 budget along with other VIVA program related works on behalf of the municipality. The preliminary estimate for the work provided by VIVA is \$353,000. The municipality will be invoiced for these works as they are completed, which will likely be in late 2015 or 2016.

CONTACT

For more information on this report, please contact the Director of Engineering Services, Rachel Prudhomme, M.Sc., P.Eng. at 905-953-5300, ext. 2501 or by e-mail at rprudhomme@newmarket.ca.



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