



Report to: Development Services Committee

Report Date: June 21, 2011

SUBJECT: Award of Tender # 052-T-11 Rehabilitation of Reesor Road Bridge (B13) between Steeles Avenue East and 14th Avenue

PREPARED BY: Alain Cachola, Manager of Capital Works, ext. 2711
Philip Zhang, Engineering Design Assistant, ext. 2477
Tony Casale, Senior Construction Buyer, ext. 3190

RECOMMENDATION:

- 1) THAT the report entitled "Award of Tender # 052-T-11, Rehabilitation of Reesor Road Bridge (B13) between Steeles Avenue East and 14th Avenue" be received;
- 2) AND THAT the contract for Tender # 052-T-11, Rehabilitation of Reesor Road Bridge (B13) between Steeles Avenue East and 14th Avenue be awarded to the lowest priced, qualified bidder, Anskon Contracting Inc., in the amount of \$400,916.35 inclusive of HST;
- 3) AND THAT a separate purchase order in the amount of \$40,092.00 inclusive of HST, be issued for contingency to cover any additional construction fees and that the Director of Engineering be authorized to approve the expenditure of this contingency amount up to the specified limit in accordance with the Expenditure Control Policy;
- 4) AND THAT staff be authorized to retain a qualified geotechnical consulting firm – Coffey Geotechnics in accordance with the Town's purchasing By law to provide geotechnical and materials testing services during construction with an upset limit of \$11,000.00 inclusive of HST;
- 5) AND THAT a separate purchase order in the upset amount of \$6,000.00 inclusive of HST be issued to Aquafor Beech Limited to provide fish management program work during construction as requested by TRCA for the bridge construction permission;
- 6) AND THAT the Engineering Department apply a Project Management Fee in the amount of \$41,220.75 inclusive of HST;
- 7) AND THAT the awards and fees listed in recommendations 2-6 be funded from the Bridge Improvement – Reesor S of 14th project (# 058-6150-8461-005), in the amount of \$240,349.56; and the Bridge Improvement – Reesor Road (B13) project (#058-6150-11340-005), in the amount of \$258,879.54;
- 8) AND THAT Council authorize the through versus local road closure of Reesor Road between Steeles Avenue East and 14th Avenue from July to October in 2011;
- 9) AND THAT upon payment of all invoices, any remaining funds in account 58-6150-8461-005 and 58-6150-11340-005 be returned to the original funding source;
- 10) AND THAT staff be authorized and directed to do all things necessary to give effect to this resolution.

PURPOSE:

The purpose of this report is to obtain Council approval to award tender 052-T-11, for the Rehabilitation of Reesor Road Bridge (B13) between Steeles Avenue East and 14th Avenue.

BACKGROUND:

In order to meet the legislative requirement of Public Transportation and Highway Improvement Act, Ontario Regulation 104/97, the Town has implemented an annual structures inspection program since 2004 to identify the maintenance needs to protect and extend the life of existing structures including bridges, culverts and outfalls.

The existing Reesor Road Bridge (B13) located approximately 800m south of 14th Avenue was constructed in 1965 crossing the Little Rouge Creek. This bridge has a clear span of 19.75m and an overall width of 11.78m. The pavement width is 8.1m and a sidewalk is on one side of the bridge deck.

According to the bridge inspection report submitted by Engineered Management Systems Inc. (EMS) in January 2009 and the detailed bridge deck condition survey report prepared by G.D. Jewell Engineering Inc in July 2008, the Reesor Road Bridge (B13) was identified to be repaired within 1 – 5 years from the issuance date of the report.

In June 2010, the Town retained Planmac Inc. to prepare the detailed design and provide contract administration and inspection services for the Reesor Road Bridge (B13) construction.

This project duration is three months and is scheduled to commence in July 2011 and be completed by October 2011.

REGULATORY AGENCY APPROVAL

All required permits and approvals for the project have been secured from environmental agencies such as The Toronto and Region Conservation Authority (TRCA), MNR, etc.

The Ministry of Natural Resources (MNR) has confirmed that the construction will not adversely affect Redside Dace as the activities associated with the Reesor Road Bridge Rehabilitation will not occur on or upstream of an occupied Redside Dace reach. In addition, MNR has provided their clearance to move forward with construction.

OPTIONS/DISCUSSION:

In order to minimize the disruptions to existing residents / businesses and complete the project on an earlier time frame, Town staff recommends that Reesor Road, from Steeles Avenue to 14th Avenue be closed to through traffic, and open only to local traffic. The proposed road closure will also provide cost efficiency during construction as the signals, signal persons, barriers, etc. will no longer be required and the construction time will be reduced.

The project is anticipated to commence in July 2011 and completed by October 2011. The section of Reesor Road between Steeles Avenue East and 14th Avenue will be closed to through versus local traffic from July to October 2011 and will be open to local traffic only.

Staff has been in discussions with the Box Grove Developers Group's regarding the construction schedule for the 14th Avenue realignment, from Donald Cousens Parkway to Reesor Road. Based on the developer's tentative schedule, the work is to commence at the same time as the Reesor Road project. The joint developer / Town Traffic Management Plan that incorporates the proposed road closures on 14th Avenue and Reesor Road is available on Attachment 'B'.

The Traffic Management Plan has been forwarded to the Region for review and we anticipate to get their sign-off in the next two weeks.

As a part of the notification process, Town staff will issue the construction notification to stakeholders and local residents two (2) weeks before the road closure and construction.

CONSTRUCTION TENDER

Tender #052-T-11 Rehabilitation of Reesor Road Bridge (B13) was issued in accordance with the Purchasing By-law 2004-341 and the scope of work for the construction of this project included the following components:

- Remove and replace asphalt and waterproofing on deck
- Make deep and shallow concrete repairs to the soffit and the top of the deck
- Remove expansion joints and convert deck ends into semi-integral configuration
- Construct new concrete approach slabs
- Upgrade steel beam guide rail and new structure connections and end treatments to comply with current standards
- Remove existing bridge railing system and replace with new architecturally enhanced wall and rail system
- Remove and replace concrete curbs and sidewalks
- Make deep and shallow concrete repairs to the abutments and wingwalls
- Undertake landscaping and tree replanting at a ratio of 3:1

Staff from the Engineering and Purchasing Departments and the Consultant have reviewed the bid submissions and are satisfied that all terms, conditions, bid prices and specifications comply with the Town's requirements. The tender results are summarized below:

BID INFORMATION

Advertised	ETN
Bids closed on	May 18, 2011
Number picking up bid documents	18
Number responding to bid	8

PRICE SUMMARY

Contractor	Total Bid Price (Inclusive of HST)
Anscon Contracting Inc.	\$ 400,916.35
Jarlian Construction Inc.	\$ 431,721.89
Marbridge Construction Ltd.	\$ 473,794.56
Clearwater Structures Inc.	\$ 516,238.66
Bob Hendricksen Construction Limited	\$ 610,475.54
Soncin Construction	\$ 634,857.24
Graham Bros. Construction Limited	\$ 634,967.34
Hawkins Contracting Services Limited	\$ 770,124.94

FINANCIAL CONSIDERATIONS AND TEMPLATE: (external link)

Item	Total Budget/Cost incl. HST	Funding Sources / Cost incl. HST	
		058-6150-8461-005	058-6150-11340-005
Budget Available for this Project	\$574,129.62 (A+B)	\$274,129.62 (A)	\$300,000.00 (B)
Construction Cost	\$400,916.35 (C+D)	\$200,458.18 (C)	\$200,458.17 (D)
Construction Cost Contingency	\$40,092.00 (E+F)	\$20,046.00 (E)	\$20,046.00 (F)
Geotechnical and Material Testing Cost	\$11,000.00		\$11,000.00
Fish Management	\$6,000.00		\$6,000.00
Engineering Department Project Management Fee @ 9.0 %	\$41,220.75(G+H)	\$19,845.38 (G)	\$21,375.37 (H)
Total Construction Cost	\$499,229.10 (I+J)	\$240,349.56 (I)	\$258,879.54 (J)
Budget Remaining	\$74,900.52(A+B-I-J)	\$33,780.06 (A-I)	\$41,120.46 (B-J)

Upon payment of all invoices, any remaining funds in account 58-6150-8461-005 and 58-6150-11340-005 be returned to the original funding source.

HUMAN RESOURCES CONSIDERATIONS:

“Not applicable”

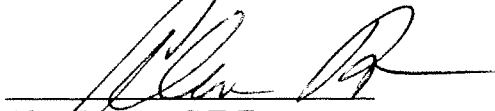
ALIGNMENT WITH STRATEGIC PRIORITIES:

The proposed Rehabilitation of Reesor Road Bridge (B13) is in line with Town's goal to provide better quality services and safe access to the public.

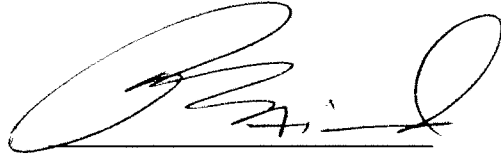
BUSINESS UNITS CONSULTED AND AFFECTED:

The Finance Department has been consulted, provided input to this report.

RECOMMENDED BY:



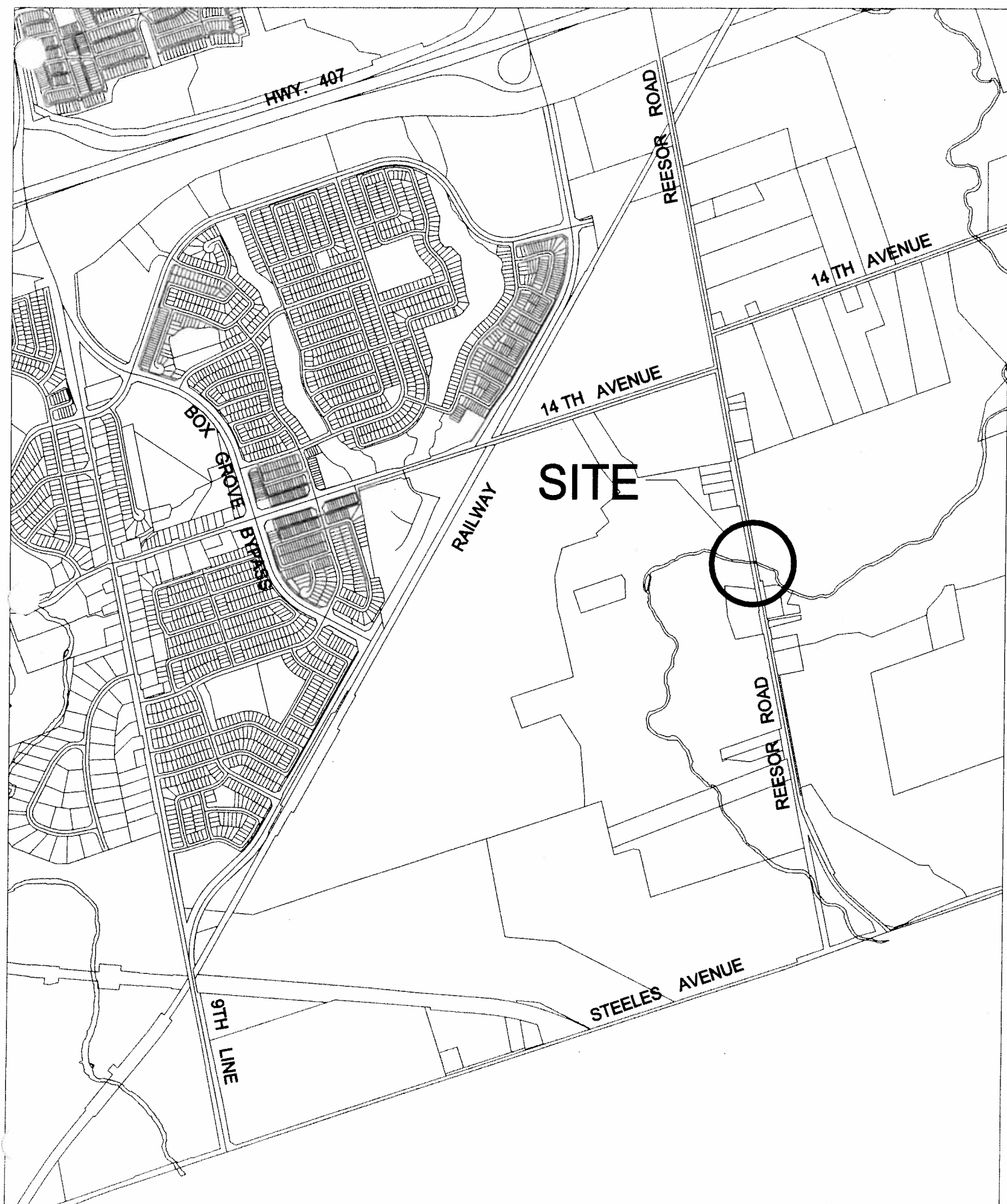
Alan Brown, C.E.T.
Director of Engineering



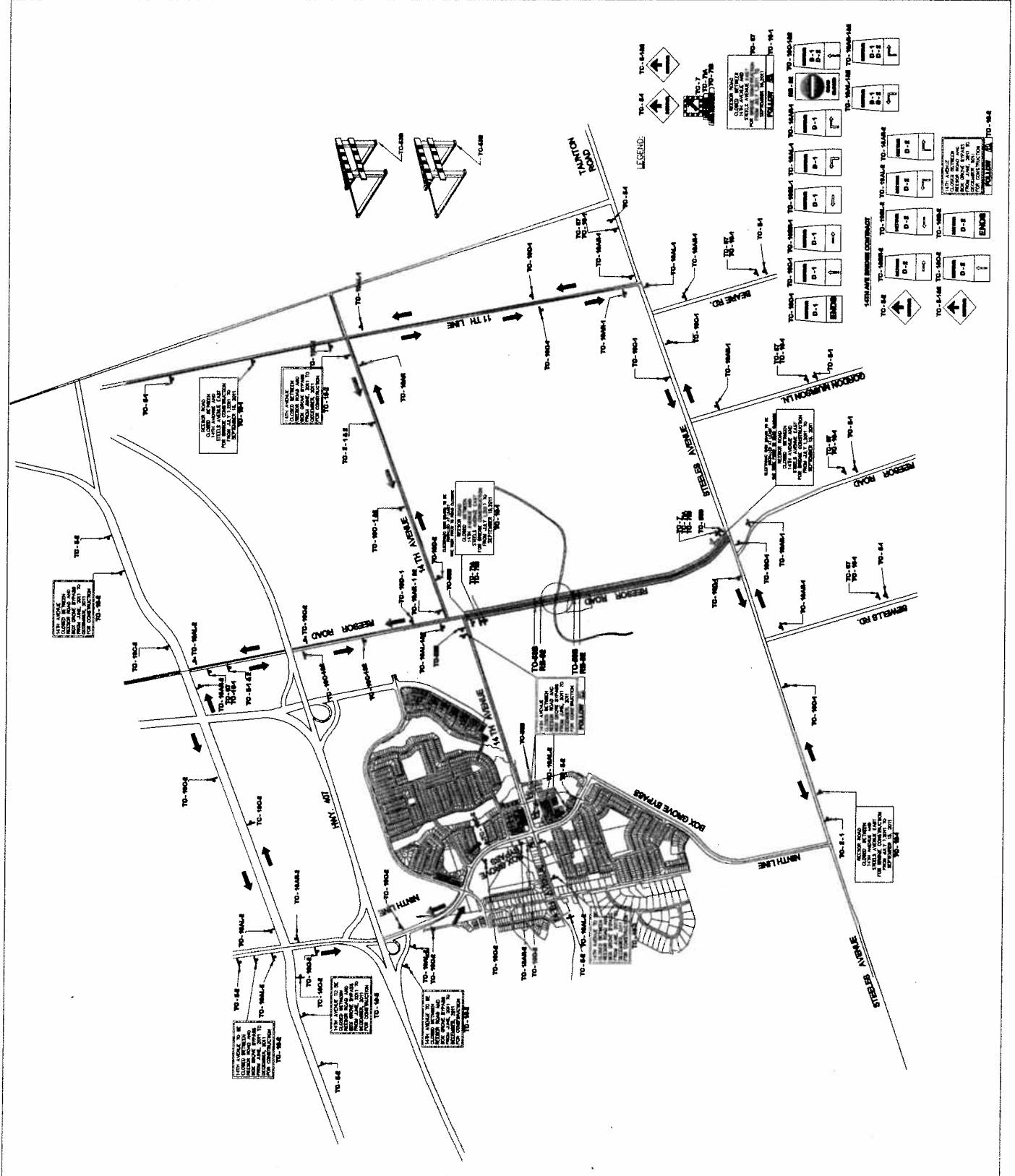
Jim Baird, M.C.I.P., R.P.P.
Commissioner of
Development Services

ATTACHMENTS:

- Attachment A – Location Plan
- Attachment B – Traffic Management Plan



ATTACHMENT A - LOCATION PLAN
REESOR ROAD BRIDGE



ATTACHMENT B - TRAFFIC MANAGEMENT PLAN