Highways Committee Agenda

Thursday, October 19, 2017
Council Chambers
County Administration Centre, Walkerton

1. Declaration of Pecuniary Interest

2. Action Items
   A. Intersection Identification Lighting - Bruce Road 22 and Marl Lake Road (attached)
   B. Opening New Bruce Road 1 Alignment (attached)

3. Information Items
   A. Reconstruction of the McCurdy Bridge (attached)
   B. West Road Environmental Assessment (attached)

4. Next Meeting
   November 16, 2017

5. Adjournment
Committee Report

To: Warden Mitch Twolan  
    Members of the Highways Committee

From: Brian Knox 
      Engineer

Date: October 19, 2017

Re: Intersection Identification Lighting - Bruce Road 22 and Marl Lake Road

Recommendation:

That the transfer of approximately $10,000 from the Traffic Control Capital Reserve to fund the identification lighting at the intersection of Bruce Road 22 and Marl Lake Road be approved.

Background:

The Department presented a report to Committee on May 18, 2017 that supports the installation of intersection identification lighting at intersections of a rural County road and a Municipal road. The policy is attached.

The Department has been approached by the Municipality of Brockton to make an installation at the intersection of Bruce Road 22 and Marl Lake Road as identified on the attached sketch. The Municipality and Department wishes to proceed with the installation this fall. The Engineer expects a total cost of roughly $20,000 which represents a cost of approximately $10,000 to Brockton and the same cost to the Department.

Financial/Staffing/Legal/IT Considerations:

This work was not anticipated in 2017 yet the Department has a traffic control capital reserve upon which we wish to draw. There are no staffing, legal or IT considerations associated with this report.

Interdepartmental Consultation:

Not applicable.
Link to Strategic Goals and Elements:

Goal #6. - Explore alternate options to improve efficiency, services
Element #D. - Coordinate working with other agencies

Approved by:

Kelley Coulter
Chief Administrative Officer
Intersection Identification Lighting
At the Intersection of a Rural County Road and a Municipal Road
October 29, 1998
revised May 18, 2017

This policy is developed to permit a municipality of install intersection identification lighting within the County road right-of-way at the intersection of a two lane rural County Road and a two lane rural municipal road, where there are no left or right turn lanes. The purpose of this policy and installation of intersection identification lighting is to provide guidance as to the location of the intersection and is not intended to provide full or partial intersection lighting as established by the standards of the International Municipal Signal Association (IMSA). Generally, intersection identification lighting is one light over/near the intersection.

The Department offers a Municipality several options:

1. Existing Hydro Pole Installation - The Municipality proposes the installation of intersection identification lighting on an existing hydro pole and provides the Department with the pertinent information. Upon acceptance of the proposal by the Department, the Municipality would apply for an Encroachment Permit. As the owner of the intersection identification light, the Municipality accepts full responsibility for installation, energy, operating and maintenance costs. The proposed installation shall pose no adverse effect to the motoring public.

2. New Separate Pole Installation - The Municipality proposes the installation of intersection identification lighting on a new separate pole and provides the Department with the pertinent information. Upon receipt of a Municipal request, the Department would prepare an engineered drawing and would obtain a price for the installation. The Municipal Council would be required to confirm the acceptance of 50% of the installation cost. The Department would be the owner of the intersection identification lighting and would be responsible for the energy, operating, and maintenance costs.

This policy is effective this day and shall apply to proposed locations from this date forward.
Committee Report

To: Warden Mitch Twolan
Members of the Highways Committee

From: Brian Knox
Engineer

Date: October 19, 2017

Re: Opening New Bruce Road 1 Realignment

Recommendation:

That a by-law be introduced to authorize the opening of the newly realigned Bruce Road 1 at the intersection of Highway 9 at Kinloss and described as Parts 2, 4, 5, and 8 on Reference Plan 3R-9714; and,

That by-law 2017-066 be repealed.

Background:

At the September 21, 2017 Highways Committee the Engineer recommended that a by-law be introduced to authorize the opening of the newly realigned Bruce Road 1. The report however neglected to include Part 4 on the attached Reference Plan 3R-9714.

The Department has completed the realignment of Bruce Road 1 at the intersection of Highway 9 at Kinloss and has consulted with the Ministry of Transportation regarding the intersection improvements.

The Department will prepare a report and subsequent by-law for the closing of the former Bruce Road 1 in the near future.

Financial/Staffing/Legal/IT Considerations:

There are no financial, staffing, legal or IT considerations associated with this report.

Interdepartmental Consultation:

Not applicable
Link to Strategic Goals and Elements:

Goal #6. - Explore alternate options to improve efficiency, services
Element #D. - Coordinate working with other agencies

Approved by:

Kelley Coulter
Chief Administrative Officer
Committee Report

To: Warden Mitch Twolan
    Members of the Highways Committee

From: Brian Knox
    Engineer

Date: October 19, 2017

Re: Reconstruction of the McCurdy Bridge (Revised)

Recommendation:

The tender results for the Reconstruction of McCurdy Bridge is for information.

Background:

The Department entered into a cost-sharing agreement in 2016 with the Municipality Arran-Elderslie and the Municipality of Brockton regarding the reconstruction of the McCurdy Bridge located on the boundary road known as the Brant-Elderslie Road. The project was postponed in 2016 and therefore the cost-sharing agreement may require minor revisions.

The Department closed the tender for the construction of the McCurdy Bridge on October 5, 2017 and received 6 submissions. The results less HST were as follows:

Owen King Construction   $4,006,491.62
Premier Concrete Inc.    $4,357,337.37
Toronto Zenith Contracting $4,532,450.00
Looby Construction       $4,581,771.04
Bronte Construction      $5,087,412.08
Bot Construction Group   $5,350,000.00

The low tender submission apportioned as follows:
Part 1, Bridge and 30m of Road Approaches, County cost (less HST) $3,132,761.47
Part 2, Road Approaches, Municipal contract share (less HST)       873,730.15
                                               $4,006,491.62

Pursuant to the Cost sharing Agreement executed on July 7, 2016, the County had agreed to absorb $66,000 of the cost for road approaches beyond 30m, which will reduce the Municipal cost by $66,000, both of which are not reflected in the tender results. Also of note is that the tender results do not include engineering, environmental approvals, legal, land purchase or survey costs.
The total project costs result in an apportionment as follows:

**Table 1: Total Project Costs**

<table>
<thead>
<tr>
<th>Item</th>
<th>County Cost</th>
<th>Municipal Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part 1 of low tender submission - Bridge and 30m approach</td>
<td>$3,132,761.47</td>
<td></td>
</tr>
<tr>
<td>Part 2 of low tender submission - road beyond 30m of approach</td>
<td></td>
<td>$873,730.15</td>
</tr>
<tr>
<td>Engineering and Design (Jan 1/16 to tender close)</td>
<td>$98,000.00</td>
<td>$27,000.00</td>
</tr>
<tr>
<td>Future contract administration</td>
<td>$175,000.00</td>
<td>$50,000.00</td>
</tr>
<tr>
<td>Legal, land and survey</td>
<td>$130,000.00</td>
<td></td>
</tr>
<tr>
<td>Adjustment</td>
<td>66,000.00</td>
<td>($66,000.00)</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$3,601,761.47</td>
<td>$884,730.15</td>
</tr>
</tbody>
</table>

The Engineer will be meeting with the Councils of the Municipalities of Arran-Elderslie and Brockton on October 23, 2017 to discuss the tender results and the amendment to the cost-sharing arrangement. The Department anticipates presenting a recommendation to award the tender in November.

**Financial/Staffing/Legal/IT Considerations:**

In 2017, the Department would require funds for the County’s share of Engineering and contract administration which was identified in the 2017 budget. Due to the delay in the tender date, a large portion of the 2017 funds for this project will not be required until 2018. The construction cost obligation in 2018 and 2019 will be funded from the Bridge Reserve. There are no staffing, legal or IT considerations associated with this report.

**Interdepartmental Consultation:**

None.

**Link to Strategic Goals and Elements:**

Goal # 6. Explore alternate options to improve efficiency, service
Element # D. Coordinate working with other agencies.

**Approved by:**

Kelley Coulter
Chief Administrative Officer
Committee Report

To: Warden Mitch Twolan
   Members of the Highways Committee

From: Brian Knox
      Engineer

Date: October 19, 2017

Re: West Road Environmental Assessment

Recommendation:

The report West Road Environmental Assessment is for information.

Background:

The Department continues to progress with the West Road Environmental Assessment. The preliminary preferred solution had been circulated to public, stakeholders, municipalities and aboriginal communities. The Department received comments from the public up to September 21, 2017 with the main comments received as follows:

- Concern over current speed of vehicles in the Red Bay area.
- Concern for road use safety.
- The need for more information relating to groundwater/hydrogeology.
- Concern on the impact on the environment.
- Interest in including more hard surfacing.
- General support for road improvements.

As presented at the September 21, 2017 Highways Committee, the Department is working with SON, MOECC, MNRF and GM BluePlan to review the scope of a technical study relating to hydrology and hydrogeology. The Department has engaged GM BluePlan to assist in preparing a terms of reference for this technical study and to be involved in discussions with applicable agencies and aboriginal communities to finalize the terms of reference. The Department anticipates approaching Committee in November with the terms of reference for the hydrology and hydrogeology study and a recommendation to retain GM BluePlan to undertake the work.
Financial/Staffing/Legal/IT Considerations:
There are no financial, staffing, legal or IT considerations associated with this report.

Interdepartmental Consultation:
Not applicable.

Link to Strategic Goals and Elements:
Goal #6 Explore alternative options to improve efficiency, service. Element #D Coordinate working with other agencies.

Approved by:
Kelley Coulter
Chief Administrative Officer