



PUBLIC WORKS COMMITTEE AGENDA

**Wednesday, January 22, 2014, 9:00 a.m.
Operation Centre, Primrose**

Declarations of Pecuniary Interest by Members

QUESTION PERIOD

Members of the public will be provided an opportunity to ask questions of the Committee during this time. (Limited to 10 minutes).

REPORTS

1. PUBLIC WORKS COMMITTEE – January 22, 2014 – ITEM #1
Bi-Annual OSIM Bridge Inspection and Design-RFP PW-13-18

A report from the Director of Public Works dated January 22, 2014 to recommend the award of the Bridge Inspection and Design Request for Proposal (RFP).

Recommendation:

THAT Report, Bridge Inspection and Design RFP PW-13-18, from the Director of Public Works & County Engineer, dated January 22, 2014 be received;

AND THAT RFP PW-13-18 for Bridge/Culvert Design and Inspection Engineering work be awarded to R. J. Burnside & Associates Ltd.

2. PUBLIC WORKS COMMITTEE – January 22, 2014 – ITEM #2
Public Works Update

A report from the Director of Public Works dated January 22, 2014 to provide the Committee with an update on the progress of Public Works tasks.

Recommendation:

THAT the report from the Director of Public Works dated November 27, 2013 with respect to Public Works Update, be received.

3. PUBLIC WORKS COMMITTEE – January 22, 2014 – ITEM #3
Capital Project Update

A report from the Director of Public Works dated January 22, 2014 to provide Committee and Council with an update regarding the 2014 Public Works Capital Projects

Recommendation:

THAT Report, Capital Project Update for 2014, from the Director of Public Works, dated January 22nd, 2014 be received

Next Meeting: To be determined
Operations Centre, Primrose



REPORT TO PUBLIC WORKS COMMITTEE

To: Chair McGhee and Members of Public Works Committee
From: Scott C. Burns, Director of Public Works & County Engineer
Meeting Date: Wednesday, January 22nd, 2014
Subject: **Bi-Annual OSIM Bridge Inspection and Design-RFP PW-13-18**

Purpose

The purpose of this report is to recommend the award of the Bridge Inspection and Design Request for Proposal (RFP).

Background & Discussion

The capital budget includes rehabilitation work for four structures in 2014 and the inspection of every bridge and larger-span culvert (typically greater than 3 metres) within the County's inventory. All municipalities are required to inspect and report on their bridges and culverts bi-annually. RFP PW-13-18 was prepared to ask consulting engineers to provide a price and explain how they would go about performing the work.

RFP PW-13-18 closed at 2:00 pm on Thursday, December 19, 2013. The Proposals were opened in the Sutton Room, 55 Zina Street, Orangeville.

Present at the opening were:

Mayor of East-Garafraxa – Allen Taylor
County Clerk/Director of Corporate Services – Pam Hillock
Deputy Treasurer – Aimee Raves
Manager of Engineering – Mike Hooper

Eleven responses were received and are listed as follows: AECOM Canada Ltd., Ameresco Consulting, Dessau, Gamsby and Mannerow Ltd., IBI Group, J.L.Richards & Associates Ltd., Morrison Hershfield Ltd., R.J.Burnside & Associates Ltd., Remy Consulting Engineers Ltd., S.Burnett & Associates Ltd., Triton Engineering Services Ltd.

Staff reviewed all proposals and provided a weighted ranking based on technical experience of the firm, experience and qualifications of personnel, understanding of the

overall scope of the work, quality of the proposal, fees and financial terms and conditions and potential conflicts of interest. Staff are familiar with most of the firms that have submitted proposals and the proposals were all of an excellent quality.

The top three proposals in alphabetical order and their prices (including HST) are as follows:

| | |
|----------------------------------|---------------|
| AECOM Canada Ltd. | \$ 223,966.00 |
| R. J. Burnside & Associates Ltd. | \$ 166,516,80 |
| Gamsby and Mannerow Ltd. | \$ 221,203.15 |

Upon a thorough review of the proposals, R.J. Burnside & Associates Ltd. received the highest ranking. Staff have developed a working relationship with R.J. Burnside & Associates Ltd. over the years and are comfortable recommending the firm.

Local Municipal Impact

No immediate local impact.

Financial, Staffing, Legal, or IT Considerations

Funds for work under RFP PW-13-18, inspection, design and contract administration, are provided in the County Budget.

Recommendation

THAT Report, *Bridge Inspection and Design RFP PW-13-18*, from the Director of Public Works & County Engineer, dated January 22, 2014 be received;

AND THAT RFP PW-13-18 for bridge/culvert design and inspection engineering work be awarded to R. J. Burnside & Associates Ltd.

Respectfully submitted by

Original signed by,

Scott C. Burns, P. Eng., C.E.T.
Director of Public Works
& County Engineer



REPORT TO PUBLIC WORKS COMMITTEE

To: Chair McGhee and Members of Public Works Committee

From: Scott C. Burns, Director of Public Works & County Engineer

Meeting Date: Wednesday, January 22nd, 2014

Subject: **Public Works Update**

Purpose

The purpose of this report is to provide Committee and Council with a general update on progress of several Public Works tasks.

Background & Discussion

The table below provides an update on the status of several activities currently underway in Public works:

| No. | Task | Location/Details | Progress |
|-----|-------------------|--|---|
| 1 | Flashing Light | Intersection of County Road 16, 5 Sideroad & Townline. | <ul style="list-style-type: none">The pole base was installed in December of 2013 and further work will continue into 2014. Committee will receive updates as the work progresses. |
| 2 | Winter Operations | Dufferin County Roads | <ul style="list-style-type: none">Storms during December were addressed through typical winter maintenance operations, with several temporary road closures implemented during the prolonged weather event. |
| 3 | Operations | Dufferin County Roads | <ul style="list-style-type: none">Operations staff have been addressing impacts of freeze-thaw on County Roads. Focus has been on deterioration of high-volume roads, such as County Road #109 |

| | | | |
|---|-----------------------|-------------------------------|---|
| 4 | 2014 Capital Projects | Dufferin County Roads/Bridges | <ul style="list-style-type: none">• County Engineering staff are currently compiling tender documents and performing remaining design work for 2014 Capital Road rehabilitation and construction work |
|---|-----------------------|-------------------------------|---|

Local Municipal Impact

No immediate local impact.

Financial, Staffing, Legal, or IT Considerations

There are no additional financial impacts, as funds for the above tasks are provided by the 2013/14 Budgets.

Recommendation

***THAT** Report, Public Works Update, from the Director of Public Works & County Engineer, dated January 22nd, 2014 be received.*

Respectfully Submitted By:

Original signed by,

Scott Burns, P.Eng., C.E.T.
Director of Public Works
& County Engineer



**REPORT TO
PUBLIC WORKS COMMITTEE**

To: Chair McGhee and Members of Public Works Committee
From: Scott C. Burns, Director of Public Works & County Engineer
Meeting Date: Wednesday, January 22nd, 2014
Subject: **2014 Capital Project Update - January**

Purpose

The purpose of this report is to provide Committee and Council with an update regarding the 2014 Public Works Capital Projects.

Background & Discussion

Where project work schedules require adjusting, additional scheduling details will be provided through future reports to Committee.

As part of the County’s 2014 Capital budget, the following road work has been approved for completion this year and two projects are being carried forward from 2013 (see attached sketch for project locations):

| Item No. | Location | Description | Length | From/To | Status | Timing |
|-----------------------------------|----------|---------------------------|---------|--|--------------------------|--------|
| R1 | CR #11 | Resurfacing & Widening | 1.5 km | 5 SR to 4.5 km North of CR #109 Amaranth | 2013 Carryover | TBD |
| R2 | CR #18 | Intersection Improvements | 1.2 km | Intersection of 5 SR & CR #18 Mulmur | 2013 Carryover | TBD |
| R3 | CR #11 | Reconstruction | 1.7 km | 4.5 km North of CR #109 to CR #10 Amaranth | Documents being prepared | TBD |
| R4 | CR #18 | Resurfacing | 3.2 km | CR #8 to 25 SR Mono | Documents being prepared | TBD |
| R5 | CR #18 | Resurfacing | 3.1 km | 25 SR to 30 SR Mono | Documents being prepared | TBD |
| R6 | CR #109 | Resurfacing | 1.5 km | CR #11 to CR #3 Amaranth/East Garafraxa | Documents being prepared | TBD |
| R7 | CR #109 | Resurfacing | 3.5 km | 10 th Line Amaranth to SR 20 East Garafraxa | Documents being prepared | TBD |
| Total Road Length (2014 = 13.0km) | | | 15.7 km | | | |

As part of the County's 2014 Capital budget, the following bridge/large culvert work has been approved for completion this year (see attached sketch for project locations).

| Item No. | Location | Structure | Action | Status | Construction Start | Anticipated Completion |
|----------|--------------|----------------------------------|-------------|--------------------|--------------------|------------------------|
| S1 | CR #18 | Humber River Culverts (004- | Repairs | Awaiting RFP Award | TBD | TBD |
| S2 | CR #18 | Sawyer Bridge (004-0036) | Repairs | Awaiting RFP Award | TBD | TBD |
| S3 | CR #18 | Conc./Steel Culvert (937126 CUL) | Replacement | Awaiting RFP Award | TBD | TBD |
| S4 | AM/GV TwnIn. | Whitton Drain Bridge (004-0163) | Replacement | Awaiting RFP Award | TBD | TBD |

Local Municipal Impact

Notices will be sent out to the Local Municipalities informing them of the work being performed. Large notification signs will be installed prior to construction commencing.

Financial, Staffing, Legal, or IT Considerations

Funds for these works are included in the Capital Budget.

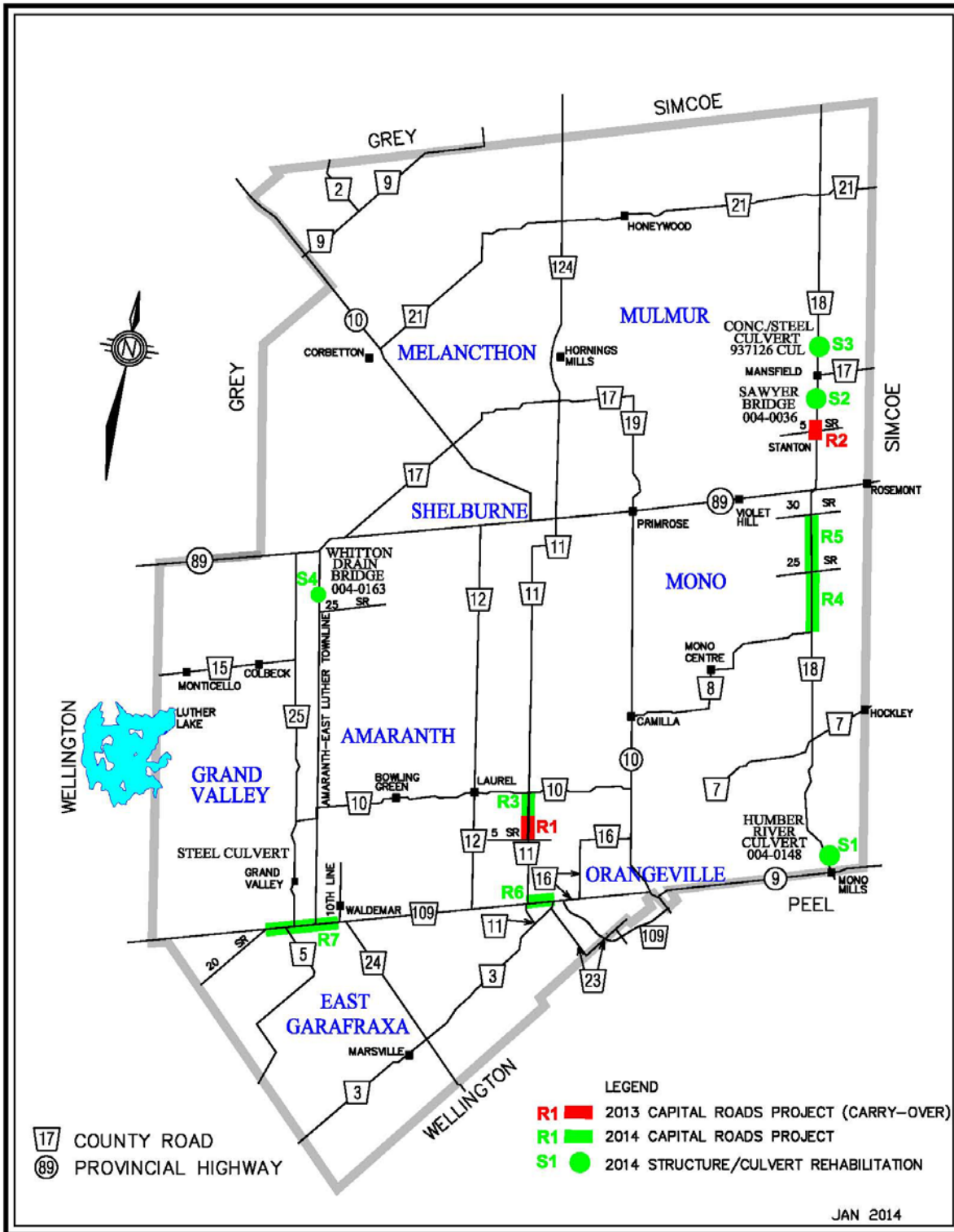
Recommendation

THAT Report, Capital Project Update for 2014, from the Director of Public Works, dated January 22nd, 2014 be received.

Respectfully submitted by

Original signed by,

Scott C. Burns, P.Eng., C.E.T.
Director of Public Works & County Engineer



Item 'S1': Humber River Culverts (004-0148)



Figure 1: General Barrel View



Figure 2: Outlet View

Item 'S2': Sawyer Bridge (004-0036)



Figure 3: Elevation View



Figure 4: General Soffit

Item 'S3': Conc./Steel Culvert (937126 CUL)



Figure 5: General Barrel View



Figure 6: Barrel Rust and Corrosion

Item 'S5': Whitton Drain Bridge (004-0163)



Figure 7: Profile View



Figure 8: Elevation View



Figure 9: Parapet Wall Deterioration



Figure 10: Wingwall Deterioration