



## **PUBLIC WORKS COMMITTEE AGENDA**

**Thursday, March 27, 2013, 9:00 a.m.**  
**Operations Centre, Primrose**

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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)

### **DELEGATIONS**

1. PUBLIC WORKS COMMITTEE – March 27, 2013 – ITEM #1  
Mr Bruce Horsley

Mr. Bruce Horsley to address the committee with respect to drainage issues along the former rail corridor.

### **REPORTS**

2. PUBLIC WORKS COMMITTEE – March 27, 2013 – ITEM #2  
Dufferin Grey ATV Club

A report from the Director of Public Works, dated March 27, 2013 with respect to a request from the Dufferin Grey ATV Club to use the former rail corridor from Orangeville to Shelburne.

#### ***Recommendation:***

***THAT report PW-2013-03-27, from the Director of Public Works dated March 27, 2013 with respect to a request from the Dufferin-Grey ATV Club for use of the former rail corridor, be received;***

***AND THAT staff be directed to perform a review of the trail in the spring to determine suitability for ATV use;***

***AND THAT staff be directed to contact potential stakeholders with interest in the development of a Multi-Use Trail within the former rail property.***

3. PUBLIC WORKS COMMITTEE – March 27, 2013 – ITEM #3  
Emergency Box Culvert Replacements

A report from the Director of Public Works dated March 27, 2013 to advise the Committee of two failing culvert structures on County Roads #9 and #25 respectively, which require immediate attention.

***Recommendation:***

***THAT report PW-2013-03-27, from the Director of Public Works dated March 27, 2013 with respect to Emergency Box Culvert Replacements, be received;***

***AND THAT Staff be authorized to incorporate the additional work for the design and contract administration (including detailed cost estimates) of each structure (total estimated cost of \$50,000) into the previously awarded OSIM contract with R. J. Burnside & Associates Ltd.;***

***AND THAT Funds from the 2012 (and anticipated 2013) Capital project surplus be set aside for the costs of the emergency structure repairs (total estimated cost of \$550,000) for further consideration upon review of R. J. Burnside & Associates detailed cost estimates.***

4. PUBLIC WORKS COMMITTEE – March 27, 2013 – ITEM #4  
Award of Tenders Results

A report from the Director of Public Works, dated March 27, 2013 to advise the Committee of the results of paving tender PW-13-01.

***Recommendation:***

***THAT report PW-2013-03-27, Award of Tenders, for tenders:***

- ***PW-13-01 Pavement Rehabilitation, Paving and Shouldering***

***from the Director of Public Works, dated March 27, 2013, be received.***

5. PUBLIC WORKS COMMITTEE – March 27, 2013 – ITEM #5  
Ontario Ministry of Infrastructure Funding – County Road 11

A report from the Director of Public Works dated March 27, 2013 to inform the Committee of the status of a funding application to the Ontario Ministry of Infrastructure, intended for extending the 2013 County Road 11 widening construction project.

**Recommendation:**

**THAT report PW-2013-03-27 from the Director of Public works dated March 27, 2013 with respect to Ontario Ministry of Infrastructure Funding for County Road 11 be received.**

6. PUBLIC WORKS COMMITTEE – March 27, 2013 – ITEM #6  
Revision to Minimum Road Maintenance Standards

A report from the Director of Public Works dated March 27, 2013 to provide the Committee with an overview of the revised Minimum Road Maintenance Standards and the impact of the new requirements.

**Recommendation:**

**THAT report PW-2013-03-27, from the Director of Public Works dated March 27, 2013 with respect to revisions to Minimum Road Maintenance Standards be received.**

7. PUBLIC WORKS COMMITTEE – March 27, 2013 – ITEM #7  
Update on Public Works

A report from the Director of Public Works, dated March 27, 2013 to provide the Committee with a general update on the progress of several Public Works tasks and projects.

**Recommendation:**

**THAT report PW-2013-03-27 from the Director of Public Works dated March 27, 2013 with respect to an update on Public Works activities be received.**

**CORRESPONDENCE**

8. PUBLIC WORKS COMMITTEE – March 27, 2013 – ITEM #8  
Thank You Letter

Email correspondence dated February 4, 2013 from the Mulmur/Melancthon Fire Department, thanking Public Works Staff for their quick assistance with an accident that occurred on County Road 21 at Blackbank.

**Recommendation:**

**THAT the email correspondence from the Mulmur/Melancthon Fire Department, thanking Public Works Staff for their quick assistance with an accident that occurred on County Road 21 at Blackbank, be received.**

**Next Meeting:** April 24, 2013 at 9am  
Operations Centre, Primrose



## REPORT TO PUBLIC WORKS COMMITTEE

**To:** Chair McGhee and Members of Public Works Committee

**From:** Scott Burns, Director of Public Works

**Date:** March 27<sup>th</sup>, 2013

**Subject:** **Dufferin-Grey ATV Club – Use of Rail Corridor**

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### Purpose

The purpose of this report is to follow up on a request from Council at the February 2013 meeting to investigate comments from the Township of Amaranth, the Dufferin OPP and the applicable Conservation Authorities related to ATV use along the former rail corridor.

### Background & Discussion

Comments have been collected from several parties regarding ATV club usage of the former Rail Corridor, the Organizations and their comments are summarized below:

Organization	Comments/Concerns	Position on ATV Usage
Township of Amaranth (original is attached)	Concerns include: <ul style="list-style-type: none"> <li>• Usage/damage to Township roads</li> <li>• Private property damage</li> <li>• Non-member use</li> <li>• Liability issues</li> <li>• Governance/lack of control</li> <li>• Interference with walking public</li> <li>• Safety concerns</li> </ul>	<ul style="list-style-type: none"> <li>• Amaranth Council does not support ATV use of the former Rail Corridor</li> </ul>
Credit Valley Conservation Authority (CVCA)	<ul style="list-style-type: none"> <li>• Help fill recreational demands in area</li> <li>• Impacts on trail surface and associated maintenance costs</li> </ul>	<ul style="list-style-type: none"> <li>• No overall concerns with ATV use of the former Rail Corridor</li> </ul>
Grand River Conservation	<ul style="list-style-type: none"> <li>• Are willing to increase signage regarding trespassing</li> </ul>	<ul style="list-style-type: none"> <li>• No overall concerns with ATV use of the former Rail</li> </ul>

Authority (GRCA)		Corridor
Nottawasaga Valley Conservation Authority (NVCA)	<ul style="list-style-type: none"> <li>• Potential for 'rogue' ATV use</li> </ul>	<ul style="list-style-type: none"> <li>• No overall concerns with ATV use of the former Rail Corridor</li> </ul>
Dufferin Detachment Ontario Provincial Police (OPP)	<ul style="list-style-type: none"> <li>• Complaints of ATV's using roadways</li> <li>• Complaints of ATV's trespassing and causing damage</li> <li>• Concerns about increase of ATV's on Township roads to access the trail</li> </ul>	<ul style="list-style-type: none"> <li>• Position not stated</li> </ul>

At this point staff believes a thorough review of the existing Former Rail Corridor should be completed in the spring to better assess suitability of ATV use at this time. This process should include a review of trail surface condition, drainage structure condition, obstacles such as existing farm crossings, etc...

In the past, Public Works staff has reviewed the former rail property to further understand construction requirements to prepare the property for basic multi-use trail purposes. A more detailed survey of the property is needed to help determine exact requirements for a multi-use trail, including ATV use. As of late 2012, the approximate cost of the required trail improvements was estimated at \$1,000,000 for a basic trail.

Public consultation is also recommended to determine appropriate users of the trail system.

### **Local Municipal Impact**

Local ATV users will benefit from further interconnection between urban centres and farms along the trail.

### **Financial, Staffing, Legal, or IT Considerations**

No additional financial impacts are created by this initial review process.

As stated in a report completed in November 2012, the estimated cost for a basic trail is just over \$1,000,000. Funds have been provided for in the 2013 Public Works Capital Budget (\$50,000) and Operating Budget (\$4,300). As well \$25,000 was set aside in the 2012 capital budget for this type of work. In the future, once the work is done, additional funds will be required in the operating budget for maintenance and repairs.

**Recommendation:**

**THAT** Report PW-2013-03-27, Dufferin-Grey ATV Club – Use of Former Rail Corridor, from the Director of Public Works, dated March 27, 2013, be received;

**AND THAT** Staff be directed to perform a review of the trail in the spring to determine suitability for ATV use;

**AND THAT** Staff be directed to solicit input from potential Stakeholders with interest in the development of a Multi-Use Trail within the former rail property.

Respectfully submitted by

Scott C. Burns  
Director of Public Works

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**BEN RYZEBOL, Director of Public Works**  
PUBLIC WORKS - TELEPHONE: (519) 941-1065  
FAX: (519) 941-1802  
email: bryzebol@amaranth-eastgary.ca



**SUSAN M. STONE, C.A.O./Clerk-Treasurer**  
TELEPHONE: (519) 941-1007  
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email: suestone@amaranth-eastgary.ca

374028 6<sup>TH</sup> LINE, AMARANTH, ONTARIO  
L9W 0M6

March 13, 2013

County of Dufferin  
55 Zina Street  
Orangeville, Ontario  
L9W 1E5

Dear Sir/Madam:

Re: Dufferin Grey ATV Club

Please be advised that at the regular meeting of Council held March 6, 2013, the following resolution was set forth.

Resolution

Moved by J.Aultman - Seconded by B. Besley

Resolved that Council does not support the Dufferin Grey ATV Club using the rail corridor from Orangeville to Shelburne based on numerous concerns including but not limited to use by non-members, liability issues, governance, inability to control usage, interference with the trail for the walking public, potential property damage, etc.

And Further that staff be instructed to provide further details of the concerns. Carried.

Council do not believe this is a wise use of the County rail line, as there have been numerous problems with ATV usage on township roads and property, not to mention damage to private property. Use of the rail line by ATV's would create an obstacle to other users, and could become a safety concern. The ATV usage would occur at a time of year when there are longer days, better weather, and more likelihood of use by the walking public. In addition the Township does not have a by-law in place for ATV use on our roadways, and it is likely there would be road use required for crossings etc. in order to utilize the rail line.

Therefore, Council does not support the Dufferin Grey ATV Club's request.

Yours truly,

Susan M. Stone, A.M.C.T.  
CAO/Clerk-Treasurer  
Township of Amaranth

SMS:cd



## REPORT TO PUBLIC WORKS COMMITTEE

**To:** Chair McGhee and Members of Public Works Committee  
**From:** Scott Burns, Director of Public Works  
**Date:** March 27<sup>th</sup>, 2013  
**Subject:** Emergency Box Culvert Replacements

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### **Purpose**

The purpose of this report is to advise Committee and Council of two failing culvert structures on County Roads #9 and #25 respectively, which require immediate attention.

### **Background & Discussion**

R. J. Burnside was selected through an RFP process to perform the County's 2012 'OSIM Bridge and Culvert Inspection' including the completion of the associated design, cost estimates, tenders and contract administration work. During the completion of the most recent OSIM inspection, R. J. Burnside staff reported two culvert structures in need of attention due to signs of structural failure. One structure is located on County Road #25, north of Grand Valley, the other on County Road #9 in the Township of Melancthon. Each of these structures requires prompt repair or replacement upon thorough review and detailed design. R. J. Burnside staff has provided preliminary estimates for the design, contract administration and replacement of these culverts through their initial OSIM review. The preliminary replacement costs are currently estimated to be approximately \$275,000 per structure, with the required design/contract administration work being estimated at \$25,000 per structure.

Pictures of the structures are attached along with a map illustrating their locations.

### **Local Municipal Impact**

The municipalities may experience temporary road closures during construction.



### Financial, Staffing, Legal, or IT Considerations

Funds for the initial design, contract administration and construction work are available from 2012 and anticipated 2013 Capital project surpluses.

The current preliminary cost estimates for the structures are as follows:

Structure	Estimated Design Cost	Estimated Contract Admin. Cost	Estimated Construction/Replacement Cost	Estimated Totals
<b>Structure #1</b> (CR#9)	\$ 15,000	\$ 10,000	\$ 275,000	\$ 300,000
<b>Structure #2</b> (CR#25)	\$ 15,000	\$ 10,000	\$ 275,000	\$ 300,000
Totals	\$ 30,000	\$ 20,000	\$ 550,000	\$ 600,000
Design/Contract Admin. Total	\$ 50,000			

### Recommendation:

**THAT** Report PW-2013-03-27, Emergency Box Culvert Replacements, from the Director of Public Works, dated March 27, 2013 be received;

**AND THAT** Staff be authorized to incorporate the additional work for the design and contract administration (including detailed cost estimates) of each structure (total estimated cost of \$50,000) into the previously awarded OSIM contract with R. J. Burnside & Associates Ltd.;

**AND THAT** funds from the 2012 (and anticipated 2013) Capital project surplus be set aside for the costs of the emergency structure repairs (total estimated cost of \$550,000) upon review of R. J. Burnside & Associates detailed cost estimates.

Respectfully submitted by

Scott C. Burns  
Director of Public Works



**STRUCURE #1 – COUNTY ROAD #9**



**Figure 1 – Structure #1 (CR#9)-Legs sheared from footing and shifting inward (approx.. 600 mm)**



**Figure 2 – Structure #2 (CR#9)-Internal concrete failure and exposed steel reinforcing bars**

**STRUCTURE #2 – COUNTY ROAD #25**



**Figure 3 - Structure #2 (CR#25)-External concrete deterioration**



**Figure 4 - Structure #2 (CR#25)-Legs shearing from platform and Internal concrete failure**



## REPORT TO PUBLIC WORKS COMMITTEE

**To:** Chair McGhee and Members of Public Works Committee  
**From:** Scott Burns, Director of Public Works  
**Date:** March 27<sup>th</sup>, 2013  
**Subject:** Award of Tenders

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### Purpose

The purpose of this report is to advise Committee and Council of the following tenders in accordance with the Procurement By-law 2007-28:

- **PW-13-01 Pavement Rehabilitation, Paving and Shouldering - County Roads 11, 18, 25, 109 AND THE Shelburne Ambulance Parking Lot – 301 Rintoul Crescent, Shelburne**

### Background & Discussion

#### Tender PW-13-01 Pavement Rehabilitation, Paving and Shouldering

The above referenced tender closed at 2:00 pm on Thursday, February 28, 2013. Tenders were opened immediately following the closing, in the Sutton Room, Court House, Orangeville. Present at the opening were Chair Ken McGhee, Dufferin Oaks Administrator – Valerie Quarrie, Deputy Treasurer – Aimee Raves.

Tender results are as follows:

<b>PW-13-01 Pavement Rehabilitation, Paving and Shouldering Bid Results</b>	
<b>Bidder</b>	<b>Total Bid Amount (including taxes)</b>
Aecon Construction & Materials Ltd.	1,570,509.25
Fermar Paving Ltd.	1,613,721.47
Graham Bros. Construction Limited	1,635,388.36

The tender met the criteria set out in the Procurement By-law such that it was subsequently awarded by the Director of Public works to Aecon Construction & Materials Ltd. in the amount of \$1,570,509.25.

### **Local Municipal Impact**

There is no impact on the local municipalities

### **Financial, Staffing, Legal, or IT Considerations**

The appropriate funds have been provided for in the 2013 Capital Budget.

### **Recommendation**

***THAT Report PW-2013-03-27, Award of Tenders, for tenders:***

- ***PW-13-01 Pavement Rehabilitation, Paving and Shouldering from the Director of Public Works, dated March 27, 2013, be received.***

Respectfully submitted by

Scott C. Burns  
Director of Public Works



## **REPORT TO PUBLIC WORKS COMMITTEE**

**To:** Chair McGhee and Members of Public Works Committee  
**From:** Scott Burns, Director of Public Works  
**Date:** March 27<sup>th</sup>, 2013  
**Subject:** **Ontario Ministry of Infrastructure Funding – County Road 11**

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### **Purpose**

The purpose of this report is to inform Committee and Council on the status of a funding application, to the Ontario Ministry of Infrastructure, intended for extending the 2013 County Road 11 widening construction project.

### **Background & Discussion**

The County was not successful in obtaining any additional funding through this application and no explanation is provided by the Ministry. The intended use of the funds was to extend the County Road 11 widening construction project from the original project limits of County Road 109 to County Road 10, further north to 15 Sideroad.

Moving forward, the County Road 11 project will follow the original plan and remain as the length of County Road 11 between County Road 109 and County Road 10 (6 km).

### **Local Municipal Impact**

There is no impact on the local municipalities.

### **Financial, Staffing, Legal, or IT Considerations**

The appropriate funds have been provided for in the 2013 Public Works Capital Budget.

### **Recommendation:**

**THAT** Report PW-2013-03-27, OMI Funding – County Road 11, from the Director of Public Works, dated March 27, 2013, be received.

Respectfully submitted by  
Scott C. Burns  
Director of Public Works



## **REPORT TO PUBLIC WORKS COMMITTEE**

**To:** Chair McGhee and Members of Public Works Committee  
**From:** Scott Burns, Director of Public Works  
**Date:** March 27<sup>th</sup>, 2013  
**Subject:** **Revision to Minimum Road Maintenance Standards**

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### **Purpose**

Revised Ontario Regulation 239/02, Minimum Maintenance Standards, was signed January 29, 2013. The purpose of this report is to provide an overview of the revised standards and the impact of those new requirements.

### **Background & Discussion**

Ontario Regulation 239/02 Minimum Maintenance Standards (MMS) was published in August 2002. MMS provides municipalities with a statutory defense against certain negligence claims. This regulation has worked successfully until a recent Court of Appeal decision rendering Sections 4 and 5 of the MMS as an ineffective defense. This decision reconvened the MMS Task Force and revisions to the MMS were developed and submitted to the Minister of Transportation for review. The Minister signed the revision on January 29, 2013 and it is now in effect.

Summary of the primary changes are listed below:

- Clearing up the definition of ice
- Establishing a standard for weather monitoring, Winter and Summer
- Adding a deeming clause that makes it clear that “roads are in a state of repair”
- Estimate or actual measurement of snow depth
- Ensure that municipalities can select the method for snow removal
- Provides a minimum standard for the prevention of ice formation on a road
- Recognition that in spite of municipalities efforts, ice will form and sometimes there will be icy roads
- Revision that snow, slush or ice could not be interpreted as debris
- Cleaned up inspection cycle of once per calendar year to not more than 16 months from previous inspection.

Ontario Good Roads Association (OGRA) has developed several guidelines to assist municipalities with these revisions. The Guidelines are:



- Winter Operations Plan
- Developing a Level of Service Policy
- Preparing for and Decommissioning Winter Operations
- Patrolling Representative Roads in Winter
- Winter Weather Monitoring
- Training Patrol Staff

### Impacts of Revisions

Staff has reviewed the revisions to minimum maintenance standards.

Weather monitoring records is one area that needed to be addressed. The revision requires that a record of weather conditions be recorded 3 times per day from October 1<sup>st</sup> to April 30<sup>th</sup> and once per day for the remainder of the year. The county receives detailed winter weather forecast 4 times per day. Patrol staff continuously record weather observations. Staff will be looking into methods or recording for the summer weather season.

Generally, the County already meets or exceeds these revisions. An internal audit of our records will be performed prior to the next winter season. Findings from this audit will be addressed during our annual patrol training.

Staff has attended several webinars and seminars regarding the revisions to MMS. We are hopeful that these changes will mitigate claims.

### **Local Municipal Impact**

Local municipalities are also impacted by the Revisions to the Minimum Maintenance Standards.

### **Financial, Staffing, Legal, or IT Considerations**

There are no financial impacts identified in this report.

### **Recommendation:**

**THAT** Report PW-2013-03-27 Revisions to MMS, from the Director of Public Works, dated March 27, 2013, regarding “Revision to Minimum Road Maintenance Standards”, be received.

Respectfully submitted by:

*Original signed by,*  
Scott C. Burns  
Director of Public Works

Prepared by:

*Original signed by,*  
R. Scott Martin  
Manager of Operations, Public Works



## REPORT TO PUBLIC WORKS COMMITTEE

**To:** Chair McGhee and Members of Public Works Committee

**From:** Scott Burns, Director of Public Works

**Date:** March 27<sup>th</sup>, 2013

**Subject:** Public Works Update

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### Purpose

The purpose of this report is to provide Committee and Council with a general update on the 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	Fuel System & Tank Replacement	Primrose Operations Centre	<ul style="list-style-type: none"> <li>The fuel system is fully operational</li> <li>Asphalt and landscape work to be completed this spring</li> </ul>
2	Speed Reduction (60 km/hr zone)	Intersection of County Road 18 & Highway 9	<ul style="list-style-type: none"> <li>Temporary signs have been installed</li> <li>Permanent signs to be installed this spring</li> </ul>
3	Half Load Limit	Dufferin County Roads	<ul style="list-style-type: none"> <li>Half load limit in effect as of March 11</li> </ul>
4	Flashing Light	Intersection of County Road 16, 5 Sideroad and Townline	<ul style="list-style-type: none"> <li>Hydro has completed their work (relocated pole and transformer)</li> <li>The remaining pole and flashing light installation should be completed within the next weeks (weather permitting)</li> </ul>
5	Arbour Farms Entrance	County Road 18	<ul style="list-style-type: none"> <li>Awaiting submission of preliminary design for initial County review</li> </ul>
6	Meet with Minister of Transportation re. Road Uploads	OGRA/ROMA Combined Conference	<ul style="list-style-type: none"> <li>The meeting was denied</li> </ul>

**Local Municipal Impact**

Notices have been sent out to the local municipalities informing them of the work to be done and the timing.

**Financial, Staffing, Legal, or IT Considerations**

There are no additional financial impacts

**Recommendation:**

**THAT** Report PW-2013-03-27 Public Works Update, from the Director of Public Works dated March 27, 2013 be received.

Respectfully submitted by  
Scott C. Burns  
Director of Public Works

-----Original Message-----

From: [Jim.Clayton@ksm.kth.net](mailto:Jim.Clayton@ksm.kth.net) [mailto:Jim.Clayton@ksm.kth.net]

Sent: February-04-13 12:25 PM

To: Scott Martin

Subject: Accident on Blackbank

Good Morning Scott

Just wanted to drop a line and thank you and your staff for their quick work this morning on County Road 21 at Blackbank.

As you probably heard we had a car way down in the ditch with a 24 year old pregnant lady in it and Blackbank was very icy.

We asked your driver to lay a couple passes on Blackbank to look after the icy road.

No questions ask he looked after us right away.

Thanks again and let your guys know that we do appreciate the job they do...

Jim Clayton Mulmur / Melancthon Fire Department.

Environmental Health & Safety Associate

(519) 925-3030 Ext. 2212

FAX (519) 925-5188