

PUBLIC WORKS COMMITTEE AGENDA



Wednesday, April 25, 2012, 7:00 a.m.
Dufferin Room, 229 Broadway, Orangeville (Rear Entrance)

Declarations of Pecuniary Interest by Members

DELEGATION

1. PUBLIC WORKS COMMITTEE – April 25, 2012 – ITEM #1
Entrance on County Road #5

Mr. Jim Irvine and Mr. Jeff House to address the Committee regarding the entrance at 152551 County Road 5.

Recommendation:

For the consideration of the Committee.

REPORTS

2. PUBLIC WORKS COMMITTEE – April 25, 2012 – ITEM #2
All-Way Stop Warrant – CR#16 and Townline/5 Sideroad

A report from the Director of Public Works, dated April 25, 2012 with respect to an all-way stop warrant for the intersection of County Road #16 and Mono-Amaranth Townline/ 5 Sideroad.

Recommendation:

For the consideration of the Committee.

3. PUBLIC WORKS COMMITTEE – April 25, 2012 – ITEM #3
Capital Project Surpluses

A report from the Director of Public Works, dated April 25, 2012 with respect to the use of surplus capital funds in order to finalize projects.

Recommendation:

THAT Report PW-2012-04-25 Capital Project Surpluses, from the Director of Public Works dated April 25, 2012 be received;

AND THAT the surplus of \$182,009 from County Road 17 be transferred as follows:

- **\$75,000 to County Road 16**
- **\$107,009 to County Road 18 at 5 Sideroad in Mulmur;**

AND THAT the surplus of \$41,339 from County Road 3 be transferred to County Road 18 at 5 Sideroad;

AND THAT the surplus of \$384,000 from County Road 5 be transferred to County Road 18 at 5 Sideroad.

**4. PUBLIC WORKS COMMITTEE – April 25, 2012 – ITEM #4
Crew Leader Premium**

A report from the Director of Public Works, dated April 25, 2012 with respect to a crew leader premium.

Recommendation:

THAT Report PW-2012-04-25 Crew Leader Premium, from the Director of Public Works dated April 25, 2012 be received;

AND THAT a Crew Leader Premium, to ensure crews of five or more have an “in charge” person, be established at 6%.

**5. PUBLIC WORKS COMMITTEE – April 25, 2012 – ITEM #5
Construction Schedule**

A report from the Director of Public Works, dated April 25, 2012 with respect to a construction schedule for 2012 road projects.

Recommendation:

THAT Report PW-2012-04-25 Construction Schedule, from the Director of Public Works dated April 25, 2012 be received for information.

**6. PUBLIC WORKS COMMITTEE – April 25, 2012 – ITEM #6
Living Snow Fence**

A report from the Director of Public Works, dated April 25, 2012 with respect to provide information on the living snow fence program.

Recommendation:

THAT Report PW-2012-04-25 Living Snow Fence Program from the Director of Public Works dated April 25, 2012 be received;

AND THAT Staff be authorized to enter into a Memorandum of Understanding with the Nottawasaga Conservation Authority and Grand

River Conservation Authority for the provision of the living snow fence program.

CORRESPONDENCE

7. PUBLIC WORKS COMMITTEE – April 25, 2012 – ITEM #7
Living Snow Fence

Correspondence from the Township of Melancthon dated April 12, 2012 requesting support for living snow fences on Dufferin Road 124 from Hwy 89 to Dufferin Road 17.

Recommendation:

For consideration of the Committee

DISCUSSION ITEMS

8. PUBLIC WORKS COMMITTEE – April 25, 2012 – ITEM #8
Road Closures and Advance Warning Signage for Safety of Emergency Staff

A discussion on road closures and advance warning signage for safety of emergency staff as requested by the Chair.

9. PUBLIC WORKS COMMITTEE – April 25, 2012 – ITEM #9
Construction Scheduled for 2012

A discussion on the construction scheduled for 2012 to identify affected municipalities, as requested by the Chair.

10. PUBLIC WORKS COMMITTEE – April 25, 2012 – ITEM #10
Arbour Farm Proposal Update

A discussion on the Arbour Farm Proposal and the peer review timelines, as requested by the Chair.

11. PUBLIC WORKS COMMITTEE – April 25, 2012 – ITEM #11
Stanton Intersection – Update

An update on the timelines for addressing traffic calming at the Stanton Intersection.

OTHER BUSINESS

Next Meeting: May 23, 2012
Operations Centre, Primrose

From: Irvine, Jim (FS PARTNERS) [<mailto:jirvine@fspartners.ca>]
Sent: April-02-12 1:33 PM
To: Trevor Lewis
Subject: entrance and culvert

Hi Trevor:

Jeff House and I were hoping we could get on the agenda for the April 25th public works meeting. It is regarding the entrance at 152551 County Road 5. Please get back to me.

Jim

"To assist in your marketing of 2011,2012 and 2013 crops let us help you place an offer on our grain On Line Offer Centre. Set the amount you wish to sell and the target price you are looking for. No need to check the markets every hour or worry when you are away that you missed an opportunity. Let the Offer Centre help you manage the volatility

Thanks

Jim Irvine

Grain Originator

FS PARTNERS/GREAT LAKES GRAIN

Grand Valley/Drayton-----1-800-265-2284

Fax-----1-519-638-2282

Elevator-----1-519-928-2322

GLG Head Office Chatham--1-519-352-8220

Cell-----1-519-835-9929

[email--jirvine@fspartners.ca](mailto:jirvine@fspartners.ca)

CORPORATION OF THE COUNTY OF DUFFERIN



REPORT TO PUBLIC WORKS COMMITTEE



To: Chair McGhee and Members of the Committee
From: Trevor D. Lewis, P.Eng. Director of Public Works
Date: April 25, 2012
Subject: **All-Way Stop Warrant – CR#16 and Townline/5 Sideroad**

Purpose

The purpose of this report is to explain the outcome of an all-way warrant for the intersection of County Road #16 and Mono-Amaranth Townline/ 5 Sideroad.

Background & Discussion

Staff has been asked to report on the possibility of installing an all-way stop on CR#16 and Townline. Staff has reviewed the requirements of the All-way stop warrant as published in the Ontario Traffic Manual.

The various segments of the warrant are shown below.

Warrant#1 – All-Way Stop Control:

All-way stop controls should be considered only under the following situations:

As an interim measure, where traffic control signals are warranted but cannot be implemented immediately.	Warrant not met.
At locations having a high collision frequency where less restrictive measures have been tried and found inadequate.	Warrant not met.
As a means of providing a transition period to a change in intersection right-of-way control from one direction to another	Warrant not met.

Warrant#2– All-Way Stop Minimum Volume Warrant (Arterial and Major Roads):

All-way stop control may be considered on major roads where the following conditions are met:

The total vehicle volume on all intersection approaches exceeds 500 vehicles per hour for each of any eight hours of the day	Data required , however traffic count data we have suggests that the peak hour count of 307 on #16 would not be sufficient to meet this warrant.
The combined vehicular and pedestrian volume on the minor street exceeds 200 units per hour (all vehicles plus pedestrians wishing to enter the intersection) for each of the same eight hours, with an average delay to traffic on the minor street (either vehicles or pedestrians wishing to enter the intersection) of greater than 30 seconds.	Data required , however not much pedestrian traffic and the count has to exceed 200 for each of the same eight hours.
The volume split does not exceed 70/30. Volume on the major street is defined as vehicles only. Volume on the minor street includes all vehicles plus any pedestrians wishing to cross the major roadway	Data required

Warrant#3– All-Way Stop Collision Warrant:

For the purpose of this warrant, a high accident frequency is an average of **four** collisions per year over a **three-year period**. Only those accidents susceptible to relief through multi-way stop control must be considered (i.e., right angle and turning collisions).

According to 3-year County of Dufferin collision data, there has been only one collision within the County Road 16/5 th Sideroad intersection. This collision took place early in 2012	Warrant not met
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Included in the warrant are those locations where visibility problems exist which limit the safe approach speed to less than 15 km/h, thereby creating an unreasonable accident potential. Special advance warning or overhead

flashing lights may be necessary to augment the control if vertical or horizontal alignment is a factor. Visibility and site distance is not an issue at this intersection with currently posted speed limits.

While some data is still required for some sections, staff feel that there is not sufficient warrant for an all-way stop at this location.

Local Municipal Impact

The Town of Mono has sent a letter asking for consideration of an all-way stop and the Township of Amaranth has sent a letter asking for our input on the matter and consideration for a 4 way stop.

Recommendation

For consideration of committee.

Respectfully submitted by

Original signed by,

Trevor D. Lewis, P. Eng.
Director of Public Works
and County Engineer

CORPORATION OF THE COUNTY OF DUFFERIN



REPORT TO PUBLIC WORKS COMMITTEE



To: Chair McGhee and Members of the Committee

From: Trevor D. Lewis, P.Eng. Director of Public Works

Date: April 25, 2012

Subject: **Capital Project Surpluses**

Purpose

The purpose of this report is to recommend the use of surplus capital funds in order to finalize projects.

Background & Discussion

The Treasurer estimates that the Public Works Department has a capital surplus from 2011 capital projects of approximately \$223,000. This amount comes from two projects, County Road 17 and County Road 3. Changes were recently made to the resurfacing of Road #5 and approximately \$384,000 was placed into the Reserve for Roads Rehabilitation for a total of \$607,000. This will be the total amount in the reserve.

The Airport Road project was originally budgeted for just construction, and then the purchase of the land was taken from this budget. There is \$94,000 remaining in that budget. Recent estimates for the cost of the reconstruction suggest that an additional \$460,000 will be required to complete the work.

The County resurfaced Road #16 from Hwy #10 westerly in 2010, except for the section that was to be reconstructed by Aragon Developments when developing the southwest corner of the intersection. Aragon has completed the work on #16 and the County's portion of the work is \$75,000.

Local Municipal Impact

There will be no impact on the local municipalities.

Recommendation

THAT Report PW-2012-04-25 Capital Project Surpluses, from the Director of Public Works dated April 25, 2012 be received;

AND THAT the surplus of \$182,009 from County Road 17 be transferred as follows:

- \$75,000 to County Road 16
- \$107,009 to County Road 18 at 5 Sideroad in Mulmur;

AND THAT the surplus of \$41,339 from County Road 3 be transferred to County Road 18 at 5 Sideroad;

AND THAT the surplus of \$384,000 from County Road 5 be transferred to County Road 18 at 5 Sideroad.

Respectfully submitted by

Original signed by,

Trevor D. Lewis, P. Eng.
Director of Public Works
and County Engineer

THE CORPORATION OF THE COUNTY OF DUFFERIN



REPORT PW-2012-04-25 Crew Leader Premium TO PUBLIC WORKS COMMITTEE



To: Chair McGhee and Members of the Committee

From: Trevor D. Lewis, P.Eng. Director of Public Works

Date: April 25, 2012

Subject: Crew Leader Premium

Purpose

The purpose of this report is to recommend the introduction of a premium for “in charge” persons for unsupervised works projects involving five or more employees in the Operations Division of the Public Works Department.

Background & Discussion

During last year’s construction period a Ministry of Labour (MOL) Health and Safety Inspector visited a guide post removal operation involving five employees. At that time, the Operations Supervisor and Working Foreman were away, attending a supervisory leadership course. The MOL Inspector verbally cited the County for not having an “in charge” person directing the activities, in accordance with the requirements of the *Ontario Occupational Health and Safety Act*. Ont. Reg. 213, Sections 15(1) states: “An employer of five or more workers on a project shall appoint a supervisor for the workers. Section 15(2) continues: “The supervisor shall supervise the work at all times either personally or by having an assistant who is a competent person to do so personally.”

A meeting with the Director of Public Works, Operations Manager, Office Coordinator and HR Manager was held to discuss how to resolve the situation and to ensure an “in charge” person would always be present. It was the consensus of this group that in the absence of the Working Foreman, or for project crews of five or more, the Public Works Operations Manager and/or the Working Foreman may appoint a Crew Leader who will receive a 6% “crew leader” premium for all authorized hours worked on the project. The Crew Leader will be selected at the discretion of the Operations Manager and/or Working Foreman based on skill, qualifications, experience and training.

It was also determined that this 6% “crew leader premium” should replace the out-dated, non-indexed “shift premium” currently paid for winter patrol. Approximately 15 years ago, the County of Dufferin introduced a premium of \$0.75/hour for winter patrol employees. At the time the Equipment Operator (Grade 4) wage rate was \$15.00/hour, so this responsibility premium amounted to 5%.

Local Municipal Impact

There is no local municipal impact.

Financial, Staffing, Legal, or IT Considerations

The expense for the Crew leader premium will occur during vacation backfill situations and during the winter season when the winter patrol is in place. The estimated annual cost to implement this premium is estimated to be \$3,700. Based on a total payroll in Operations of \$1,064,000, this represents a 0.3 per cent increase.

Recommendation

THAT Report PW-2012-04-25 Crew Leader Premium, from the Director of Public Works dated April 25, 2012 be received;

AND THAT a Crew Leader Premium, to ensure crews of five or more have an “in charge” person, be established at 6%.

Respectfully submitted by

Original signed by,

Trevor D. Lewis, P. Eng.
Director of Public Works
and County Engineer

THE CORPORATION OF THE COUNTY OF DUFFERIN



REPORT PW-2012-04-25 Construction Schedule TO PUBLIC WORKS COMMITTEE



To: Chair McGhee and Members of the Committee
From: Trevor D. Lewis, P.Eng. Director of Public Works
Date: April 25, 2012
Subject: **Construction Schedule**

Purpose

The purpose of this report is to provide the Construction Schedule for 2012.

Background & Discussion

As part of the County's 2012 Capital budget the following work is being proposed for completion this year:

Location	Description	From/To	Timing
CR #8	Resurfacing 6 K	Mono Centre to HWY 10	Summer
CR #5	Resurfacing 2.5 K	10 Line 2.5 Km Southwesterly	Summer
CR #18	Resurfacing 2.5 K	Localized Sections	Summer/Fall
CR #109	Resurfacing 1.2 K	Various Sections SAR	Summer/Fall
CR # 7	Shoulder Paving	Hurontario to 3 rd Line EHS	Summer

As part of the Paving Contract we are adding a parking lot reconstruction at Dufferin Oaks and a resurfacing of the Centre Street Facility (Bowling Alley).

Not included in the construction schedule yet is the bridge work to be done this year. The RFP for structure inspection includes one structure that we plan to repair this year, but staff are not sure of the timing yet.

Local Municipal Impact

Notices have been sent out to the local municipalities informing them of the work to be done and the timing. The large street signs will be installed prior to the construction.

Financial, Staffing, Legal, or IT Considerations

The costs for these works are included in the capital budget.

Recommendation

THAT Report PW-2012-04-25 Construction Schedule, from the Director of Public Works dated April 25, 2012 be received for information.

Respectfully submitted by

Original signed by,

Trevor D. Lewis, P. Eng.
Director of Public Works
and County Engineer

CORPORATION OF THE COUNTY OF DUFFERIN



REPORT TO PUBLIC WORKS COMMITTEE



To: Chair McGhee and Members of the Committee
From: Trevor D. Lewis, P.Eng. Director of Public Works
Date: April 25, 2012
Subject: **Living Snow Fence**

Purpose

The purpose of this report is to provide information on the living snow fence program.

Background & Discussion

Living snow fences can save lives, reduce road maintenance, reduce use of salt, reduce road closures, provide benefits to the farm, and provide wildlife habitat. Living snow fences are also extremely durable and should perform indefinitely. This makes them a very cost effective alternative to installing snow fence. The downside to planting trees and shrubs for snow fencing is that they must usually be set back far enough from the road that they are on private property. As a result, landowners are generally not willing to plant a living snow fence on their properties since they would have to take land out of production and potentially interfere with cropping practices.

To offset those concerns, the snow fence must be properly designed and incentives must be made available to landowners. Wellington County has developed a program whereby the trees are planted for free and the landowner is provided a performance incentive for the land affected by the snow fence. Landowners are provided with a performance incentive of \$250/acre/year for the first three years and \$100/acre/year for the following seven years. In total, landowners receive payments totalling \$1450/acre. The Dufferin County Living Snow Fence Program proposes to use the same incentive to encourage landowners to participate.

All aspects of the Living Snow Fence Program (LSFP) would be delivered by the appropriate local Conservation Authority (Delivery Agency) through their well-established tree planting programs.

In order to give some assurance to the County that the funds spent on a Living Snow Fence and Performance Incentive are secure, all participating landowners will be required to sign a 15 year agreement with the Delivery Agency.

County staff has had conversations with Nottawasaga Conservation staff and Grand River Conservation staff. Both delivery agencies are interested in entering into a Memorandum of Understanding with the County of Dufferin.

Financial Impact

Trees and Planting:

- Trees and planting are provided to the landowner for free. In some cases the landowner may be asked to assist with site preparation if it involves tillage.
- Tree cost depends on species and size. Using the buying power of the Delivery Agency shall ensure the best possible price for the selected trees.

Performance Incentive:

\$250/acre/year for 3 years – LSFP through the Delivery Agency
\$100/acre/year for 7 years – LSFP through the Delivery Agency

For example, for each strip (1 row of trees 4m wide) that is 1 km long, approximately 1 acre would be taken out of production.

For every 1 km strip of living snow fence:

LSFP \$250/acre x 1 acre = \$250/yr for 3 years
LSFP \$100/acre x 1 acre = \$100/yr for 7 years
Total after 10 years = \$1,450

There is almost \$225,000 in the Living Snow Fence reserve to start and maintain this program.

Recommendation

THAT Report PW-2012-04-25 Living Snow Fence Program from the Director of Public Works dated April 25, 2012 be received;

AND THAT Staff be authorized to enter into a Memorandum of Understanding with the Nottawasaga Conservation Authority and Grand River Conservation Authority for the provision of the living snow fence program.

Respectfully submitted by:

Report prepared by:

Original signed by

Original signed by

Trevor D. Lewis, P. Eng.

Scott Martin, B. Tech.

Director of Public Works
and County Engineer

Operations Manager



The Corporation of
THE TOWNSHIP OF MELANCTHON

157101 Hwy. 10, R.R. # 6, Shelburne, Ontario, L0N 1S9

Telephone - (519) 925-5525

Fax No. - (519) 925-1110

Website: www.melancthontownship.ca

Email: info@melancthontownship.ca

Denise B. Holmes, AMCT
CAO/Clerk-Treasurer

April 12, 2012

County of Dufferin
Roads Committee
55 Zina Street, 2nd Floor
Orangeville ON
L9W 1E5

Attention: Pam Hillock

Dear Ms. Hillock:

At a meeting of the Council of the Corporation of The Township of Melancthon, held on the 5th day of April, 2012, the following resolution was introduced and passed:

Be it resolved that:

"The Council of the Corporation of The Township of Melancthon has received a delegation from Mr. Sam Young, owner of the Shelburne Golf and Country Club, asking for our support for living snow fences on Dufferin Road 124 from Hwy 89 to Dufferin Road 17. We see merit in this initiative in the interest of public safety and we encourage Dufferin County to undertake the necessary steps to approve this project."

Carried - "B. Hill" - Mayor

Yours truly,

Denise B. Holmes, AMCT
CAO/Clerk-Treasurer

**Administration Department
Received**

APR 19 2012

DBH:wa

For Information: _____

For Action: _____

c: Sam Young