



October 18, 2013

Report To: Mayor & Council

From: Doug Brown, Manager Operations & Facilities

SUBJECT: Submission of Expression of Interest for Funding for the Replacement of 478 meters of Water Main Along Colonization Road West (between VAL012 to VAL014) under the – Capital Program

Further to the administration report dated October 8, 2013 approved by Council at the October 15, 2013 Council meeting, based on program funding criteria the Town can only submit **one** project as the two projects outlined in the October 8, 2013 report are not connected i.e. – water distribution system piping replacement VS sanitary sewer collection system piping replacement. The Colonization Road West water main replacement project will be the project submitted by the Town under this funding program. Please find attached pertinent information on submitting the Expression of Interest (EOI) form, the completed Expression of Interest (EOI) form for this project and a spreadsheet outlining the estimated costs for the project.

At this time, a separate Council resolution is required certifying the following;

- 1) That the information in the Expression of Interest (EOI) is factually accurate.
- 2) The Town of Fort Frances will have a comprehensive asset management plan that includes all of the information and analysis described in **Building Together: Guide for Municipal Asset Management** in place by December 31, 2013.
- 3) That the comprehensive asset management plan will be publicly available including online on the Town's website by May 30, 2014.
- 4) That the Colonization Road West Water Main Replacement Project will be completed by December 31, 2015.

Also it should be noted that the Town already submitted the Town's 2012 municipal FIR forms to the Ministry of Municipal Affairs on May 31, 2013.

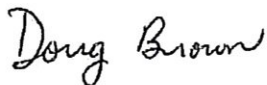
The project funding is based on the following;

1) 1/6 cost – Federal Gas Tax Revenue -	\$ 295,800
2) 1/6 cost - Town's water and sewer reserve funds -	\$ 295,800
3) 2/3 cost – Small, Rural and Northern Municipal Infrastructure Fund	\$ 1,183,202
Total	\$1,744,802

The Operations & Facilities Executive Committee recommends the following:

- 1) That Council endorses a separate resolution- that includes the following information;
 - That the information in the "Expression of Interest" form is factually accurate.
 - The Town of Fort Frances will have a comprehensive asset management plan that includes all of the information and analysis described in **Building Together: Guide for Municipal Asset Management** in place by December 31, 2013.
 - That the comprehensive asset management plan will be publicly available including online on the Town's website by May 30, 2014.
 - That the Colonization Road West Water Main Replacement Project will be completed by December 31, 2015.
- 2) That a copy of the resolution outlined in Item No. 1 will accompany the "Expression of Interest" Form to be submitted to the Ontario Ministry of Agriculture, Food and Rural Affairs prior to the deadline of November 1st, 2013.

Respectfully submitted,
Operations & Facilities Division



Doug Brown, P. Eng.
Manager Operations & Facilities

Council approval of this report will ensure the following:

- 1) That Council endorses a separate resolution – that includes the following information:
 - That the information in the "Expression of Interest" form is factually accurate
 - The Town of Fort Frances will have a comprehensive asset management plan that includes all of the information and analysis described in **Building Together: Guide for Municipal Asset Management** in place by December 31, 2013.
 - That the comprehensive asset management plan will be publicly available

including online on the Town's website by May 30, 2014.
-That the Colonization Road West Water Main Replacement Project will be completed by December 31, 2015.

- 2) That a copy of the resolution outlined in Item No. 1 will accompany the "Expression of Interest" Form to be submitted to the Ontario Ministry of Agriculture, Food and Rural Affairs prior to the deadline of November 1st, 2013.

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RECOMMENDED
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Dory Braun
EXECUTIVE COMM. *R. Widenberg*

Applicants must have a comprehensive asset management plan completed by December 31, 2013 that identifies the proposed project as a priority.

Applicants are encouraged to consider renewal, rehabilitation, and replacement projects before expansion projects. If expansion projects are proposed, applicants must have a plan to fund the lifecycle costs of the expansion (e.g., ongoing maintenance) consistent with their asset management plan.

3.3 Can a project include multiple components?

Yes, a single project may include multiple components. For example, a project to reconstruct a street including paving, watermain and sewer pipe work is acceptable. If a combined project is proposed, the applicant must clearly identify this in the project information section of the EOI. In addition, the applicant must provide details in the project description section of the EOI on how the components are all necessary to address the health and safety issue(s) identified.



In most cases, projects should not include components that are not connected (e.g. paving two streets located in different parts of a municipality).

3.4 Can two or more municipalities or Local Services Boards (LSBs) submit a joint project?

Yes, partnerships are encouraged. Working together may reduce administrative burdens, cut costs, draw on collective resources and expertise, and allow for strategic planning and innovation across a broader geographic area. As part of the evaluation of a project, additional consideration will be given to applicants that are pursuing projects in partnership with other municipalities, LSBs and/or First Nation communities. In addition, for joint projects, applicants may request up to \$2 million per municipality / LSB.

3.5 What project costs are eligible / ineligible for reimbursement?

Funds can be used for:

- Environmental Assessment Costs (if any)
- Design / Engineering Costs
- Project Management Costs
- Materials
- Construction
- Contingency Costs (Maximum 15%).

Proposed projects must include a capital component (i.e., studies and/or environmental assessments alone are ineligible projects).

The EOI form is available online [PDF]. Paper copies can also be obtained via fax or regular mail by calling 1-877-424-1300.

2. Make a declaration through council resolution or for LSBs, by resolution from the LSB board, certifying that:
 - the information in EOI is factually accurate; and
 - the municipality or LSB has a comprehensive asset management plan that includes all of the information and analysis described in *Building Together: Guide for Municipal Asset Management Plans* in place or will have one in place by December 31, 2013.
 - the comprehensive asset management plan will be publicly available, including online if the municipality/LSB has a website, by May 30, 2014.
 - the project put forward in this application will be completed by December 31, 2015.
3. Submit the 2012 municipal FIR to the Ministry of Municipal Affairs and Housing (if it has not already been submitted) by 5 p.m. EST on November 1, 2013. Note: LSBs are not required to complete this step. *submitted on May 31, 2013*
4. Submit the completed EOI form, along with the declaration, to the Ministry of Rural Affairs (MRA) by 5 p.m. EST on November 1, 2013.

EOIs will be accepted electronically or through regular mail. Municipalities and LSBs are encouraged to submit electronically, where possible.

If using an electronic EOI form

If submitting by email, please save the completed form to your desktop and send as an attachment to new-municipal-infrastructure@ontario.ca. Please attach the relevant documents to the email (e.g., council resolution).

If filling out a paper EOI form

If submitting a hardcopy of the completed form, all supporting documentation, including the applicable declaration documents must be sent to the following address:

*Small, Rural and Northern Municipal Infrastructure Fund – Capital Program
c/o Rural Programs Branch
Ministry of Rural Affairs
1 Stone Rd West, 4th Floor
Guelph ON N1G 4Y2*

6.2 Can a municipality or LSB send in more than one EOI?

Small, Rural and Northern Municipal Infrastructure Fund – Capital Program – Expression of Interest

The objective of the Small, Rural and Northern Municipal Infrastructure Fund - Capital Program is to support:

- Critical road, bridge, water and wastewater projects where the primary objective is to address urgent public health and safety issues or maintain public health and safety in the long-term
- Projects identified as priorities in municipal asset management plans
- Applicants with challenging economic conditions and limited fiscal flexibility, with additional consideration for applicants who are making significant infrastructure investments.

For more information, please refer to the Program Manual.

If submitting by email, please save the completed form to your desktop and send as an attachment to new-municipal-infrastructure@ontario.ca. Please attach the relevant documents to the email (e.g., council resolution).

If submitting a hardcopy of the completed form, all supporting documentation, including the applicable declaration documents must be sent to the following address:

Small, Rural and Northern Municipal Infrastructure Fund - Capital Program
c/o Rural Programs Branch
Ministry of Rural Affairs
1 Stone Road West, 4th Floor
Guelph ON N1G 4Y2

Please fill in all fields on this form that apply to your proposed project.

*Note if this is a joint project, please list all partners that are involved in this project, but only the contact information for the lead municipality/LSB.

Section 1 - Municipality/LSB contact information

Municipality/LSB*

The Corporation of the Town of Fort Frances

Mailing Address

Unit No./Suite/Apt.	Street No.	Street Name	
	320	Portage Avenue	
Rural Route	PO Box	Postal Station	County/District
n.a.	n.a.	n.a.	Rainy River District
City/Town		Province	Postal Code
Fort Frances		Ontario	P9A 3P9

Authorized Contact

Last Name	First Name	Middle Initial
Brown	Doug	D.C
Position	Telephone Number	Email Address
O & F Manager	807 274-9893	dbrown@fort-frances.com

Section 2 - Project Information

Project Name

Reconstruction of Colonization Road West

Project Type. (Please Check all that apply)

☒ Road ☐ Bridge ☒ Water ☒ Wastewater

Combined Projects - Which of the above is addressing the primary problem (road, bridge, water or wastewater)?

Water

For Bridge Projects - Has a Municipal Structure Inspection Form been completed within the last two years (if no, will it be completed by the application deadline)?

☐ Yes, currently have one or will have one by application deadline

☐ No

Note: Bridge or combined projects with bridge elements must have a completed Municipal Structure Inspection Form for the proposed bridge to be eligible for funding at the application stage.

Section 3 - Project Financial Information

Total Project Cost	Amount of provincial funding requested	Provincial Funding as % of Total project costs \$
\$1,774,803.00	\$1,183,202.00	66.70%

List the sources of financing for the project other than the provincial funding requested

	Funding source	Amount
1	Water Reserve Funds	\$295,800.00
2	Federal Gas Tax Revenue	\$295,801.00
	Total	\$591,601.00

Section 4 - Project Details

Please provide an estimated cost of the work plan as outlined below

Activities	Estimated Cost \$
Engineering/Design	\$81,439.68
EA/Permits	\$0.00
Project Management	\$81,439.67
Construction	\$1,628,793.44
Miscellaneous	\$179,167.27
Total Eligible Costs	\$1,970,840.06
Less Rebatale Taxes	\$196,037.54
Total Net Eligible Cost	\$1,744,802.52
Provincial Share at (must match Section 3)	\$1,183,201.68

Section 5 - Project Location

Unit No./Suite/Apt.	Street No.	Street Name		
	1302	Colonization Road West		
Rural Route	PO Box	Postal Station	County/District	
n.a.	n.a.	n.a.	Rainy River District	
City/Town	Province		Postal Code	
Fort Frances	Ontario			
Latitude		Longitude		

Section 6 - Health and Safety Issue Description

The issue description should clearly describe the current or future public health and/or safety problem arising from the current situation and the impact of the problem on the municipality or LSB (e.g., number of people affected).

There are 478 meters of water main which was originally installed in 1967 along Colonization Road West which needs to be replaced as this main is becoming less reliable to deliver water and service the homes & businesses in the west end of the community. The watermain in question is a 2-Bolt Bolt-lok joint bell end type pipe commonly known as "griffin" pipe. There are approximately 131- 2- bolt mechanical joints or connections along this 478 meter section of water main. This section of water main is an integral part of the west end of the community looping or interconnectivity of the water piping network. The issue with this section of the water main is that the two bolts at the mechanical joints are corroding and failing as a result of the corrosive soil environment where the Town is

required to repair these leaking joints once they occur. Just recently for example from June 2012 to June 2013 there were six water main breaks within the Town's entire water distribution system (consists of 71.2 kilometers of piping), where 3 out of the 6 breaks or 50% of the breaks occurred along this 478 meter section of water main and was a result of the failure of the two bolt mechanical connections. Because of the native soil deposits or conditions (high silt content) along this section of water main and the frost action all three breaks occurred during the winter months (January 8, February 8 & February 20 , 2013). The repair costs were doubled compared to a non-frost time repair. It is estimated at each one of the three water main breaks cost was approximately \$14,000. In order to ensure interconnectivity of the west end water piping network, this section of water main must be replaced so that potable water of high quality and quantity can be delivered to 204 properties in the west end of the community on a consistent basis. If the water main is not replaced in the near future, costly emergency repairs will most likely continue to occur during the winter months as the two bolt mechanical connections will continue to fail as a result of being exposed to the frost action. The water main is scheduled to be replaced as soon as possible during the 2014 construction season.

Section 7 - Project Description

The project description should outline the scope of the project and alternative options considered.

Due to the age of the infrastructure along this section of water main the Town will be undertaking a complete rebuild of the roadway. This will include the removal of the old asphalt surface, road base, curb and gutter, 478 meters of water main, 221 meters of sanitary sewer main, 3 sanitary sewer manholes, 19 storm sewer catchbasins & manholes and 74 meters of storm sewer leads. The water main will be replaced with new PVC water main, including isolation valves, and service lines to the property line. 220 meters of existing asbestos sanitary sewer main will be replaced with new PVC main including new manholes, new sewer service lines to the property line and a closed circuit television (CCTV) inspection of the completed main to check for deficiencies. The old CSP storm sewer catchbasin leads will be replaced with PVC storm sewer piping. Also 19 CSP storm sewer manholes and catch basins will be replaced with precast concrete manholes and catchbasins. Finally the existing concrete curb and gutter, road base and asphalt surface will be replaced. The work will be scheduled to be completed during the 2014 construction season once the frost is out of the ground. In October 2013, the Town's consultant, Hatch-Mott-McDonald has already completed a pick up survey in order to prepare a tender package-engineering drawings. It is the Town's intent to call a tender in late February of 2014 with awarding taking place at the end of March of 2014.

If this is a joint project in partnership with other municipalities, LSBs and/or First Nation communities, please describe the nature of the partnership.

The water main replacement project is within the Town limits of Fort Frances, thus there are no other partners available only the water & sanitary sewer customers of Fort Frances.

Section 8 - Project Rationale

Please describe how the project would reduce or eliminate the current or future public health and/or safety problem.

By having a sound, reliable, non-corrosive watermain in place this will reduce the number of water main breaks within this section of the west end water distribution system, which in return will reduce the level of exposure for 27 property owners to a risk of contaminates that enter the water distribution system under break repair scenarios i.e.- zero water pressure events. Also by replacing this section of water main will ensure that the west end looping characteristics of the water distribution system is maintained so that 204 property owners receive a high quality and quantity of potable water on a consistent basis and limit the exposure to any deterioration in quality due to break repair events.

Section 9 - Asset Management Planning

Is the proposed project a priority within your municipality's or LSB's comprehensive asset management plan? If your municipality/LSB is developing an asset management plan for December 31, 2013 but has not yet completed it, is the proposed project expected to be a priority within the plan once complete?

- ☒ Yes, the proposed project is a part of the comprehensive asset management plan or expected to be once completed
- ☐ No
- ☐ Other (explain)

Note: Applicants that pass the pre-screen and are invited to submit a detailed application will be required to include their asset management plan with their application.

Section 10 - Declaration

Each Expression of Interest must be accompanied by a declaration*. For municipalities, the declaration must be made by council resolution. For LSBs, the declaration must be made by resolution from the LSB board.

I certify that

- the information in the Expression of Interest is factually accurate; and
- the municipality or LSB has a comprehensive asset management plan that includes all of the information and analysis described in [Building Together: Guide for Municipal Asset Management Plans](#) in place or will have one in place by December 31, 2013.
- the comprehensive asset management plan will be publicly available, including online if the municipality/LSB has a website, by May 30, 2014.
- the project put forward in this application will be completed by December 31, 2015.

I have the authority to bind the municipality/LSB.

Last Name Brown	First Name Doug	
Title Operations & Facilities Manager, P. Eng.	Date (yyyy/mm/dd) 2013/10/28	

*If submitting an electronic copy of the resolution, please attach this document to the email submitted

Section 11 - Documents Submitted With This Expression of Interest

Please outline any files or documents (e.g., council resolution) you will be submitting along with this Expression of Interest.

If you are submitting this form by email, write a description of the file's contents to the left and indicate the file name or hyperlink to the right.

Attach all documents to the same email as this form.

If you are submitting this form by mail, simply write a description of each document you are submitting along with this Expression of Interest, in the left-hand column.

Documents attached

Description	File name
Cost Estimate of Project including HST and Contingency Typical Picture of 2 bolt mechanical connection	2013OctoberColonizationRoadWest.pdf

Submission

Expressions of Interest must be received by 5 p.m. EST on November 1, 2013.

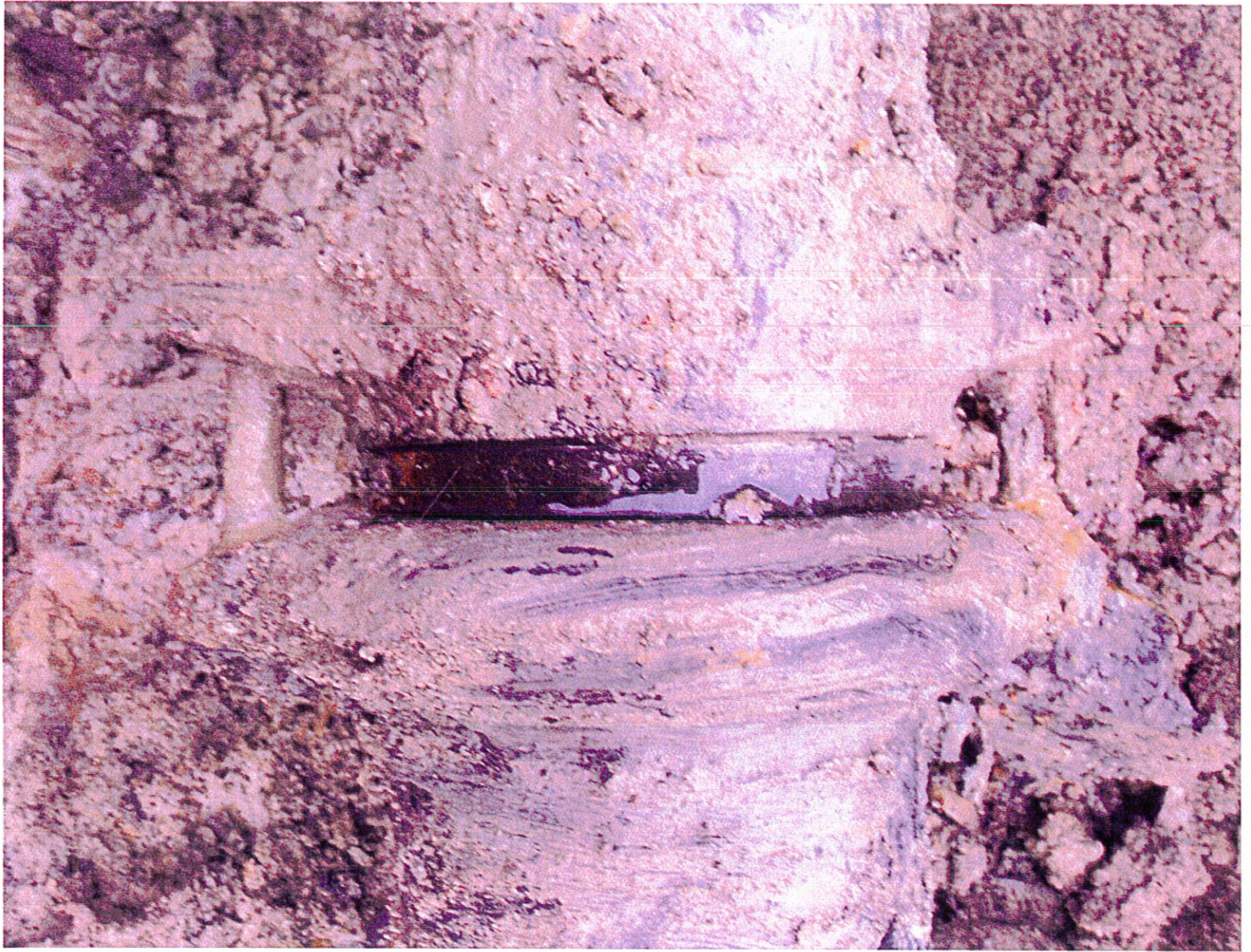
Questions? Call 1 877 424 1300 or send an email to new-municipal-infrastructure@ontario.ca

Mailing address

Small, Rural and Northern Municipal Infrastructure Fund - Capital Program
c/o Rural Programs Branch
Ministry of Rural Affairs
1 Stone Rd West, 4th Floor
Guelph ON N1G 4Y2







**Cost Estimate Colonization Road
West VAL012 to VAL014**

ITEM NO.	OPS. SPEC.	DESCRIPTION	EST. QTY	UNIT	2013 AVERAGE COSTS	
Colonization Road West RECONSTRUCTION						
Section A - Grading						
A.001	206, SP	Earth Excavation (Grading)	4,325	m ³ (P)	\$10.41	\$45,023.25
A.002	310, SP	Hot Mix HL4 Asphalt	1,512	t	\$230.58	\$348,563.17
A.003	314, SP	Granular 'A'	2,082	t	\$19.70	\$41,015.40
A.004	314, SP	Granular 'B' (Type 1)	5,963	t	\$16.21	\$96,653.26
A.005	510, SP	Removal of Asphalt Pavement (Full Depth)	5,258	m ² (P)	\$3.27	\$17,193.66
A.006	510, SP	Remove Curb and Gutter	956	m (P)	\$9.20	\$8,795.20
A.007	510, SP	Remove Concrete Driveway, and Aprons	248	m ²	\$54.50	\$13,516.00
A.008	510, 351, SP	Concrete Driveways and Aprons	248	m ²	\$216.96	\$53,806.08
A.009	353, SP	Concrete Curb and Gutter (R-109-5)	956	m	\$172.24	\$164,661.44
A.010	Section 02076	100 mm Topsoil and Sod	2,266	m ²	\$11.76	\$26,648.16
Total Section A - Grading						\$ 815,875.62
Section B - Storm Sewers						
B.001	510, SP	Remove Existing Catchbasins and Manholes	19	ea	\$539.20	\$10,244.80
B.002	510, SP	Remove Existing Catchbasin Leads	74	m	\$21.32	\$1,577.68
B.007	407, SP	Catchbasins	11	ea	\$2,615.60	\$28,771.60
B.008	407, SP	Catchbasin Manholes	8	ea	\$4,910.40	\$39,283.20
B.010	410, SP	250 mm PVC SDR 35 Catchbasin Leads	74	m	\$153.82	\$11,382.68
B.011	410, SP	Connect to Existing Storm Sewer	1	ea	\$1,477.00	\$1,477.00
Total Section B - Storm Sewers						\$92,736.96
Section C - Watermain						
C.001	441, SP	Remove and Replace existing 150mm Watermain with New 150mm PVC DR 18 Class 150 Watermain	478.0	m	\$299.22	\$143,027.16
C.002	441, SP	New 150 mm Water Valve and Box	3	ea	\$2,011.40	\$6,034.20
C.003	441, SP	Remove and Replace 19mm Copper Water Service	27	ea	\$2,242.20	\$60,539.40
C.004	441, SP	Temporary Water Service	1	LS	\$20,000.00	\$20,000.00
C.005	441, SP	Remove and Replace Hydrant Sets	4	ea	\$8,146.20	\$32,584.80
Total Section C - Watermain						\$ 262,185.56
Section D - Sanitary						
D.001	408, SP	Supply, Adjust and Install New Adjustable Manhole Frame and Cover on Existing Sanitary Manhole	2	ea	\$1,453.20	\$2,906.40
D.002	510, SP	Remove Existing Sanitary Manhole	3	ea	\$859.00	\$2,577.00
D.003	410, 310, SP	Remove Existing 300 mm Sanitary Sewer	221	ea	\$51.90	\$11,469.90
D.004	410, SP	300 mm PVC SDR Sanitary Sewer	221	m	\$340.44	\$75,237.24
D.005	410, SP	Remove and Replace Existing 150 mm Sanitary Service	24	ea	\$2,037.80	\$48,907.20
D.006	410, SP	Sanitary Manhole	3	ea	\$5,546.40	\$16,639.20
D.007	409, SP	Closed Circuit Television Inspection of Sewer Mainline	221	m	\$13.92	\$3,076.32
D.008	SP	Sanitary Sewer Bedding Upgrade	221	m	\$18.92	\$4,181.32
Total Section D - Sanitary						\$ 164,994.58
Total Williams Av. Reconstruction						\$ 1,335,792.72
SECTION G - GENERAL						
G.001		Bonds & Insurance	1	LS	\$34,133.40	\$34,133.40
G.002		Mobilization & Demobilization	1	LS	\$71,484.00	\$71,484.00
G.003		Contingency Allowance	1	LS	\$0.00	\$0.00
Total Section G - General						\$ 105,617.40
SUMMARY OF TENDER PRICES						
COLONIZATION ROAD WEST RECONSTRUCTION						
Section A - Grading						\$ 815,875.62
Section B - Storm Sewers						\$ 92,736.96
Section C - Watermain						\$ 262,185.56
Section D - Sanitary						\$ 164,994.58
Colonization Road West Reconstruction Total						\$ 1,335,792.72
SECTION G - GENERAL						
General Total						\$ 105,617.40
SUB-TOTAL						\$ 1,441,410.12
13% HST						\$ 187,383.32
TOTAL TENDER PRICE						\$ 1,628,793.44
Engineering Cost 10%					\$144,141.01	\$81,439.67
Subtotal					\$1,585,551.14	\$162,879.34
10% Contingency Allowance					\$158,555.11	\$179,167.28
Total					\$1,744,106.25	\$197,167.28
Town's portion of HST					\$30,696.27	\$1,970,840.06
Grand Total					\$1,774,802.52	