



Regular Council Meeting

To:	Mayor and Council
Date:	March 7, 2022
From:	Wayne Hancock, Director of Public Works
Report Number:	Public Works 2022-03
Subject:	Firehall Bridge in Millbrook Municipal Class EA and Decorative Railings

Recommendations:

1. That Council receive Public Works Report No. 2022-03 Firehall Bridge Millbrook Municipal Class EA and Decorative Railings for information; and
2. That Council approve the cost sharing of decorative railings with Peterborough County up to \$ 40,000 to be funded through the Federal Tax Grant Reserve.

Overview:

Peterborough County is preparing for the rehabilitation of the Firehall Bridge in 2022 which includes a Municipal Class Environmental Assessment (MCEA) process for the bridge located on King Street East (County Road 21) in the settlement area of Millbrook in the spring of 2022 (Attachment No. 1, Notice to Public). The project is classed as a Schedule A+ project under the Municipal Class Environmental Assessment process and is pre-approved to proceed. Public consultation process will be managed by the County of Peterborough, the Notice to the Public that will be distributed to adjacent property owners and a project signboard that will be posted at the site. The bridge requires rehabilitation with the County to complete the full works necessary. Proposed timelines for the construction includes a tentative start date of June 1, 2022 with completion anticipated by October 31, 2022.

Township staff suggested that this bridge should include decorative railings and design to match the Baxter Creek Bridge on Needlers Lane. Township Staff met with County Staff and have proposed cost sharing of 50 % for the decorative railings. The recommended allowance for the Township's share of the decorative railing cost is \$ 40,000 as noted in the cost estimate provided by the County (Attachment No. 2, Decorative Railings Cost Estimate).

Due to the nature of the proposed rehabilitation works, single lane traffic will be required with a single light for this section of King Street East for the duration of the works, which has a tentative start date of June 1, 2022 – October 31, 2022 (Attachment No. 3, Draft Traffic Staging Plan).

Township Staff have advised the Business Improvement Area of the Firehall rehabilitation and asked the BIA for confirmation on the scheduled planed event dates so that when the tender is issued the event dates are identified within the document to ensure cooperation.

Financial Impact:

The Finance Director has suggested that the Township's portion of the cost for the decorative design and railings of \$40,000 (50% by the Township and the County) be funded through the Federal Tax Grant Reserve.

Attachments:

Attachment No. 1 – Notice to Public, MCEA process for the Rehabilitation of Firehall Bridge

Attachment No. 2 – Decorative Railings Cost Estimate

Attachment No. 3 – Draft Traffic Staging Plan of King Street East (County Road 21)

Respectfully Submitted by,

Reviewed by,

Wayne Hancock
Director of Public Works

Yvette Hurley
Chief Administrative Officer



Notice to Public County of Peterborough Municipal Class Environmental Assessment Rehabilitation of Firehall Bridge in Millbrook

The County of Peterborough is preparing for the rehabilitation of Firehall Bridge in 2022, located on County Road (CR) 21 (King Street East) in the settlement area of Millbrook. Following the Municipal Class Environmental Assessment process as a Schedule A+ undertaking, public input is invited for incorporation into the planning and design of the project.

Site Plan



The projected timelines for construction includes a **tentative start date of June 1, 2022, with completion anticipated by October 31, 2022**, subject to weather constraints and other factors.

Due to the nature and extent of the rehabilitation required to various elements of the bridge, single traffic lane restrictions will be in place for an extended period of time. A copy of the preliminary traffic management plan and other project information is available on the County website at:

[Notices of Construction - County of Peterborough \(ptbocounty.ca\)](http://ptbocounty.ca)

Staff from the County and Project Lead Consultant are available to respond to any questions. Please contact the following individuals for any additional information:

<p>Troy Steele, P.Eng. Senior Structural Engineer D.M. Wills Associates Limited 150 Jameson Drive Peterborough, ON, K9J 0B9 Phone: (705) 742-2297 ext. 225 Email: tsteele@dmwills.com</p>	<p>Peter Nielsen, C.E.T. Manager, Capital Projects County of Peterborough Planning & Public Works Department 310 Armour Road Peterborough, ON, K9H 1Y6 Phone: (705) 775-2737 ext. 3200 Email: Pnielsen@ptbocounty.ca</p>
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Distillery Street Bridge invoiced cost for premium for decorative railings

Span = 9.0m		invoice	each	cost/each
Architectural concrete finish	3 sides of railing	\$ 15,000	1 side	\$ 5,000
Aluminum railing - black	2 total	\$ 30,000	1 only	\$ 15,000
Aluminum approach railing - black	2 total	\$ 9,000	1 only	\$ 4,500
		\$ 54,000		

Firehall Bridge estimated cost for premium for decorative railings

Span = 11.3m	assumed	estimate
Architectural concrete finish	4 sides of railing	\$ 20,000
Aluminum railing - black	2 total	\$ 30,000
Aluminum approach railing - black	4 total	\$ 18,000

\$ 68,000 estimated 2015 cost
 \$ 78,111 estimated 2015 cost inflated 2% per year to 2022
\$ 39,055 50/50 share each - County/Township

\$40,000 recommended allowance for share of decorative railings

Attachment No. 3

METRIC
 DIMENSIONS ARE IN METRES AND/OR
 MILLIMETRES UNLESS OTHERWISE SHOWN
 DRAWING NOT TO BE SCALED
 100mm ON ORIGINAL DRAWING

PETERBOROUGH COUNTY

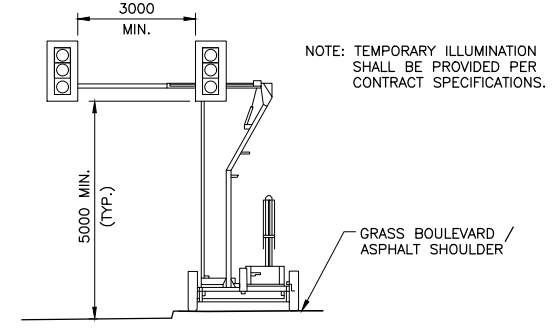


**FIREHALL BRIDGE
 REHABILITATION**

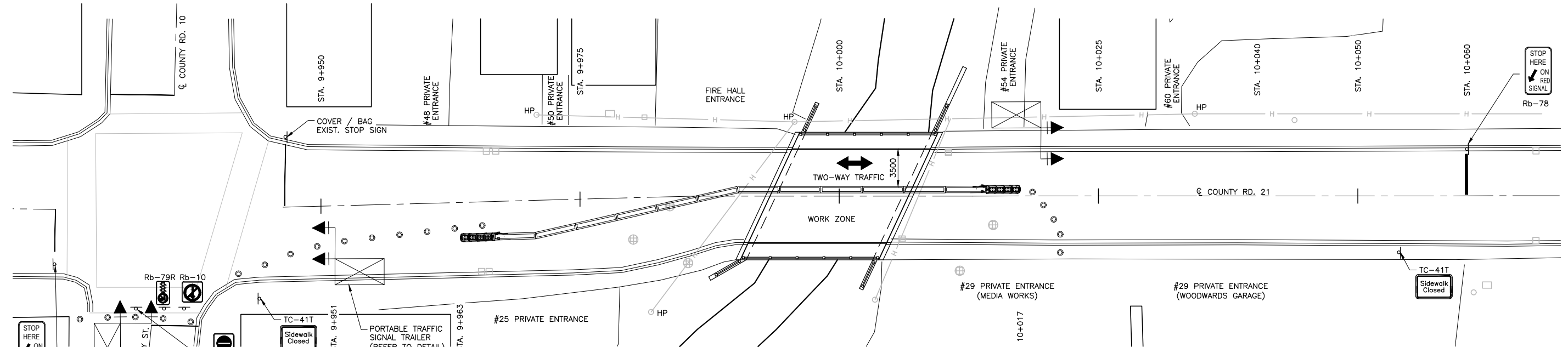
**SHEET
 02**

TRAFFIC STAGING

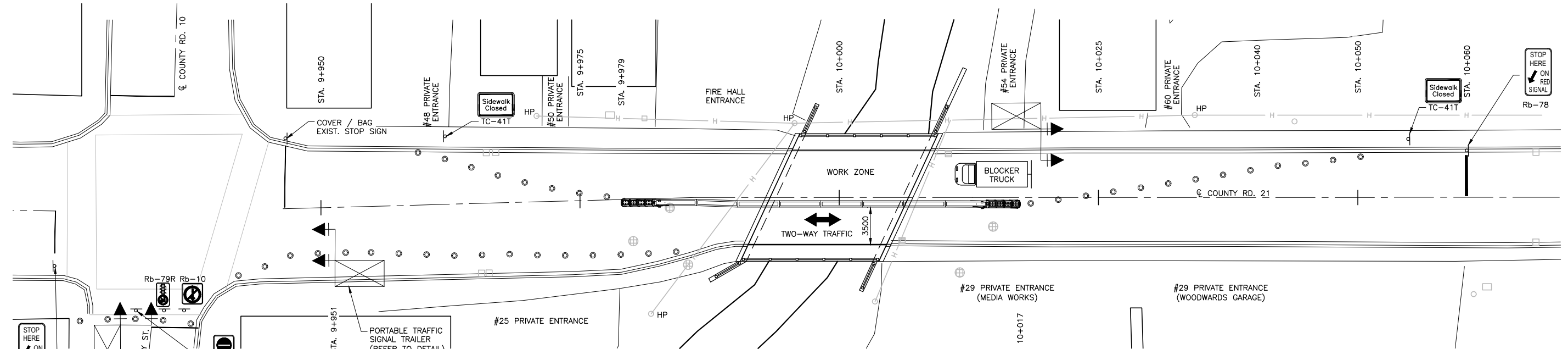
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 E. wills@dmwills.com



TEMPORARY PORTABLE SIGNAL DETAIL



PLAN - STAGE 1
 SCALE 1:200



PLAN - STAGE 2
 SCALE 1:200

REVISIONS	DATE	BY	DESCRIPTION

DESIGN	T.S.	CHK	D.B.	CODE	S6-19	LOAD CL-625-ONT	DATE	FEB. 2022
DRAWN	T.S.	CHK	D.B.	SITE	B021001		DWG	R1-2

FILE NAME: Y:\9200 - 9299\9285 - Peterborough - Various Bridges\02 Drawings\Current Drawings\Firehall\9285 - Firehall Bridge.dwg
 CREATED: 2022-02-02
 MODIFIED: 2022-02-02 16:05
 ARCH-D 2018-05
 MINISTRY OF TRANSPORTATION, ONTARIO