

Appendix H: Indigenous Consultation

- Mississaugas of the Credit First Nation
- Six Nations of the Grand River
- Haudenosaunee Confederacy Chiefs Council as represented by Haudenosaunee Development Institute

Mississaugas of the Credit First Nation

Talpur, Mir

From: Abby LaForme <Abby.LaForme@mncfn.ca>
Sent: Monday, September 26, 2022 1:45 PM
To: Shams, Aniq
Cc: Talpur, Mir; Sinke, David; Felker, Bob; Syed Rizvi; Mark LaForme; Maher, Trina; Adam LaForme
Subject: RE: Town of Oakville - McCraney Creek Bridge Replacement - Draft Project File Report (SNGR)

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Good Afternoon Aniq,

Thank you for sending the link.

Currently, MCFN has no comments or concerns regarding the Consultation for the McCraney Bridge Replacement Project.

I have forwarded the Stage 1 Archaeological Assessment to Adam, who will follow up with comments regarding Archaeology.

Thank you

Abby LaForme,
Acting Consultation Coordinator



Mississaugas of the Credit First Nation (MCFN)
Department of Consultation & Accommodation (DOCA)
4065 Highway 6, Hagersville, ON N0A 1H0
Ph: (905) 768 – 4260
Email: Abby.LaForme@mncfn.ca

From: Shams, Aniq <aniqa.shams@wsp.com>
Sent: Monday, September 26, 2022 9:58 AM
To: Abby LaForme <Abby.LaForme@mncfn.ca>
Cc: Talpur, Mir <mir.talpur@wsp.com>; Sinke, David <david.sinke@wsp.com>; Felker, Bob <bob.felker@wsp.com>; Syed Rizvi <syed.rizvi@oakville.ca>; Mark LaForme <Mark.LaForme@mncfn.ca>; Maher, Trina <trina.maher@wsp.com>
Subject: Town of Oakville - McCraney Creek Bridge Replacement - Draft Project File Report (SNGR)

Hello Abby,

The Town of Oakville is undertaking an environmental assessment for the replacement of the McCraney Creek Bridge that is located over McCraney Creek, on Lakeshore Road West immediately to the east of Fourth Line. The bridge was built in 1940. Due to its deteriorating condition, ongoing erosion and risk of flooding, the bridge requires replacement. A Public Information Centre was hosted from June 16 to June 30, 2022 to share the recommended solution for bridge replacement.

The Study Team has now prepared the “**Draft**” **Project File Report** for this Class EA Study. You are invited to review the draft report and provide any comments by **October 26, 2022**. After this review period, the Study Team will finalize the report and issue it for a formal 30-day review period along with a Notice of Completion.

Download Link:  [11- McCraney Creek Bridge - Draft Project File Report-26-09-2022](#)

As a reminder of previous engagement, Mississaugas of the Credit First Nation sent the Study team a letter on July 28, 2022, noting no comments or concerns at this time (see below). Please let us know if you have any comments or concerns about the Draft Project File Report.

Feel free to contact me if you encounter any issues with downloading the file, or if you prefer any other method of file transfer.

Best regards,
Aniqa



Aniqa Shams

Human Environment Consultant
MCIP, RPP
She/Her

M+ 1 416-357-2093

WSP E&I Canada Limited
2020 Winston Park Dr #700
Oakville, Ontario
L6H 6X7 Canada

wsp.com

July 28, 2022

Syed Rizvi
Transportation Engineer,
Town of Oakville

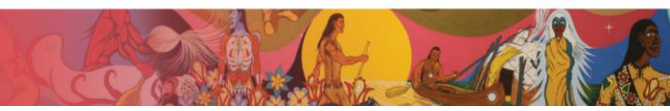
Dear Gillian,

We are the Mississaugas of the Credit First Nation (MCFN), the descendants of the Mississaugas of the River Credit. Our traditional territory extends from the Rouge River Valley in the east, across to the headwaters of the Thames River, down to Long Point on Lake Erie, and back along the shores of Lake Erie, the Niagara River, and Lake Ontario to the Rouge River Valley. It encompasses present-day London, Hamilton, and Toronto, as well as our communal lands. Our traditional territory has defined and sustained us as a First Nation for countless generations, and must continue to do so for all our generations to come.

Thank you for your notification on *McCraney Creek Bridge Replacement* dated *June 6, 2022*. The MCFN has treaty rights across its traditional territory, including the area contemplated by your project. For further information, please see our website, <http://www.newcreditfirstnation.com/>. MCFN continues to exercise treaty rights which include, but are not limited to, rights to harvest, fish, trap and gather species of plants, animals and insects for any purpose including food, social, ceremonial, trade and exchange purposes. The MCFN also has the right to use the water and resources from the rivers, creeks and lands across the MCFN traditional territory.

At this time, MCFN *does not* have a high level of concern regarding the proposed project and therefore, by way of this letter, approves the continuation of this project. However, MCFN requests that you continue to notify us about the status of the project. **In addition, we respectfully ask you to immediately notify us if there are any changes to the project as they may impact MCFN's interests and that you please provide us with a copy of all associated environmental and archaeology reports.** This includes, but is not limited to changes related to the scope of work and expected archaeological and environmental impacts.

Additionally, MCFN employs Field Liaison Representatives (“FLRs”) to act as official representatives of the community and who are answerable to MCFN Chief and Council through the Department of Consultation and Accommodation. The FLRs’ mandate is to ensure that



MCFN's perspectives and priorities are considered in the field and to enable MCFN to provide timely, relevant, and meaningful comment on the Project. Therefore, **it is MCFN policy that FLRs are on location whenever any fieldwork for environmental and/or archaeological assessments are undertaken.** It is expected that the proponent will cover the costs of this FLR participation in the fieldwork. Please also provide the contact information of the person, or consultant, in charge of organizing this work so they may facilitate the participation of the MCFN FLRs.

Nothing in this letter shall be construed as to affect the Aboriginal or Treaty rights and hence shall not limit any consultation and accommodation owed to MCFN by the Crown or any proponent, as recognized by section 35 of the Constitution Act, 1982.

MCFN reserves the right in relation to any development project or decision, to decide whether it supports a project and to: comment to regulators, participate in regulatory processes and hearings, seek intervener funding or status, or to challenge and seek remedies through the courts.

MCFN expects the Crown and all proponents to act according to the following best practices:

- Engage early in the planning process, before decisions are made
- Provide information in meaningful and understandable formats.
- Convey willingness to transparently describe the project and consider MCFN concerns.
- Recognize the significance of cultural activities and traditional practices of the MCFN
- Demonstrate a respect for MCFN knowledge and uses of land and resources.
- Understand the importance of youth and elders in First Nation communities.
- Act with honour, openness, transparency and respect.
- Be prepared to listen and allow time for meaningful discussion.

Sincerely,



Abby LaForme
Acting Consultation Coordinator
MCFN Department of Consultation and Accommodation

cc – Mark LaForme; Director, Department of Consultation and Accommodation



From: [Abby LaForme](#)
To: [Shams, Aniq](#)
Cc: [Talpur, Mir](#); [Sinke, David](#); [Felker, Bob](#); [Syed Rizvi](#); [Mark LaForme](#)
Subject: RE: Town of Oakville - McCraney Creek Bridge EA - Notice of Study Commencement and PIC (MCFN)
Date: Thursday, July 28, 2022 5:29:57 PM
Attachments: [image002.jpg](#)
[image001.png](#)
[Response Letter, Syed Rizvi, McCraney Creek Bridge Replacement, July 28, 2022.pdf](#)

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Good Afternoon,

Thank you for reaching out to MCFN DOCA for Consultation.
After reviewing the information provided. MCFN DOCA has no comments or concerns at this time.
Please see attached letter for more information.

Thank you

Abby LaForme,
Acting Consultation Coordinator



Mississaugas of the Credit First Nation (MCFN)
Department of Consultation & Accommodation (DOCA)
4065 Highway 6, Hagersville, ON N0A 1H0
Ph: (905) 768 – 4260
Email: Abby.LaForme@mncfn.ca

From: Shams, Aniq <aniqa.shams@woodplc.com>
Sent: Thursday, July 28, 2022 9:46 AM
To: Abby LaForme <Abby.LaForme@mncfn.ca>
Cc: Talpur, Mir <mir.talpur@woodplc.com>; Sinke, David <david.sinke@woodplc.com>; Felker, Bob <bob.felker@woodplc.com>; Syed Rizvi <syed.rizvi@oakville.ca>; Mark LaForme <Mark.LaForme@mncfn.ca>
Subject: RE: Town of Oakville - McCraney Creek Bridge EA - Notice of Study Commencement and PIC (MCFN)

Hi Abby,

We wanted to follow-up on the email below – did you have a chance to review the PIC materials and reports on the project website? If so, please do let us know if you have any comments or questions at this time.

Thank you,
Aniq

Aniq Shams, RPP, MCIP
Human Environment Consultant
Pronouns – She/Her/Hers
Mobile: + (416) 357-2093
www.woodplc.com



From: Shams, Aniq
Sent: Monday, June 6, 2022 3:40 PM
To: Abby LaForme <Abby.LaForme@mncfn.ca>
Cc: Talpur, Mir <mir.talpur@woodplc.com>; Sinke, David <david.sinke@woodplc.com>; Felker, Bob <bob.felker@woodplc.com>; syed.rizvi@oakville.ca; Mark LaForme <Mark.LaForme@mncfn.ca>
Subject: Town of Oakville - McCraney Creek Bridge EA - Notice of Study Commencement and PIC (MCFN)

Hi Abby,

The Town of Oakville has begun an Municipal Class Environmental Assessment Study (Class EA) to address the need to replace the McCraney Creek Bridge, located over McCraney Creek, on Lakeshore Road in Oakville. The town will be holding an online Public Information Centre from June 16, 2022 to June 30, 2022. The Project File Report is expected to be completed and provided for review in the Fall / Winter of 2022.

We look forward to working with you on this Class EA Study. Please let us know if you are interested in discussing this Study in more detail or have questions at any point during the Study. We would be pleased to arrange a phone call or virtual meeting

Best Regards,
Aniq

Aniq Shams, RPP, MCIP
Human Environment Consultant
Pronouns – She/Her/Hers
Mobile: + (416) 357-2093
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Mississaugas of the Credit First Nation
6 First Line Rd., R.R. #6
Hagersville, ON N0A 1H0

June 6, 2022

**RE: Notice of Study Commencement and Online Public Information Centre
McCraney Creek Bridge Replacement – Class Environmental Assessment**

Abby LaForme and Mark LaForme,

The Town of Oakville (town) has initiated a Municipal Class Environmental Assessment (Class EA) for the replacement of the McCraney Creek Bridge, located on Lakeshore Road West over McCraney Creek, immediately to the east of Fourth Line (Study). The bridge was built in 1940. Due to its deteriorating condition, ongoing erosion and risk of flooding, the bridge requires replacement. The town has retained Wood Environment & Infrastructure (Wood) to undertake this Study.

Mississaugas of the Credit First Nation was previously contacted about McCraney Creek Bridge Replacement as part of consultation for Lakeshore Road West Improvements Class EA Study. The town is committed to involving Indigenous Nations in the Study. More information about the Study can be found in the attached summary and the Notice of Study Commencement and Online Public Information Centre. Please feel free to share this information within your community as you feel appropriate.

We are interested in understanding any interests or questions the Mississaugas of the Credit First Nation may have about the Study. We are also interested to know if there are any sites of cultural significance to your community, within, or near the study area. The town welcomes the opportunity to meet with you and your community to provide more information about the Study and discuss any interests or questions you may have.

Please do not hesitate to contact me if you have any questions or concerns.

Sincerely,

Syed Rizvi

Syed Rizvi, M.Sc., P.Eng.

Transportation Engineer

Town of Oakville

905-845-6601, ext.3981

syed.rizvi@oakville.ca

Cc: David Sinke, Wood
Mir Talpur, Wood

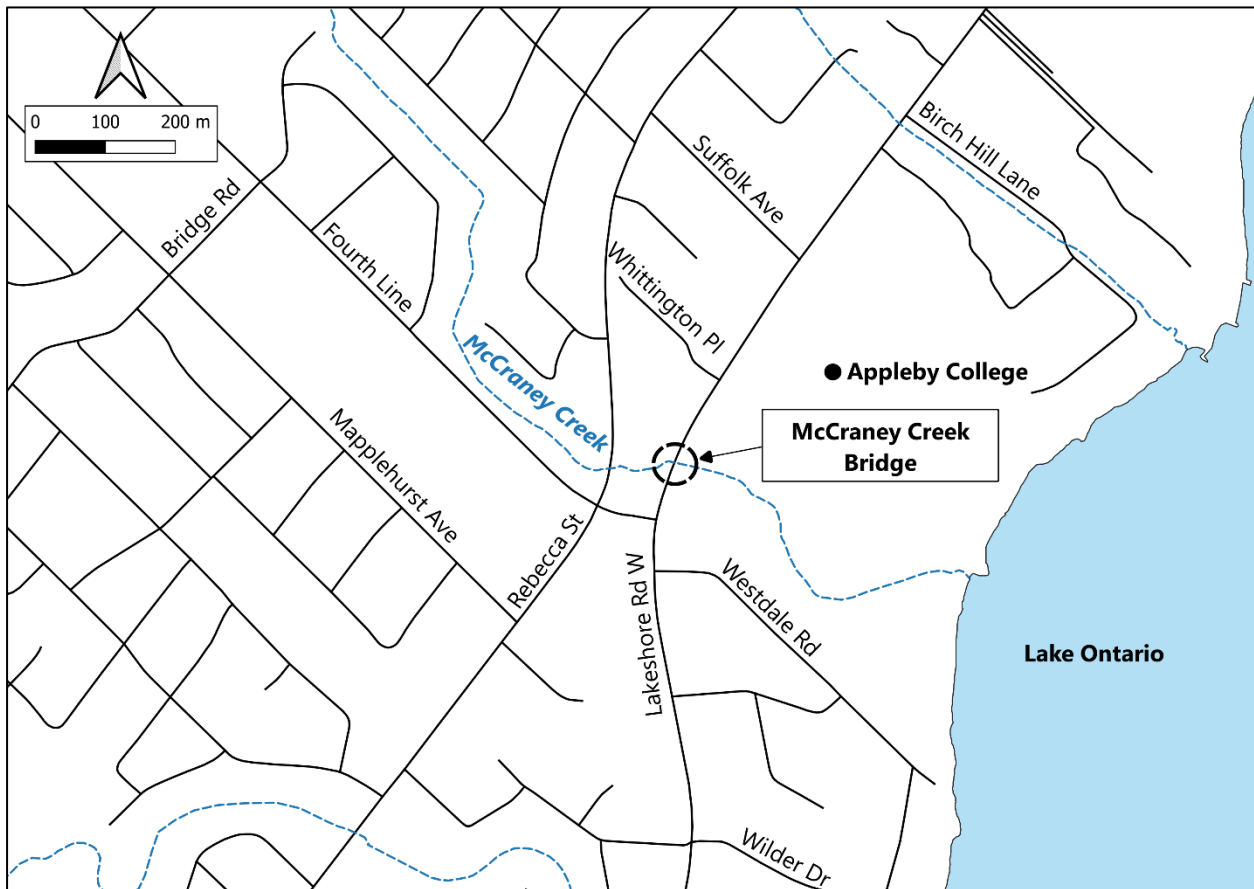
Encl: Project Information Summary, Notice of Study Commencement and Online Public Information Centre

Municipal Class Environmental Assessment for McCraney Creek Bridge Replacement (Town of Oakville)

Study Background

The Town of Oakville (town) has initiated a Municipal Class Environmental Assessment (Class EA) Schedule 'B', as outlined in the Municipal Class EA document (October 2000, as amended in 2015) for the replacement of the McCraney Creek Bridge. The bridge is located on Lakeshore Road West over McCraney Creek, immediately to the east of Fourth Line (Study). The location of McCraney Creek Bridge is shown in Figure 1 below.

Figure 1: Location of McCraney Creek Bridge



The McCraney Creek Bridge is a concrete arch structure built in 1940 and was subsequently extended with a box culvert section. In July 2017, emergency work was undertaken to temporarily stabilize the road embankment slope as a result of the north-west wingwall collapse. Further erosion issues have been identified through bridge inspections. In addition, the structure conveys the water flows associated with 100-year

storm event, however, modelling indicates that the bridge is overtopped by the Regional storm by approximately 1.40 m. Due to the condition of this crossing, it requires replacement.

Current Study

This Municipal Class EA Study will build on and utilize information from previously completed reports, developed as part of the Lakeshore Road West Improvements Study, which was initiated in November 2016, as a Schedule 'C' Municipal Class EA Study. On July 6, 2021, the Town of Oakville Council held a Special Council meeting, where Town Council directed staff to terminate the Municipal Class EA for Lakeshore Road West improvements, and instead proceed with a separate Municipal Class EA for the McCraney Creek Bridge Replacement, using information, analysis and design from the Lakeshore Road West Study, including alternatives considered and evaluated, that were previously shared with the public, government agencies, Indigenous Nations, and key stakeholders as part of the consultation process

As part of this Class EA Study for McCraney Creek Bridge Replacement, consultation with the public, government agencies, Indigenous Nations and key stakeholders is being completed to share the preferred solution for bridge replacement. Existing conditions within the Study Area, consultation process, project description, project's effects and proposed mitigation measures and next steps will be documented in a Project File Report, which will be made available for a formal public review period.

Schedule and Next Steps

- Online Public Information Centre: June 16, 2022 – June 30, 2022
- Project File Report: Fall / Winter 2022

Contact Information

Syed Rizvi, M.Sc., P.Eng.
Transportation Engineer
Town of Oakville
905-845-6601, ext.3981
syed.rizvi@oakville.ca

David Sinke, B.Eng. Mgt., P.Eng.
Principal, Transportation Engineering
Wood Environment and Infrastructure Solutions
905-630-5842
david.sinke@woodplc.com

To be the most livable town in Canada.

McCraney Creek Bridge Replacement Notice of Study Commencement and Online Public Information Centre

The Study: The town has initiated an environmental assessment for the replacement of the McCraney Creek Bridge that is located over McCraney Creek, on Lakeshore Road West immediately to the east of Fourth Line. The bridge was built in 1940. Due to its deteriorating condition, ongoing erosion and risk of flooding, the bridge requires replacement.

The process: This Study will satisfy the requirements of a Schedule 'B' project as outlined in the Municipal Class

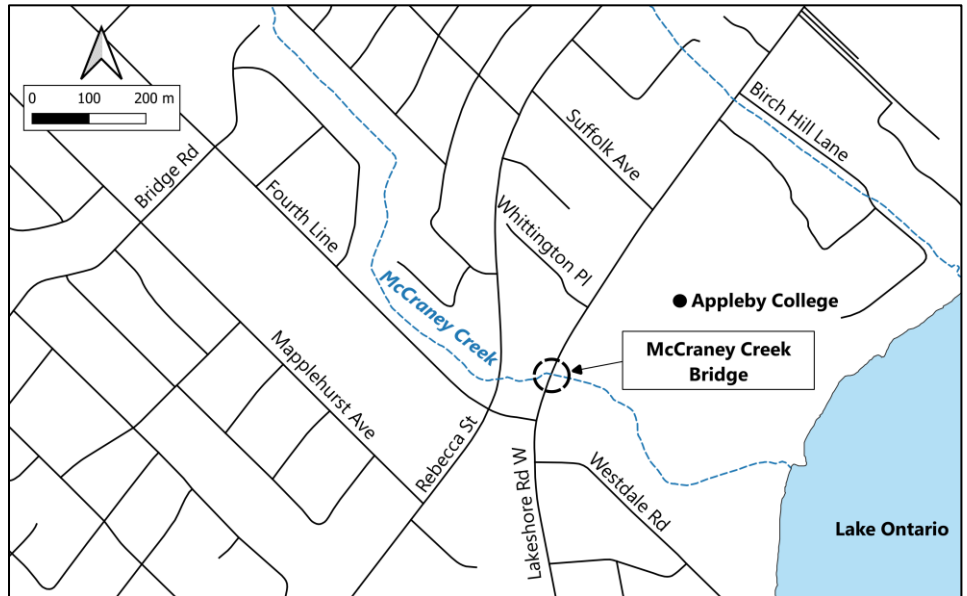
Environmental Assessment (Class EA) document (October 2000, as amended in 2015). This Class EA Study will build on and utilize information from previously completed reports that were developed as part of the Lakeshore Road West Improvements Class EA Study.

Online consultation: The town is hosting a Public Information Centre to share the recommended solution for bridge replacement. Information materials will be available on oakville.ca by searching McCraney Creek Bridge EA, from June 16 to 30, 2022. We encourage you to participate by reviewing the information materials and providing any comments on the online comment form by June 30, 2022. You are also invited to attend the Online Presentation on Tuesday, June 21, 2022, at 6 p.m. where there will be an opportunity to ask any questions of the study team and provide comments. Please visit the project web page on oakville.ca for details on how to join the meeting.

Your Input is Important! Following this public consultation, the Class EA study team will review all the comments received and incorporate them into the Project File Report (PFR), as required. A Notice of Completion will be issued once the PFR is finalized, and it will be made available online for review for a minimum 30-day review period. We look forward to hearing from you. If you have any questions or comments, please contact the following Class EA study team members:

Syed Rizvi, M.Sc., P.Eng.
Transportation Engineer
Town of Oakville
905-845-6601, ext.3981
syed.rizvi@oakville.ca

David Sinke, B.Eng. Mgt., P.Eng.
Principal, Transportation Engineering
Wood Environment and Infrastructure Solutions
905-630-5842
david.sinke@woodplc.com



Six Nations of The Grand River

Talpur, Mir

From: Tanya Hill-Montour <tanyahill-montour@sixnations.ca>
Sent: Friday, October 28, 2022 6:16 AM
To: Shams, Aniq
Cc: Dawn Russell; nativelandsltd@gmail.com; Lonny Bomberly; Lauren Jones; Tayler Hill; Dawn LaForme; Syed Rizvi; Sinke, David; Talpur, Mir; Maher, Trina
Subject: Re: Town of Oakville - McCraney Creek Bridge Replacement - Draft Project File Report (SNGR)

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Good morning Aniq,

I have reviewed the AA Re: Town of Oakville - McCraney Creek Bridge Replacement. I have no issues or questions pertaining to the methodologies conducted for this assessment. Therefore, at this time I do not have any further comments.

I would also like to take this opportunity to acknowledge that winter assessments are not a preferred approach for SNGREC.

Much appreciated inclusion of Indigenous communities.

Kind Regards,

Tanya j. Hill-Montour B.A Hons.
Six Nations of the Grand River - Archaeology Supervisor.
c.226.388.0665
e. tanyahill-montour@sixnations.ca

On Oct 11, 2022, at 12:06 PM, Shams, Aniq <aniqa.shams@wsp.com> wrote:

Hi everyone,

We wanted to send you a reminder regarding the review of the **"Draft" Project File Report for McCraney Creek Bridge Replacement Class Environmental Assessment**. We would appreciate if you could provide any comments on the report by **October 26, 2022**. After this review period, we will finalize the report and issue it for a formal 30-day review period along with a Notice of Completion.

Thank you,
Aniq



Aniq Shams
Human Environment Consultant

MCIP, RPP
She/Her

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Oakville, Ontario
L6H 6X7 Canada

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‡

From: Shams, Aniq

Sent: Monday, September 26, 2022 9:58 AM

To: Dawn Russell <dawnrussell@sixnations.ca>; nativelandsltd@gmail.com; tanyahill-montour@sixnations.ca; Peter Graham <petergraham@sixnations.ca>; lonnybomberry@sixnations.ca; Lauren Jones <laurenjones@sixnations.ca>; Tayler Hill <tayler.hill@sixnations.ca>; dlaforme@sixnations.ca

Cc: Syed Rizvi <syed.rizvi@oakville.ca>; Sinke, David <david.sinke@woodplc.com>; Talpur, Mir <mir.talpur@woodplc.com>; Maher, Trina <trina.maher@woodplc.com>

Subject: Town of Oakville - McCraney Creek Bridge Replacement - Draft Project File Report (SNGR)

Hello everyone,

The Town of Oakville is undertaking an environmental assessment for the replacement of the McCraney Creek Bridge that is located over McCraney Creek, on Lakeshore Road West immediately to the east of Fourth Line. The bridge was built in 1940. Due to its deteriorating condition, ongoing erosion and risk of flooding, the bridge requires replacement. A Public Information Centre was hosted from June 16 to June 30, 2022 to share the recommended solution for bridge replacement.

The Study Team has now prepared the **“Draft” Project File Report** for this Class EA Study. You are invited to review the draft report and provide any comments by **October 26, 2022**. After this review period, the Study Team will finalize the report and issue it for a formal 30-day review period along with a Notice of Completion.

Download Link: [11- McCraney Creek Bridge - Draft Project File Report-26-09-2022](#)

As a reminder of previous engagement, Six Nations of the Grand River and the Study team had a meeting to discuss the Study on September 6, 2022 (see below). Please let us know if you have any comments or concerns about the Draft Project File Report.

Feel free to contact me if you encounter any issues with downloading the file, or if you prefer any other method of file transfer.

Best regards,
Aniq



Aniqa Shams

Human Environment Consultant
MCIP, RPP
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M+ 1 416-357-2093

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Oakville, Ontario
L6H 6X7 Canada

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‡

From: Shams, Aniq

Sent: Tuesday, September 13, 2022 8:35 AM

To: Dawn Russell <dawnrussell@sixnations.ca>

Cc: Robin Vanstone <rvanstone@sixnations.ca>; tanyahill-montour@sixnations.ca;
lonnybomberry@sixnations.ca; Tayler Hill <tayler.hill@sixnations.ca>; Lauren Jones
<laurenjones@sixnations.ca>; Peter Graham <petergraham@sixnations.ca>; nativelandsltd@gmail.com;
Syed Rizvi <syed.rizvi@oakville.ca>; Sinke, David <david.sinke@woodplc.com>; Talpur, Mir
<mir.talpur@woodplc.com>; Maher, Trina <trina.maher@woodplc.com>; Vijayakumar, Roslyn
<roslyn.vijayakumar@woodplc.com>

Subject: RE: McCraney Creek Bridge Replacement MCEA - Sept 6 SNGR Meeting Summary

Hi Dawn,

Please find attached the draft meeting summary from the Sept 6, 2022 meeting. Let us know if there are any comments or concerns with the meeting summary at this time.

We will be distributing the draft Project File Report for review and comment soon. As discussed in the meeting and action item #5, once the draft Project File Report is received, if you could please advise on whether any fish species identified in the report are of importance to SNGR, we would really appreciate that.

Thank you,
Aniqa

Aniqa Shams, RPP, MCIP

Human Environment Consultant

Pronouns – She/Her/Hers

Mobile: + (416) 357-2093

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From: Dawn Russell <dawnrussell@sixnations.ca>
Sent: Wednesday, September 7, 2022 3:37 PM
To: Shams, Aniq <aniqa.shams@woodplc.com>
Subject: Re: Slide Presentation

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Good afternoon Aniq,

Thanks, very much appreciated.

Enjoy the rest of your work week!

Dawn Russell

From: Shams, Aniq <aniqa.shams@woodplc.com>
Sent: Wednesday, September 7, 2022 1:11 PM
To: Dawn Russell <dawnrussell@sixnations.ca>
Subject: RE: Slide Presentation

Hi Dawn,

Apologies for not sending this to you prior to the meeting. Will definitely prioritize sending the presentation earlier for any future meetings.

Thank you,
Aniq

Aniq Shams, RPP, MCIP
Human Environment Consultant
Pronouns – She/Her/Hers
Mobile: + (416) 357-2093
www.woodplc.com



From: Dawn Russell <dawnrussell@sixnations.ca>
Sent: Wednesday, September 7, 2022 9:57 AM

To: Shams, Aniq <aniqa.shams@woodplc.com>

Subject: Slide Presentation

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Good morning Aniq,

I would appreciate if you could forward the slide presentation from our meeting yesterday, McCraney Creek Bridge Replacement, at your earliest convenience for our records management. If at all possible, I would appreciate receiving in advance of the meetings as I am not sitting in front of the monitor during the virtual meetings. Thanking you in advance.

Have a great day!

Dawn Russell

Consultation Administrative Assistant

Six Nations of the Grand River Lands and Resources

dawnrussell@sixnations.ca

519-753-0665



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Meeting Summary - DRAFT

Date: September 6, 2022, 11:00 am – 12:15 pm **Meeting at:** Microsoft Teams

Ref: McCraney Creek Bridge Replacement Schedule 'B' Municipal Class Environmental Assessment (Class EA)

Subject/purpose:

A meeting with Six Nations of the Grand River (SNGR) was held on September 6, 2022 to provide an overview of the Town of Oakville's (Town) McCraney Creek Bridge Replacement Project (Schedule 'B' Municipal Class Environmental Assessment).

Attendees:

Six Nations of the Grand River (SNGR): Town of Oakville:

Robin Vanstone
Tanya Hill-Montour
Lonny Bomberry
Tayler Hill
Lauren Jones
Dawn Russell
Peter Graham
Phil Monture

Syed Rizvi

Wood:

David Sinke
Mir Talpur
Trina Maher
Aniqa Shams
Roslyn Vijayakumar

1. INTRODUCTIONS AND AGENDA (SLIDES 1 – 3)

Wood opened the meeting and facilitated a round of introductions. Wood identified that the purpose of the meeting is to provide an overview of the Class EA Study for the McCraney Creek Bridge Replacement Project and explained the outline of the presentation.

No comments were received from SNGR related to this information.

2. PROJECT OVERVIEW (SLIDES 4 – 11)

The town is undertaking an environmental assessment study for the replacement of the McCraney Creek Bridge. The Study is addressing structural deficiency, ongoing erosion and flooding risk. The Study will follow phases 1 and 2 of the Municipal Class EA process. This Class EA Study will build on and utilize information from previously completed reports that were developed as part of the Lakeshore Road West Improvements project, which was initiated in November 2016, as a Schedule 'C' Municipal Class EA Study. McCraney Creek Bridge is located on Lakeshore Road West and is an 80-year-old concrete arch structure, with a width of 5.4 metres. The downstream side of the structure was subsequently extended and is a concrete box structure.

In 2017, McCraney Creek Bridge underwent emergency repair works due to a supporting wall that collapsed as a result of severe erosion. Armourstone was placed as temporary support for the slope.

No comments were received from SNGR related to this information.

3. MCCRANEY CREEK WATERSHED (SLIDES 12)

McCraney Creek is one of the fourteen Urban Creek watersheds within the jurisdiction of Conservation Halton. There are nine species of fish observed through past sampling studies. Department of Fisheries and Oceans Canada's Aquatic Species at Risk mapping did not identify aquatic species at risk in McCraney Creek. Conservation Halton's Urban Creeks and Supplemental Monitoring (2009) identified McCraney Creek to be one of the least healthy watercourses within Conservation Halton's jurisdiction.

Comment 3.1 – SNGR to Wood: SNGR requested clarification on the waterflow and width of McCraney Creek and noted interest in seeing the climate change initiatives. SNGR also recognized that some of this information may be covered in the upcoming slides of the presentation.

Wood explained that this slide provides information about the watershed for context purposes. The Study is only focused on the creek at the crossing. There is a dedicated slide in the presentation that discusses Climate Change Considerations.

Post Meeting Note: The following information is available related to width and flow of the creek at the crossing location: "Upstream of Lakeshore Road West, McCraney Creek maintains a relatively uniform wetted width of approximately 6 m as it meanders through the woodlot. Flows are slow and is mainly comprised of flats with a few small sets of riffles where rocky substrate is present in shallower areas." (Source: [Memo entitled "Aquatic and Bat Habitat Surveys for Proposed Channel Realignment of McCraney Creek North of Lakeshore Road to Rebecca Street" Prepared by Amec Foster Wheeler \(January 24, 2018\)](#)).

4. MCCRANEY CREEK - FLUVIAL GEOMORPHOLOGY (SLIDE 13)

The Town of Oakville's Creek Inventory and Assessment Studies from 2010, 2016 and 2021 recommended channel realignment of the portion of McCraney Creek north of Lakeshore Road West, which would help orient water flows to pass through the crossing at an optimal angle, reducing stress on the structure and adjacent creek banks.

Comment 4.1 – SNGR to Wood: SNGR requested clarification on the path that McCraney Creek is taking. SNGR also asked if there is any information available on historic re-alignment of this creek.

Wood explained that there is not enough historic imagery available to confirm if there has been any historic re-alignment of this reach of the creek. However, based on the current alignment of the creek reach, it can be said that the alignment is not in its natural state, and may have been subject to realignment. The goal of this EA Study is to re-design the creek to be as close to natural conditions as possible.

5. MCCRANEY CREEK – AQUATIC AND TERRESTRIAL ECOSYSTEM (SLIDES 14 - 15)

Several enhancement opportunities were suggested in the technical reporting previously completed to improve the aquatic habitat, including naturalizing the substrate to improve fish passage, incorporating a natural channel design, vegetating channel edges and enhancing riparian vegetation. In terms of the terrestrial environment, enhancement opportunities included planting native species for vegetation restoration.

Comment 5.1 – SNGR to Wood: SNGR requested clarification on the projected new alignment and also asked if the Rosgen Stream Classification System was utilized. Additionally, SNGR asked if any fish species are present in the Study Area that are specific to Indigenous communities.

Wood staff noted that they do not have information on hand whether the Rosgen Stream Classification System was used as part of the fluvial geomorphological design of the creek. With regards to fish species, Wood explained that the list of fish species will be included in the Project File Report. Wood will share this report with the SNGR for review and comment and would appreciate if SNGR can advise on whether any fish species identified in the report are of importance to the Indigenous Nations. Wood added that in-water works restriction timing windows will be recommended for the construction of any in-water works to protect fish during spawning migrations and other critical life stages.

Post Meeting Note: A review of the Fluvial Geomorphological Report indicates that Rosgen Stream Classification System was in fact used. (Source: [Report entitled "Fluvial Geomorphology Review and Preliminary Channel Design Fourteen Mile Creek & McCraney Creek" Prepared by AquaLogic Consulting \(March 19, 2018\)](#)). Wood will share this report with SNGR as part of the Project File Report review and would welcome any comments for future consideration.

Comment 5.2 – SNGR to Wood: SNGR requested clarification on any other assessment completed for aquatic ecosystem.

Wood explained that no other assessment of fish community was completed as part of the current Study, as there was adequate information available from the previous Lakeshore Road West Improvements project. However, in detailed design, further fish habitat survey will be completed.

Comment 5.3 – SNGR to Wood: SNGR explained that turtles and muscles are important to Indigenous peoples and are interested to understand how the Town is proposing to protect these species. SNGR also asked if benthic surveys were completed.

Wood clarified that turtles were not identified as being present in the Study Area through desktop research. Wood also explained that benthic surveys were not completed as part of the current Study, however Conservation Halton completed these surveys in 2009.

Post Meeting Note: Wood can also confirm that muscles are not present at this site.

Comment 5.4 – SNGR to Wood: SNGR asked if another benthic survey can be done, as the last survey completed in 2009 is now outdated.

Wood explained that additional surveys, such as benthic studies can be completed during detailed design. Wood will identify the need to complete benthic studies as a commitment for detailed design.

Post Meeting Note: Although Wood had initially made a commitment to recommend benthic studies in this meeting, new information gathered after the meeting on this topic, has led Wood to revise its recommendation and provides this update for SNGR., Wood conducted a desktop review following the meeting, which found that more current benthic information is indeed available from Conservation Halton. The Conservation Authority has been conducting Benthic Invertebrate Monitoring Program since 2006 up to 2019. Benthic Data Trends for this period indicate that McCraney Creek at Lakeshore Road

West crossing has seen significant decrease in benthic invertebrate. The reason for this significant decrease is not known. Wood provides a link for SNGR to review the [story map](#) prepared by Conservation Halton for more information. In the light of this new available information, Wood will not be recommending benthic surveys as part of the detailed design phase, unless specifically requested by SNGR.

Comment 5.5 – SNGR to Wood: SNGR asked if there are plans to identify bat species in the woodlot in the vicinity of McCraney Creek bridge.

Wood explained that in detailed design, the town will contact the Ministry of the Environment, Conservation and Parks (MECP) to determine what surveys will be required.

Comment 5.6 – SNGR to Wood: SNGR explained that the Indigenous approach to conservation is more conservative than the MECP or the Ministry of Natural Resources and Forestry. SNGR recommends going above and beyond requirements identified by the government.

Wood explained that the project team is currently working on a Project File Report that will identify what work has been completed, what will be completed and the commitments for future phases. The draft Project File Report will be provided for review and comment to SNGR.

6. DRAINAGE /STORMWATER MANAGEMENT AND FLOODING HAZARDS (SLIDE 16 -17)

In regard to stormwater, there are two storm sewers that convey stormwater runoff to McCraney Creek.

In regard to flooding hazards, the McCraney Creek Bridge is located within the Floodplain Hazard and Approximate Regulatory Limit regulated by Conservation Halton and has the capacity to convey flood flows associated with a 100-year storm event. The current structure will be overtopped by the Regional Storm (Hurricane Hazel) by approximately 1.40 metres and will subsequently impact the ability of emergency vehicles to safely use Lakeshore Road.

Comment 6.1 – SNGR to Wood: SNGR asked if there was any road widening anticipated for the adjacent project.

Wood confirmed that the road width will be maintained. No widening is proposed for Lakeshore Road West. The town will initiate a separate undertaking to provide active transportation along Lakeshore Road West.

Comment 7.2 – SNGR to Wood: SNGR requested clarification on why Hurricane Hazel standards are still being used, when other studies are using standards beyond that.

Wood explained that Conservation Halton uses Regional Storm (which may exceed Hurricane Hazel) to determine the flooding hazards. As such, the objective was to address conveyance of Regional Storm flows through the new bridge.

7. CULTURAL ENVIRONMENT (SLIDE 18)

A Built Heritage Resources and Cultural Heritage Landscapes and Stage 1 Archaeological Assessment was completed which identified several nearby properties of Cultural Heritage Value or Interest and identified McCraney Creek Bridge as an area of low archaeological potential, due to the past disturbance in the Creek area. Wood added that a combined Stage 1 and 2 Archaeological

Assessment is being recommended for detailed design to assess the areas associated with creek realignment.

Comment 7.1 – SNGR to Wood: SNGR requested clarification if the town consider creeks as cultural heritage landscape. SNGR recommended the town to consider creeks for cultural heritage significance.

Wood responded that they are not aware whether the Town has designated its creeks as cultural heritage landscape. The town noted the McCraney Creek Bridge does not have heritage status under the Ontario Heritage Act, and it is not listed on Town's Heritage Register. Wood further explained that the project team is continuing to learn and gain understanding of the relationship between the natural environment and cultural heritage environment from the perspectives of Indigenous Nations and find ways to note these learnings into reports and approaches to project engagement conversations. Wood stated this is an evolving process which requires continuing education to further gain understanding of Indigenous perspectives in this regard.

Comment 7.2 – SNGR to Wood: SNGR asked for clarification on the types of past disturbances that were there in the creek area.

Wood explained that Halton Region completed a sewer replacement project in 2017/2018. This project was completed underground through trenchless technology and had no disturbance over the land.

Comment 7.3 – SNGR to Wood: SNGR asked if any archaeological work will be required for the future phases. SNGR also requested that the Stage 1 Archaeological Assessment be sent directly to Tanya Hill-Montour.

Wood explained that a combined Stage 1 and Stage 2 Archaeological Assessment is being recommended for detailed design. A commitment will be included in the Project File Report to involve SNGR in fieldwork. The Stage 1 Archaeological Assessment will be sent directly to Tanya Hill-Montour.

8. ALTERNATIVE SOLUTIONS, EVALUATIONS, PROPOSED DESIGN AND CLIMATE CHANGE CONSIDERATIONS (SLIDE 19 - 23)

The four alternative scenarios were presented to address structural deficiency, continued erosion and flooding risk at McCraney Creek Bridge. Alternative 4 (Bridge Replacement with Slightly Adjusted Ends and Creek Re-alignment) was identified as the preferred design. This option addresses structural deficiency, flooding and erosion issues, improves the habitat conditions for terrestrial and aquatic ecosystem and includes a natural design component. Climate change considerations were considered and incorporated, as per the town's Climate Change Strategy.

Comment 8.1 – SNGR to Wood: SNGR requested clarification on the width and height of the culvert, as well as the width of water flowing through the culvert. SNGR's primary concern with the culvert is to allow for wildlife passage.

Wood confirmed that the total span is 14.65 m, and the roadway elevation will not change. Wood further confirmed that the proposed culvert will significantly improve for wildlife passage.

Comment 8.2 – SNGR to Wood: SNGR requested clarification on why flooding will not occur on the road.

Wood explained that the opening of the new culvert is significantly larger than the existing culvert. This will reduce the backwater effect, resulting in reduced risk of flooding.

Comment 8.2 – SNGR to Wood: SNGR requested clarification of how drainage is addressed for the proposed bridge deck.

Wood explained that there is an existing curb and gutter on the south side. The drainage of the roadway will be directed to a storm sewer which will convey it to the creek. The Lakeshore Road West is proposed to be reconstructed. As part of those works, storm sewers will be replaced, and water quality and quantity treatment will be provided. Bridge replacement works will be integrated into the Lakeshore Road West Reconstruction works.

Comment 8.3 – SNGR to Wood: SNGR asked if any planting will be undertaken and if the town would be willing to consider incorporating woody debris, root wad or other aquatic/fish habitat features, as part of the fluvial geomorphologic design.

Wood explained that during detailed design, a fluvial geomorphologist will work with the design team (including ecologist) to determine what the plantings could be incorporated into the natural channel design. However, Wood can include a recommendation in the Project File Report to consider woody debris and root wad during detailed design and construction.

9. NEXT STEPS AND CLOSING COMMENTS (SLIDE 24 - 25)

The next steps for this Class EA Study will include sharing the Draft Project File Report with SNGR for review and comment and subsequently, finalizing the Project File Report and issuing the Notice of Study Completion. Town staff noted that the detailed design of McCraney Creek Bridge will be integrated with the detailed design of Lakeshore Road Reconstruction project.

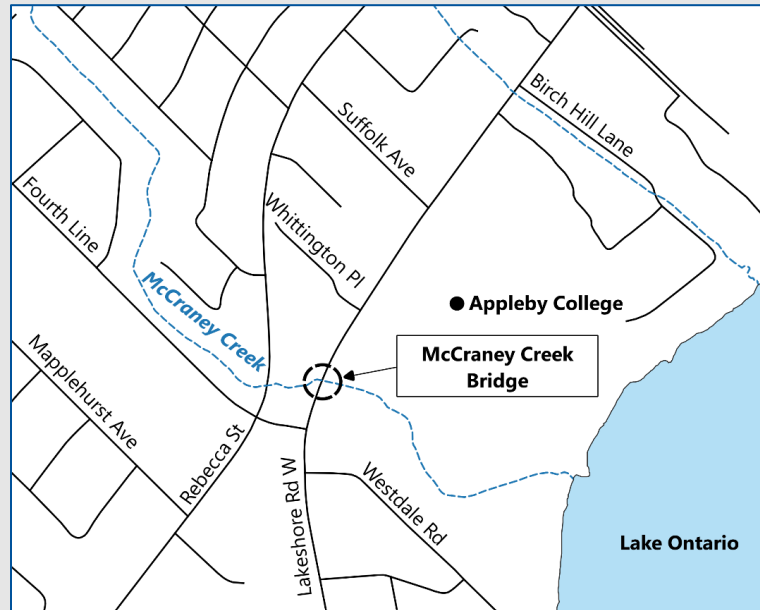
Wood and the town thanked SNGR for attending to discuss the project and adjourned the meeting. Wood identified that a draft meeting summary will be provided to SNGR for review and validation.

ACTIONS:

1. Wood to provide SNGR with a copy of the draft meeting summary for feedback and validation.
2. Wood to include a recommendation in the Project File Report to consider woody debris and root wad during detailed design and construction (Comment 8.3).
3. Wood to share draft Project File Report with SNGR for their review and comment.
4. Wood to provide a copy of the Stage 1 Archaeological Assessment to Tanya Hill-Montour (Comment 7.3)
5. SNGR to review the Project File Report and advise on whether any fish species identified in the report are of importance to SNGR (Comment 5.1). SNGR to provide any other comments on the Project File Report.

McCraney Creek Bridge Replacement Schedule 'B' Municipal Class Environmental Assessment

Meeting with Six Nations of the Grand River (06 September 2022 at 11:00 am)



Introduction

Town of Oakville

Syed Rizvi

Six Nations of the Grand River

Robbin Vanstone

Peter Graham

Lonny Bomberry

Taylor Hill

Tanya Hill-Montour

Lauren Jones

Dawn Russell

Wood Environment and Infrastructure Solutions Canada Limited

David Sinke

Trina Maher

Aniqa Shams

Mir Ahsan Talpur

Presentation Outline

Background and Current Study

- Background
- Current Study
- Study Process
- Work Completed for the McCraney Creek Bridge Replacement

Existing Conditions and Problem Statement

- McCraney Creek Bridge
- Existing Conditions (Fluvial Geomorphology, Natural Environment, Stormwater Management, Flooding, Cultural Environment)
- Problem Statement

Alternative Solutions

- Identification and Evaluation of Alternative Solutions
- Proposed Design for Bridge Structure, Bridge Deck and McCraney Creek
- Climate Change Considerations for the Project

Next Steps

Background

Council Direction in July 2021

At a Special Council Meeting held Tuesday, July 6, 2021, the Town Council directed staff to terminate the Class EA for Lakeshore Road West improvements and directed the town staff to proceed with a separate Class EA for the McCraney Creek Bridge Replacement using information, analysis and design from the Lakeshore Road West study.

Special Council Minutes July 6, 2021 - 6:30 p.m.

- 10. That staff be directed to prepare a separate EA for McCraney Bridge Improvements and file on the public record for a 30 day review period.***

McCraney Creek Bridge



McCraney Creek Bridge is located on Lakeshore Road West immediately east of Fourth Line.



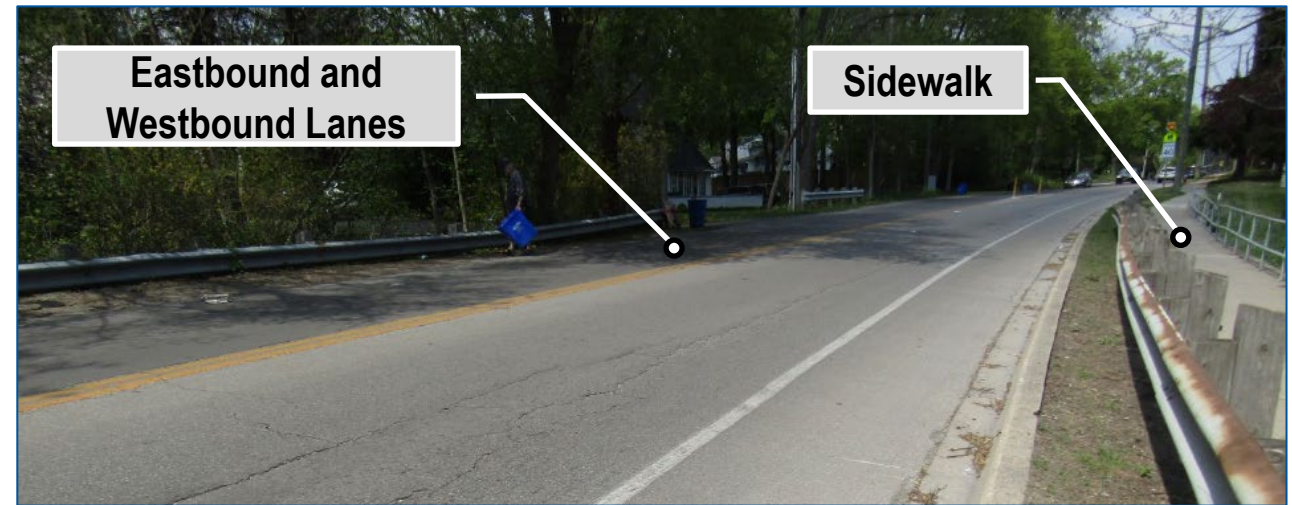
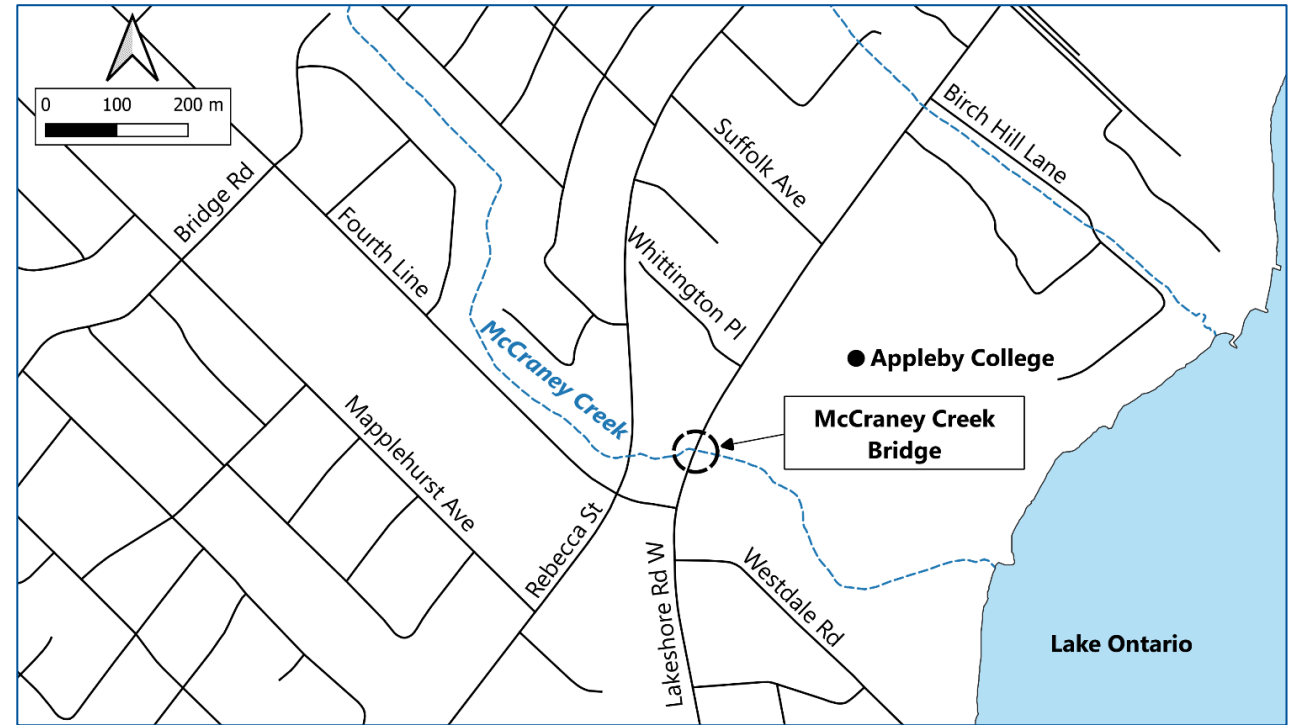
It carries McCraney Creek, which flows into Lake Ontario, south of Lakeshore Road West.



It accommodates two vehicular lanes (one eastbound and one westbound).



A sidewalk is located on the south side of the bridge. A sidewalk is also located on the north side, west of the bridge.



McCraney Creek Bridge – Structure

- McCraney Creek Bridge is a concrete arch structure built over 80 years ago (in 1940).
- It was subsequently extended with a box culvert section.
- The width of the structure is 5.4 metres.



Arch structure of McCraney Creek Bridge along the upstream side (i.e., west side of Lakeshore Road West)



Box culvert extension of McCraney Creek Bridge along the downstream side (i.e., east side of Lakeshore Road West)

Problem Statement

Problem Area 1 – Structural Deficiency: The northwest wingwall of McCraney Creek Bridge was collapsed in 2017. Emergency repair works were completed to reinforce the bridge slope; however, those works only temporarily fixed the slope failure and a long-term solution is required.

Problem Area 2 – Erosion Hazard: The flows from McCraney Creek continue to direct the erosion potential, putting them at continued risk of failure. Town of Oakville's Creek Inventory and Assessment Studies from [2010](#), 2015 and [2021](#) recommended channel realignment for this reach of McCraney Creek.

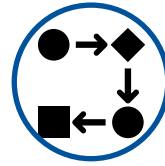
Problem Area 3 – Flooding Hazard: Modelling indicates that the existing McCraney Creek Bridge will be overtopped by the Regional Storm (Hurricane Hazel) by approximately 1.40 metres. This will impact the ability of emergency vehicles to safely use Lakeshore Road. [Flood Mitigation Opportunities Study for Fourteen Mile and McCraney Creek Systems](#) recommends McCraney Creek Bridge structure for replacement to increase its conveyance capacity and to address the risk of flooding.

The Town of Oakville is undertaking this environmental assessment to identify a solution to address structural deficiency, ongoing erosion and flooding risk at McCraney Creek Bridge.

Current Study



The town is undertaking an environmental assessment study for the replacement of this bridge.



This Study will satisfy the requirements of a Schedule 'B' project as outlined in the Municipal Class Environmental Assessment (Class EA) document (October 2000, as amended in 2015).



This Class EA Study will build on and utilize information from previously completed reports that were developed as part of the Lakeshore Road West Improvements project.

Study Process

This study will address the requirements of the following phases of the Municipal Class EA process:

Class EA Phase 1: Problem and/or Opportunity

- Develop Problem and Opportunity Statement

Class EA Phase 2: Alternative Solutions

- Inventory of natural, socio-economic and cultural environments
- Identification and evaluation of alternative solutions to identify preliminary preferred solution
- Consultation with the public, Indigenous Nations, government review agencies and key stakeholders/interest groups
- Selection of preferred solution
- Preparation of Project File Report and Issuance of Notice of Study Completion

Following completion of the two phases, the project will proceed to detailed design phase.

Additional technical work will be completed during detailed design phase to support development of detailed design.

Work Completed for the McCraney Creek Bridge Replacement

Technical Investigations from Lakeshore Rd Class EA



Natural Environment Assessments



Fluvial Geomorphology and Channel Design



Stage 1 Archaeological Assessment



Cultural Heritage Report



Stormwater Management Report

Consultation from Lakeshore Rd Class EA



Public consultation: Three Public Information Centres, stakeholder meetings, and on-site resident meetings



Agency consultation: Meetings with Conservation Halton in 2017 and 2018 (including review of the evaluation of alternatives for the McCraney Creek Bridge)



Indigenous Nations consultation: Circulation of project notifications and held meetings as requested by Nations

Additional Technical Investigations:

Following additional technical investigations contribute to this study:

- [Flood Mitigation Opportunities Study for Fourteen Mile and McCraney Creek Systems](#) (ongoing)
- Town of Oakville's Creek Inventory and Assessment Studies from [2010](#), 2015 and [2021](#)
- Structure Inspection Report Lakeshore Road West over McCraney Creek (2021)

McCraney Creek Bridge – 2017 Emergency Repair Works

- In 2017, the north-west supporting wall of the bridge collapsed as a result of severe erosion.
- Emergency repair works were completed to temporarily stabilize the slope.
- The collapsed wingwall along with armour stone (large pieces) were used as temporary support for the slope.



Collapse of the McCraney Creek Bridge's north-west wingwall in 2017 and subsequent emergency works to temporarily stabilize the slope



Photographs showing deterioration in various parts of McCraney Creek Bridge

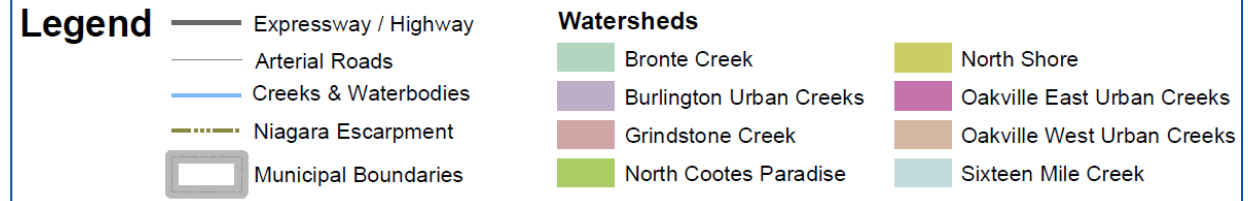
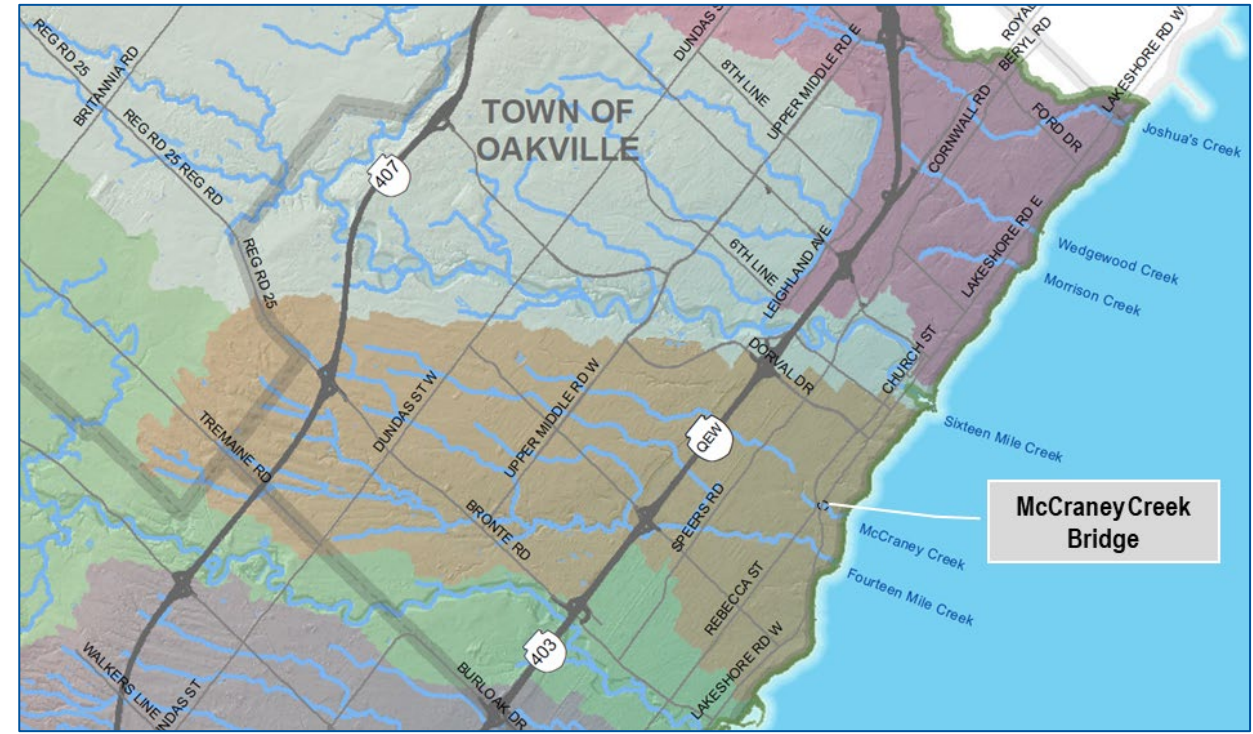
McCraney Creek Watershed

About McCraney Creek Watershed: McCraney Creek is one of the fourteen Urban Creek watersheds within the jurisdiction of Conservation Halton. The subject tributary of the creek originates in the northern part of the town (southeast of 407 ETR and Bronte Road) and discharges into Lake Ontario.

Creek Flow Duration: The upstream branches of the creek flow through natural channels and swales. As the creek flows downstream, it becomes frequently enclosed and altered in urban areas. The storm sewers in urban areas discharge storm water into this creek.

Fish Community: A total of nine (9) species of fish have been observed through past sampling studies conducted throughout the McCraney Creek watershed in riverine, nearshore and marsh habitats. Aquatic Species at Risk mapping from Fisheries and Oceans Canada did not identify aquatic Species at Risk in McCraney Creek.

Watershed Health: Conservation Halton's [Urban Creeks and Supplemental Monitoring \(2009\)](#) identified this creek to be one of the least healthy watercourses within Conservation Halton's jurisdiction. The majority of benthic invertebrates observed in the creek were aquatic worms, which are typically found in areas that contain organic pollution.



Excerpt from Conservation Halton Watersheds map

McCraney Creek – Fluvial Geomorphology*

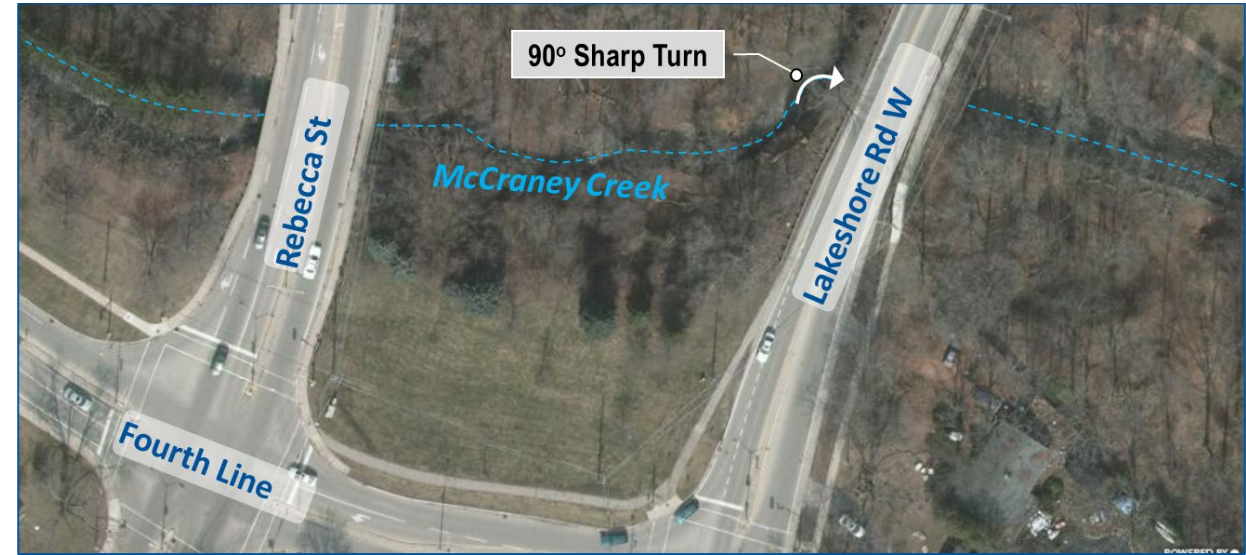
The McCraney Creek flows through a woodlot downstream of Rebecca Street. Upon approaching the bridge crossing at Lakeshore Road West, the channel takes a sharp 90 degree turn into the structure.

This directs the erosion potential of creek flows directly against the bridge abutments/wing walls, putting them at continued risk.

Town of Oakville's Creek Inventory and Assessment Studies from [2010](#), 2015 and [2021](#) recommended channel realignment for this reach of McCraney Creek.

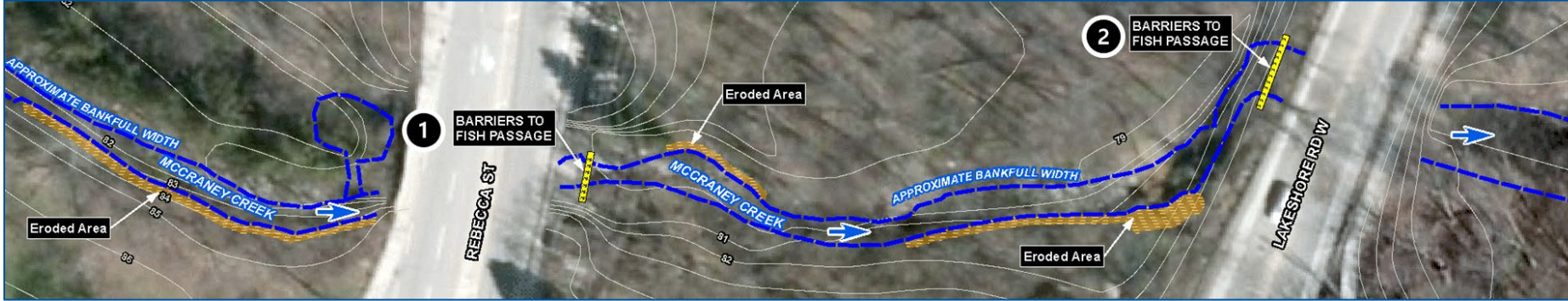
A channel realignment upstream of the bridge would help to orient flows such that they pass through the crossing at an optimal angle, thus reducing stress on the structure itself.

* *Fluvial Geomorphology is the study of the form and function of streams and the interaction between streams and the landscape around them.*



McCraney Creek – Aquatic Ecosystem

There are two locations where barriers to fish passage exist. These are the bridge crossings at Rebecca Street and Lakeshore Road West.



1
Vertical drop – barrier to fish passage

Key Enhancement Opportunities to Improve Aquatic Habitat:

- Naturalize the substrate within the crossing to improve fish passage.
- Incorporate natural channel design for the channel realignment to improve bank stability, and create flow morphology diversity
- Vegetate channel edges under the structure where light penetration is sufficient for growth.
- Enhance riparian vegetation to increase shading to the watercourse; maintain cooler water temperatures and increase bank stability / provide scour protection.



2
Exposed limestone – barrier to fish passage

Terrestrial Ecosystem

As noted earlier, McCraney Creek flows through a woodlot downstream of Rebecca Street. This forest is dominated by Norway Maple (an invasive plant species) with some Black Walnut and willow. There are very few native species in this community, and it is highly disturbed with signs of flooding and erosion. The forest contains some trees potentially suitable as maternity roost sites for Species at Risk bats (Little Brown, Northern Myotis and Tri-coloured Bat).



Key Enhancement Opportunities to Improve Terrestrial Habitat:

- Plant native species for vegetation restoration including selection of native trees, which are able to outcompete invasive trees and shrubs present.

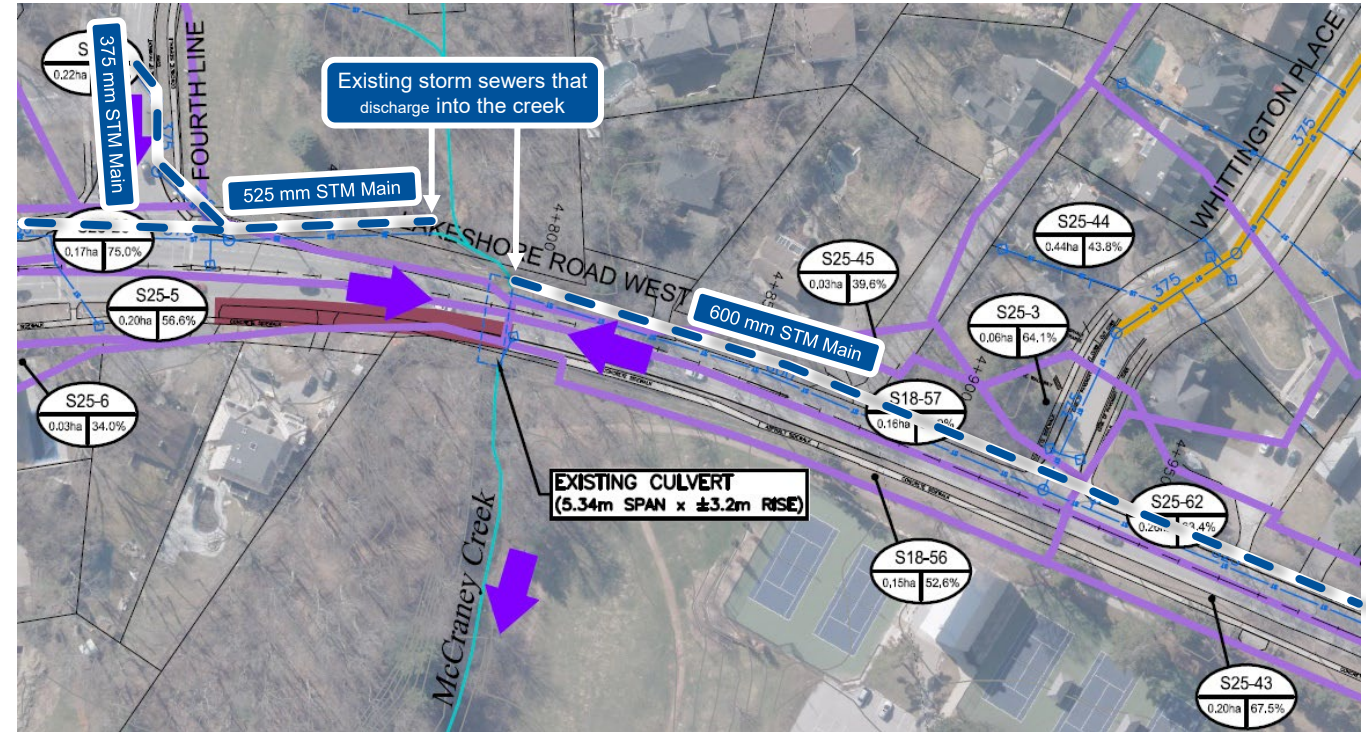
Drainage / Stormwater Management

There are two storm sewers that convey stormwater runoff to McCraney Creek:

- A 600 mm storm sewer on the east side.
- A 375 mm to 525 mm storm sewer on the west side.



Storm outfall



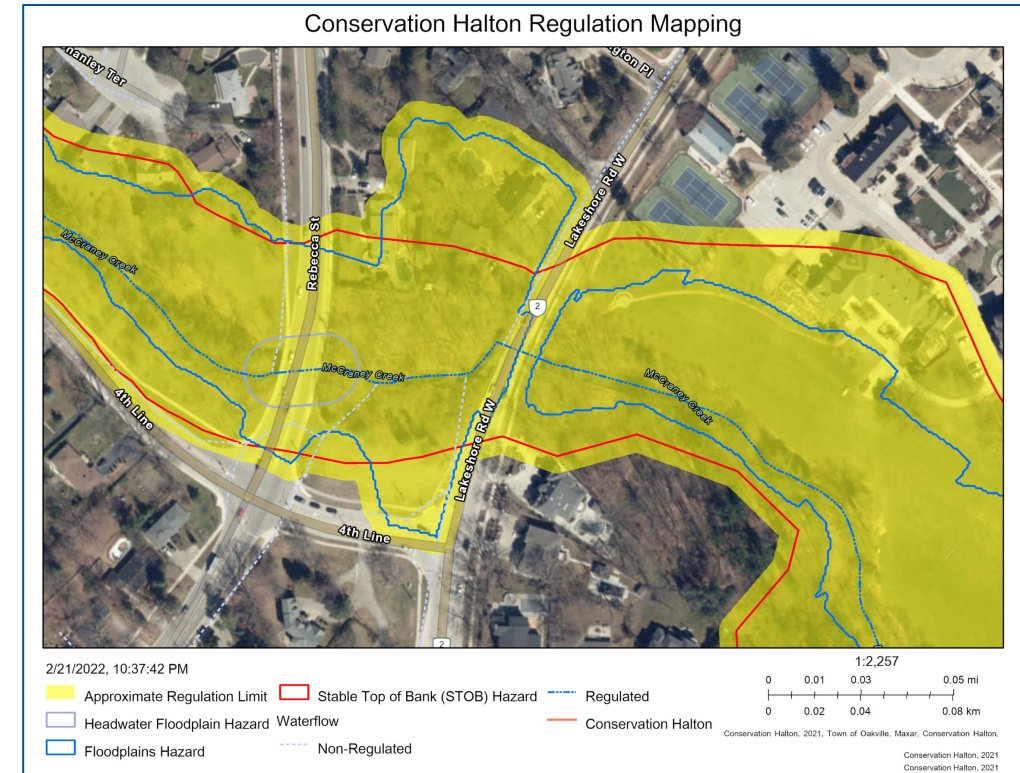
LEGEND

	PROPERTY BOUNDARY		SUBCATCHMENT BOUNDARY		MINOR 5 YEAR PIPE SURCHARGE
	WATERCOURSE		SUBCATCHMENT ID#		MAJOR 100 YEAR SYSTEM SURCHARGE
	CONTOUR (1m)		PERCENTAGE OF IMPERVIOUS AREA		
	EXISTING CULVERT		SUBCATCHMENT AREA		
	EXISTING STORM SEWER AND PIPE SIZE		MAJOR SYSTEM FLOW DIRECTION		
			MINOR SYSTEM FLOW DIRECTION		

Map Excerpt showing Storm Drainage Boundaries (Existing Conditions)

Flooding Hazards

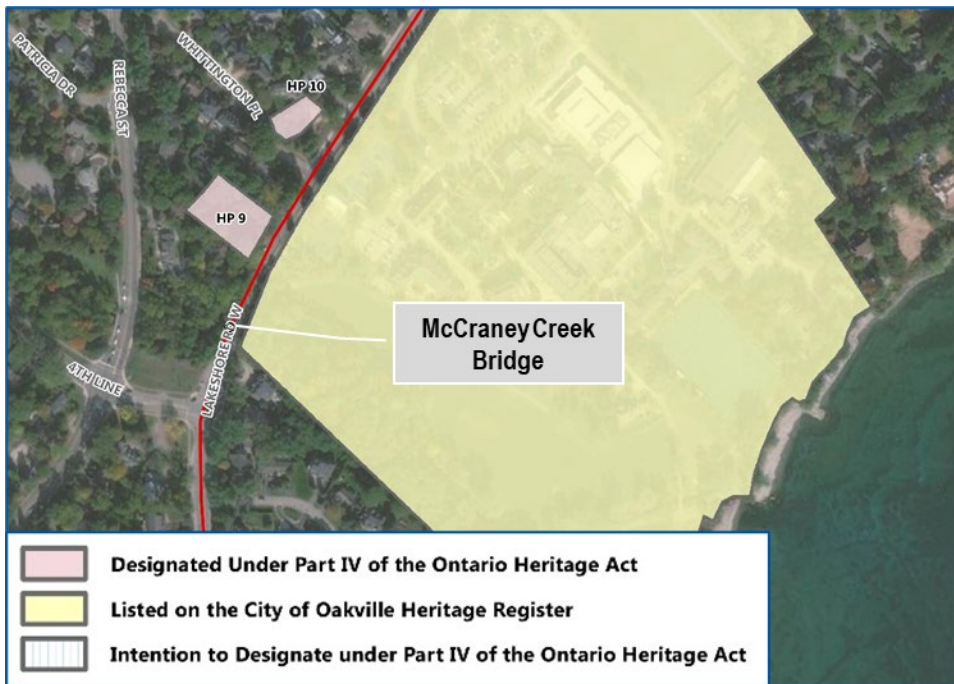
- The McCraney Creek Bridge is located within the Floodplain Hazard and Approximate Regulatory Limit regulated by Conservation Halton.
- The structure has capacity to convey flood flows associated with a 100-year storm event, however, the modelling indicates that the current structure will be overtopped by the Regional Storm (Hurricane Hazel) by approximately 1.40 metres. This will impact the ability of emergency vehicles to safely use Lakeshore Road.
- Another ongoing study by the Town recommends replacement of McCraney Creek Bridge structure with a larger structure to address flooding risk to protect public safety, municipal infrastructure, and private property ([Flood Mitigation Opportunities Study for Fourteen Mile and McCraney Creek Systems](#)).



Cultural Environment

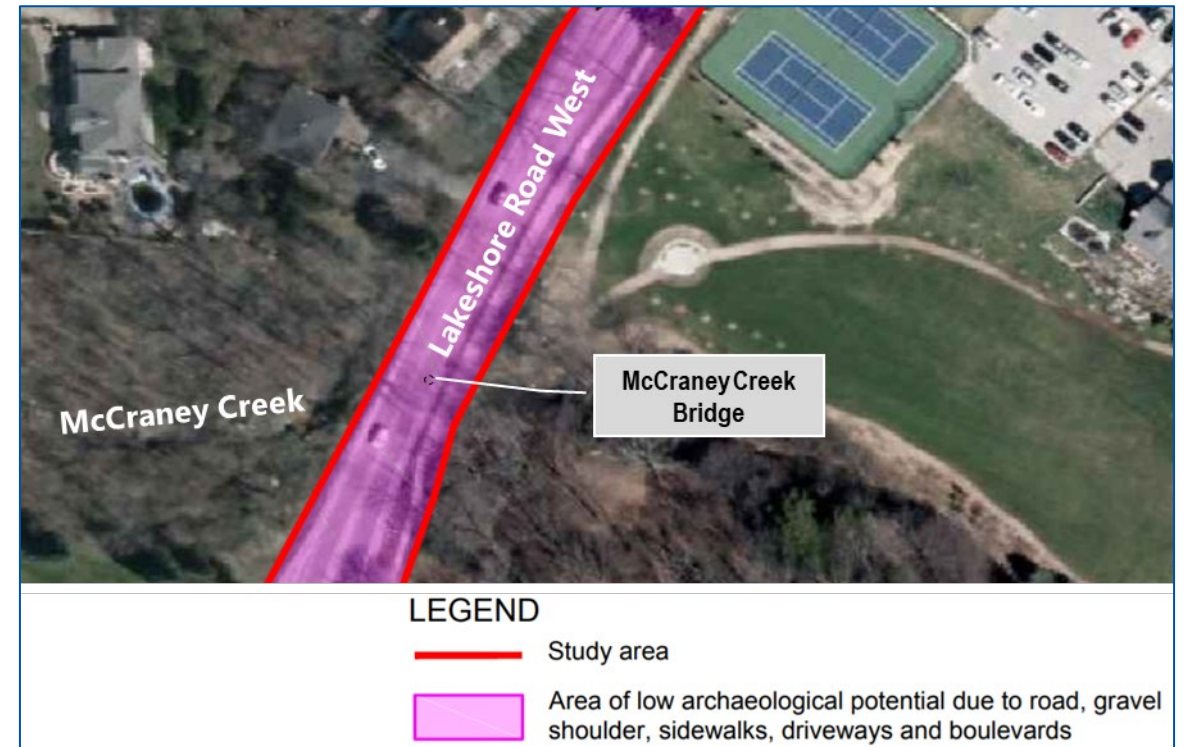
Built Heritage Resources and Cultural Heritage Landscapes

Town of Oakville's Heritage Register (Section F) identifies several bridges of Cultural Heritage Value or Interest (not designated). The McCraney Creek Bridge is not listed in Town's Heritage Register. Nearby properties with cultural heritage value are shown in the map excerpt below.



Archaeological Resources

The Stage 1 Archaeological Assessment for Lakeshore Road West improvements (2017) identified the location of McCraney Creek Bridge as an area of low archaeological potential, due to the past disturbance in the Creek area.



Alternative Solutions

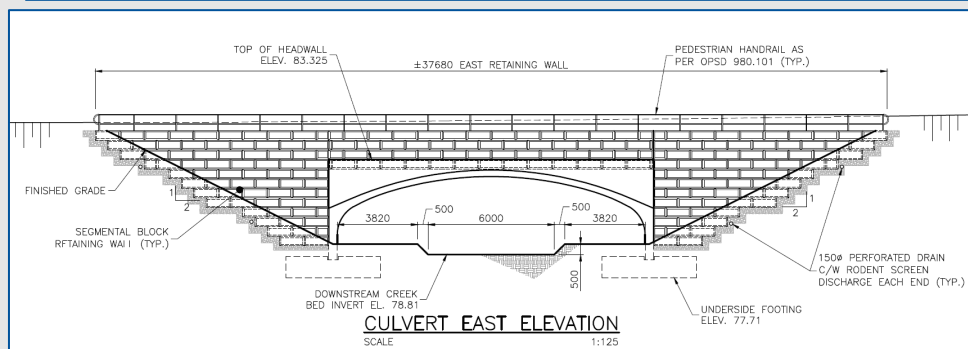
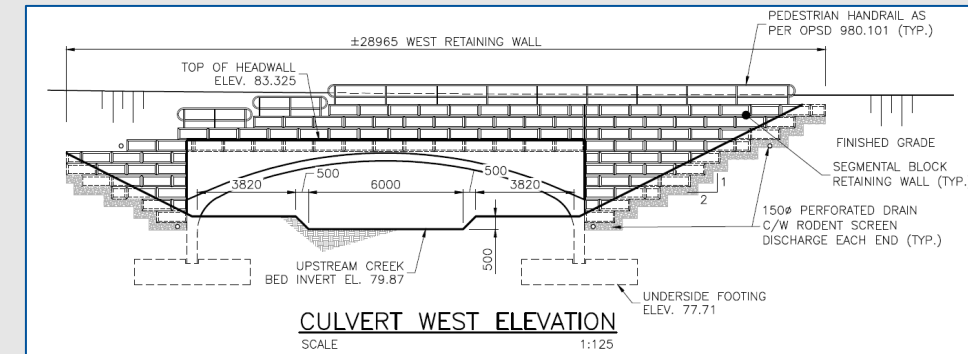
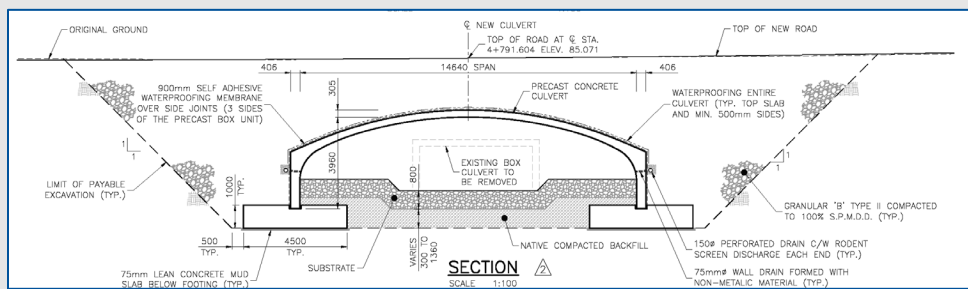
The following alternatives were identified to address structural deficiency, continued erosion and flooding risk at McCraney Creek Bridge.

Alternative	Description
Alternative 1	Do nothing (maintain existing structure)
Alternative 2	Replacement of existing bridge with a new structure without re-alignment of McCraney Creek
Alternative 3	Replacement of existing bridge with a new structure with re-alignment of McCraney Creek
Alternative 4	Replacement of existing bridge with a new structure (with slightly adjusted ends) with re-alignment of McCraney Creek

Summary of Evaluation of Alternative Solutions

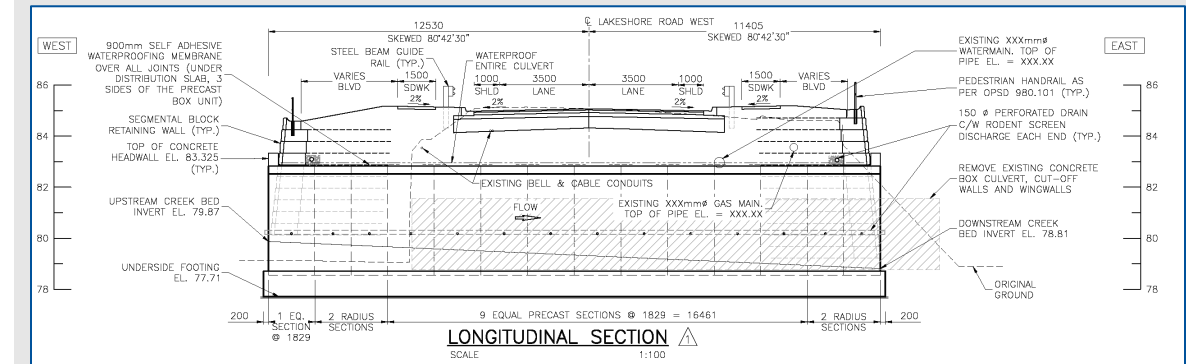
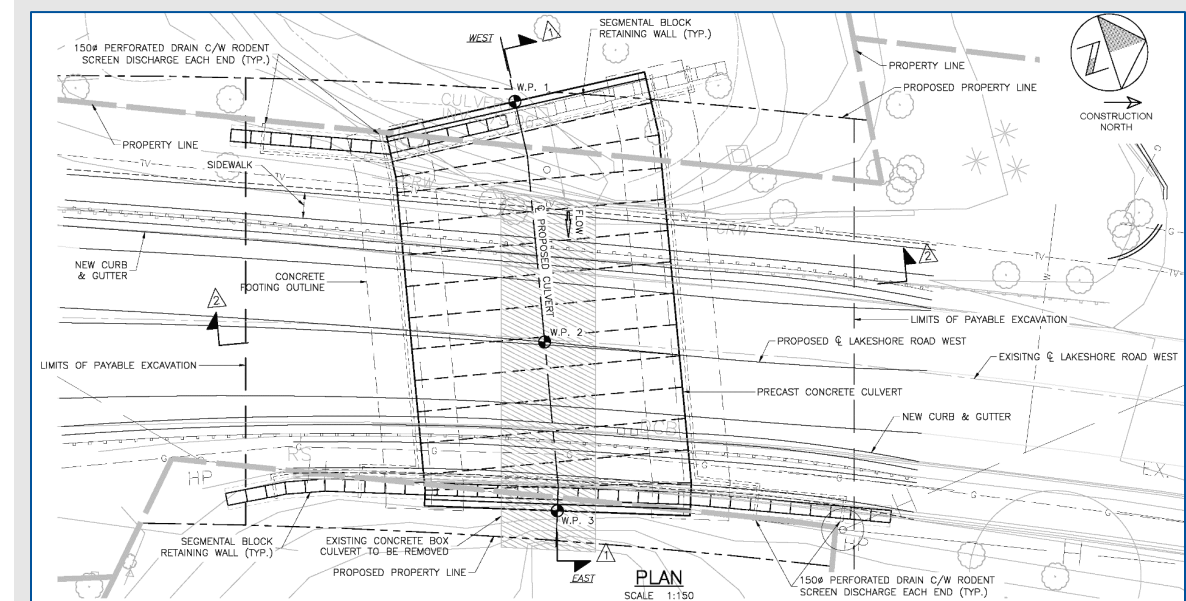
Evaluation Criteria	Alternative 1: Do Nothing	Alternative 2: Bridge Replacement (No Creek Re-alignment)	Alternative 3: Bridge Replacement with Creek Re-alignment	Alternative 4: Bridge Replacement with Slightly Adjusted Ends and Creek Re-alignment
Natural Environment	Existing flooding and erosion problems will remain unaddressed.	This alternative will not address the existing erosion problem.	Channel realignment will reduce the erosion problem and risk of failure of bridge abutments to a greater extent. However, due to the orientation of the bridge structure relative to McCraney Creek, there will still be continued erosion and risk of failure of infrastructure	The longer structure would be able to span the low flow channel and provide adequate erosion setbacks with channel modifications. Opportunity for improvements to the watercourse. Risk of further erosion of Lakeshore Road West embankment could be minimized.
Social Environment	No reduction in flood risk to private property.	Reduction in flood risk to private property.	Reduction in flood risk to private property.	Reduction in flood risk to private property.
Cultural Environment	No impact to archaeology and cultural heritage resources.	Potential for impact to archaeological resources which can be mitigated through further archaeological investigations. No impacts to cultural heritage resources.	Potential for impact to archaeological resources which can be mitigated through further archaeological investigations. No impacts to cultural heritage resources.	Potential for impact to archaeological resources which can be mitigated through further archaeological investigations. No impacts to cultural heritage resources.
Transportation	No new cycling or pedestrian infrastructure across structure. Sidewalk only on south side of existing structure.	The new bridge will provide space to potentially accommodate a future sidewalk on the north side.	The new bridge will provide space to potentially accommodate a future sidewalk on the north side.	The new bridge will provide space to potentially accommodate a future sidewalk on the north side.
Economic Environment	No incremental cost for this option. However, there may higher costs in long term due to need for emergency repair or replacement	Capital cost for structural replacement would be lower than the cost of Alternative 3 or Alternative 4. However, erosion issue will continue to exist and may result in additional cost related to repairs due to impacts on the bridge	Capital cost for structural replacement including creek realignment would be higher than the cost of Alternative 1 but lower than Alternative 4. However, erosion issue will continue to exist and may result in additional maintenance costs.	Cost for this alternative would be highest, however, it will address the structural deficiency issues and will minimize long term maintenance costs.
Structural	Structural condition not be improved.	New structure will address structural deficiency issues.	New structure will address structural deficiency issues.	New structure will address structural deficiency issues.
Recommendation	Not Recommended	Not Recommended	Not Recommended	Recommended Solution

Proposed Bridge Design



- Proposed bridge span will be 14.65m
- Proposed bridge will convey flows associated with the Regional Storm (Hurricane Hazel)
- Proposed bridge orientation will eliminate contact of creek flows with the slope and bridge embankments and help address continued erosion.

Proposed Bridge Deck

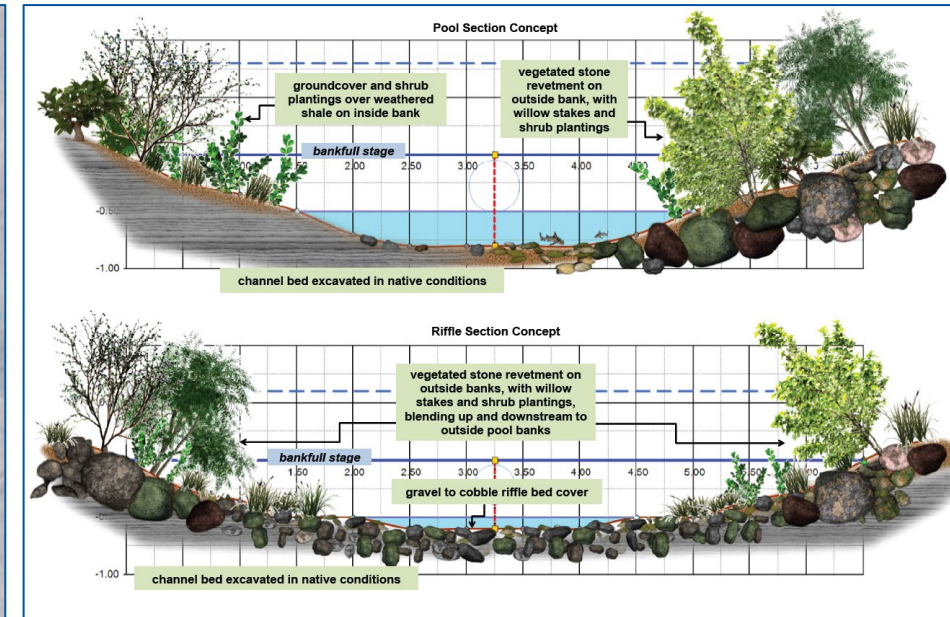
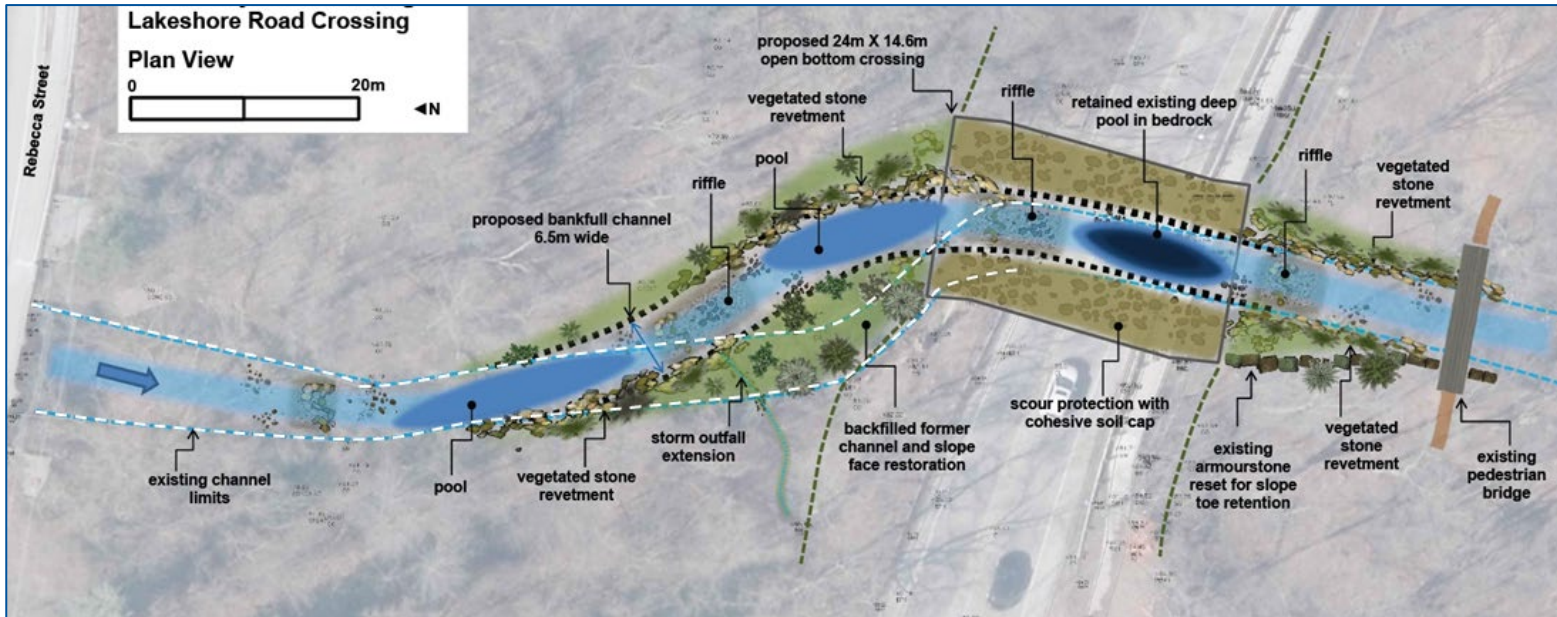


- Proposed bridge deck will maintain existing vehicular traffic lanes.
- Proposed bridge deck will provide space for a new 1.5 m wide sidewalk along the north side.

McCraney Creek - Proposed Channel Design

The channel realignment has been designed based on geomorphic principles. Key features and benefits of proposed channel design include:

- Optimal channel orientation to align with proposed bridge structure to eliminate contact with slope and to address continued erosion.
- Pool to riffle pattern to provide consistent bedform sequence in the creek.
- Vegetated stone revetments along outside pool banks to protect vegetation roots from the potential impact of high creek flows.
- Removal of the bedrock barrier in the crossing to improve fish passage. Stone treatments to promote small wildlife movement.



Riffles are the short segments of streams with shallow depths where water flows fast, and where oxygen is mixed into the water. Riffles are a food source and a shelter from predators. **Pools** are the areas of streams with deep depths and slow flowing water. Pools provide refuge to aquatic life during dry conditions and protection from predators or shelter.

Climate Change Considerations



Oakville's [Climate Change Primer](#) provides local information to residents on climate change and how to help protect human health, the natural environment, residential homes and properties against the impacts of a changing climate. For building town's resiliency, the document refers to Town's [Climate Change Strategy](#).

This project will advance Town's adaptation actions related to the following impacts of climate change identified in the strategy document:

Creeks and channels may meet or exceed capacity during extreme precipitation events.

Extreme weather will result in increased natural debris (fallen trees, sediment and branches) entering creeks and channels.

Warmer, shallower water will threaten sensitive aquatic species and habitats.

Transportation infrastructure is subject to flooding due to extreme and longer duration extreme precipitation events.

Flooding could result from an increase in the frequency, intensity and duration of extreme weather events.

Next Steps

Class EA Phase (This Phase – to be finalized by end of 2022)

The Study Team will complete the following next steps:

- Prepare a Summary of this Meeting for SNGR's Review and Validation
- Share Draft Project File Report with Government Agencies and Indigenous Nations for Review and Comments
- Finalize Project File Report and Issue Notice of Study Completion

Detailed Design Phase (Next Phase – timeline not known at this time)

- Detailed design for bridge replacement and creek realignment will be completed.
- Additional technical investigations will be completed (including, terrestrial and aquatic investigations, geotechnical investigation, detailed geomorphological design, Stage 1 Archaeological Assessment).
- A Tree Preservation and Replacement Plan and Landscaping Plan will be developed to protect trees during construction and to recommend trees and vegetation.
- Additional consultation with regulatory agencies will be completed and all required permits will be obtained prior to construction. Regulatory agencies include Fisheries and Oceans Canada; Ministry of the Environment, Conservation and Parks; Ministry of Natural Resources and Forestry; and Conservation Halton.

Thank you!

Thank you to the Six Nations of the Grand River for taking the time to attend this meeting.

If you have any questions or comments, please contact the following:

Please contact the following staff for any questions or comments:

Syed Rizvi, M.Sc., P. Eng.

Transportation Engineer

Town of Oakville

syed.rizvi@oakville.ca

David Sinke, B.Eng. Mgt., P.Eng.

Principal, Transportation Engineering

Wood Environment & Infrastructure Solutions

david.sinke@woodplc.com

Talpur, Mir

From: Talpur, Mir
Sent: Tuesday, August 9, 2022 7:48 AM
To: Dawn Russell
Cc: Syed Rizvi; Sinke, David; Felker, Bob; Maher, Trina; Shams, Aniq
Subject: RE: Town of Oakville - McCraney Creek Bridge EA - Notice of Study Commencement and PIC (SNGR)

Good Morning Dawn,

My colleague, Aniq, forwarded me your following email with SNGR's availability for a meeting. Our team is available on both, September 6 and 8.

I will send you an invite for a virtual meeting via MS Teams for Tuesday, September 6 from 11 am to 12:30 pm. Please feel free to forward the meeting invite to the other members of the SNGR.

Sincerely,

Mir

Mir Ahsan Talpur, M.Env.Sc., EP

Environmental Planner

Mobile: +1 (647) 545 8974

www.woodplc.com

The logo for Wood PLC, featuring the word "wood." in a bold, dark blue, lowercase sans-serif font.

From: Dawn Russell <dawnrussell@sixnations.ca>
Sent: Friday, August 5, 2022 12:16 PM
To: Shams, Aniq <aniqa.shams@woodplc.com>
Subject: RE: Town of Oakville - McCraney Creek Bridge EA - Notice of Study Commencement and PIC (SNGR)

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Good day Aniq,

Upon review, the proposed times are not available. I have to check with the CAP Team for their availability but I have the following dates:

Tuesday, September 6th 11am

Thursday, September 8th 10:45am

Friday, September 9th 10am

Please confirm with an invitation as to what works best for your Team at your earliest convenience. Will this be an in-person or virtual meeting? I will coordinate on this side. Thanking you in advance.

Have a great weekend!

Dawn Russell
Consultation Administrative Assistant
Six Nations of the Grand River Lands and Resources
dawnrussell@sixnations.ca
519-753-0665



From: Shams, Aniq <aniqa.shams@woodplc.com>
Sent: Friday, August 5, 2022 11:04 AM
To: Dawn Russell <dawnrussell@sixnations.ca>
Cc: Talpur, Mir <mir.talpur@woodplc.com>
Subject: RE: Town of Oakville - McCraney Creek Bridge EA - Notice of Study Commencement and PIC (SNGR)

Hi again Dawn,

Just wanted to note that I will have limited availability next week so may not be able to get back to you right away. If you could please cc Mir in your emails, that will help move along coordinating the meeting.

Hope you have a great weekend!
Aniq

Aniq Shams, RPP, MCIP
Human Environment Consultant
Pronouns – She/Her/Hers
Mobile: + (416) 357-2093
www.woodplc.com



From: Shams, Aniq
Sent: Tuesday, August 2, 2022 9:59 AM
To: Dawn Russell <dawnrussell@sixnations.ca>
Subject: RE: Town of Oakville - McCraney Creek Bridge EA - Notice of Study Commencement and PIC (SNGR)

Hi Dawn,

Please find below a few possible dates and times:

Aug 16: 3:30 to 5:00

Aug 17: 10:30 to 12:00

Aug 23: Anytime before 12:00

Aug 24: 10:30-1:00

Thanks!

Aniqa

Aniqa Shams, RPP, MCIP

Human Environment Consultant

Pronouns – She/Her/Hers

Mobile: + (416) 357-2093

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From: Dawn Russell <dawnrussell@sixnations.ca>

Sent: Thursday, July 28, 2022 10:17 AM

To: Shams, Aniqa <aniqa.shams@woodplc.com>

Subject: RE: Town of Oakville - McCraney Creek Bridge EA - Notice of Study Commencement and PIC (SNGR)

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Good morning Aniqa,

I am working on a couple of dates for another meeting and awaiting for confirmation so in the meantime, yes let's see what you propose!

Have a great day!

Dawn Russell

Consultation Administrative Assistant

Six Nations of the Grand River Lands and Resources

dawnrussell@sixnations.ca

519-753-0665



From: Shams, Aniq <aniqa.shams@woodplc.com>

Sent: Thursday, July 28, 2022 10:13 AM

To: Dawn Russell <dawnrussell@sixnations.ca>

Subject: RE: Town of Oakville - McCraney Creek Bridge EA - Notice of Study Commencement and PIC (SNGR)

Hi Dawn,

Did you want me to send you a few dates that work for our team or is it easier for you to gather availability on your end first? I know how busy the team must be so just trying to figure out best way to do this.

Thanks!

Aniq

Aniq Shams, RPP, MCIP

Human Environment Consultant

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Mobile: + (416) 357-2093

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From: Robin Vanstone <rvanstone@sixnations.ca>

Sent: Thursday, July 28, 2022 9:51 AM

To: Shams, Aniq <aniqa.shams@woodplc.com>

Cc: Talpur, Mir <mir.talpur@woodplc.com>; Sinke, David <david.sinke@woodplc.com>; Felker, Bob <bob.felker@woodplc.com>; Syed Rizvi <syed.rizvi@oakville.ca>; Lonny Bomberry <lonnybomberry@sixnations.ca>; Tayler Hill <tayler.hill@sixnations.ca>

Subject: RE: Town of Oakville - McCraney Creek Bridge EA - Notice of Study Commencement and PIC (SNGR)

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Good Morning Aniq,

As I am sure that you are aware, we do not do PICs. We would like to learn more about this project specifically the environmental impacts of the project and also, is any archaeology work being planned on this site.

I have cc'd Dawn Russell, our Consultation Administrative Assistant who will coordinate on our end a meeting for this project.

In Peace and Friendship.

Niá:wen,

Robbin Vanstone

Consultation Supervisor

Lands and Resources
Six Nations of the Grand River
w. 519-753-0665 ext. 5433
c. 226-388-0284
rvanstone@sixnations.ca



 Please consider the environment before printing this e-mail

From: Shams, Aniq <aniqa.shams@woodplc.com>
Sent: July 28, 2022 9:46 AM
To: Robin Vanstone <rvanstone@sixnations.ca>
Cc: Talpur, Mir <mir.talpur@woodplc.com>; Sinke, David <david.sinke@woodplc.com>; Felker, Bob <bob.felker@woodplc.com>; Syed Rizvi <syed.rizvi@oakville.ca>; Lonny Bomberry <lonnybomberry@sixnations.ca>; Tayler Hill <tayler.hill@sixnations.ca>
Subject: RE: Town of Oakville - McCraney Creek Bridge EA - Notice of Study Commencement and PIC (SNGR)

Hi Robbin,

We wanted to follow-up on the email below – did you have a chance to review the PIC materials and reports on the project website? If so, please do let us know if you have any comments or questions at this time.

Thank you,
Aniq

Aniq Shams, RPP, MCIP
Human Environment Consultant
Pronouns – She/Her/Hers
Mobile: + (416) 357-2093
www.woodplc.com



From: Shams, Aniq
Sent: Monday, June 6, 2022 3:40 PM

To: Robin Vanstone <rvanstone@sixnations.ca>

Cc: Talpur, Mir <mir.talpur@woodplc.com>; Sinke, David <david.sinke@woodplc.com>; Felker, Bob <bob.felker@woodplc.com>; syed.rizvi@oakville.ca; lonnybomberry@sixnations.ca; Tayler Hill <tayler.hill@sixnations.ca>

Subject: Town of Oakville - McCraney Creek Bridge EA - Notice of Study Commencement and PIC (SNGR)

Hi Robbin,

The Town of Oakville has begun an Municipal Class Environmental Assessment Study (Class EA) to address the need to replace the McCraney Creek Bridge, located over McCraney Creek, on Lakeshore Road in Oakville. The town will be holding an online Public Information Centre from June 16, 2022 to June 30, 2022. The Project File Report is expected to be completed and provided for review in the Fall / Winter of 2022.

We look forward to working with you on this Class EA Study. Please let us know if you are interested in discussing this Study in more detail or have questions at any point during the Study. We would be pleased to arrange a phone call or virtual meeting.

Best Regards,
Aniqa

Aniqa Shams, RPP, MCIP

Human Environment Consultant

Pronouns – She/Her/Hers

Mobile: + (416) 357-2093

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From: [Robin Vanstone](#)
To: [Shams, Aniq](#)
Cc: [Talpur, Mir](#); [Sinke, David](#); [Felker, Bob](#); [Syed Rizvi](#); [Lonny Bomberry](#); [Tayler Hill](#)
Subject: RE: Town of Oakville - McCraney Creek Bridge EA - Notice of Study Commencement and PIC (SNGR)
Date: Thursday, July 28, 2022 9:50:54 AM
Attachments: [image003.png](#)
[image004.png](#)
[image001.png](#)
[image006.png](#)

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Good Morning Aniq,

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I have cc'd Dawn Russell, our Consultation Administrative Assistant who will coordinate on our end a meeting for this project.

In Peace and Friendship.

Niá:wen,

Robbin Vanstone

*Consultation Supervisor
Lands and Resources
Six Nations of the Grand River
w. 519-753-0665 ext. 5433
c. 226-388-0284
rvanstone@sixnations.ca*



From: Shams, Aniq <aniqa.shams@woodplc.com>
Sent: July 28, 2022 9:46 AM
To: Robin Vanstone <rvanstone@sixnations.ca>
Cc: Talpur, Mir <mir.talpur@woodplc.com>; Sinke, David <david.sinke@woodplc.com>; Felker, Bob <bob.felker@woodplc.com>; Syed Rizvi <syed.rizvi@oakville.ca>; Lonny Bomberry <lonnybomberry@sixnations.ca>; Tayler Hill <tayler.hill@sixnations.ca>
Subject: RE: Town of Oakville - McCraney Creek Bridge EA - Notice of Study Commencement and PIC (SNGR)

Hi Robbin,

We wanted to follow-up on the email below – did you have a chance to review the PIC materials and reports on the project website? If so, please do let us know if you have any comments or questions at this time.

Thank you,
Aniqa

Aniqa Shams, RPP, MCIP

Human Environment Consultant

Pronouns – She/Her/Hers

Mobile: + (416) 357-2093

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From: Shams, Aniqa

Sent: Monday, June 6, 2022 3:40 PM

To: Robin Vanstone <rvanstone@sixnations.ca>

Cc: Talpur, Mir <mir.talpur@woodplc.com>; Sinke, David <david.sinke@woodplc.com>; Felker, Bob <bob.felker@woodplc.com>; syed.rizvi@oakville.ca; lonnybomberry@sixnations.ca; Tayler Hill <tayler.hill@sixnations.ca>

Subject: Town of Oakville - McCraney Creek Bridge EA - Notice of Study Commencement and PIC (SNGR)

Hi Robbin,

The Town of Oakville has begun an Municipal Class Environmental Assessment Study (Class EA) to address the need to replace the McCraney Creek Bridge, located over McCraney Creek, on Lakeshore Road in Oakville. The town will be holding an online Public Information Centre from June 16, 2022 to June 30, 2022. The Project File Report is expected to be completed and provided for review in the Fall / Winter of 2022.

We look forward to working with you on this Class EA Study. Please let us know if you are interested in discussing this Study in more detail or have questions at any point during the Study. We would be pleased to arrange a phone call or virtual meeting.

Best Regards,
Aniqa

Aniqa Shams, RPP, MCIP

Human Environment Consultant

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Six Nations of the Grand River
1695 Chiefswood Rd
PO Box 5000, Ohsweken ON N0A 1M0

June 6, 2022

**RE: Notice of Study Commencement and Online Public Information Centre
McCraney Creek Bridge Replacement – Class Environmental Assessment**

Robbin Vanstone,

The Town of Oakville (town) has initiated a Municipal Class Environmental Assessment (Class EA) for the replacement of the McCraney Creek Bridge, located on Lakeshore Road West over McCraney Creek, immediately to the east of Fourth Line (Study). The bridge was built in 1940. Due to its deteriorating condition, ongoing erosion and risk of flooding, the bridge requires replacement. The town has retained Wood Environment & Infrastructure (Wood) to undertake this Study.

Six Nations of the Grand River was previously contacted about McCraney Creek Bridge Replacement as part of consultation for Lakeshore Road West Improvements Class EA Study. The town is committed to involving Indigenous Nations in the Study. More information about the Study can be found in the attached summary and the Notice of Study Commencement and Online Public Information Centre. Please feel free to share this information within your community as you feel appropriate.

We are interested in understanding any interests or questions the Six Nations of the Grand River may have about the Study. We are also interested to know if there are any sites of cultural significance to your community, within, or near the study area. The town welcomes the opportunity to meet with you and your community to provide more information about the Study and discuss any interests or questions you may have.

Please do not hesitate to contact me if you have any questions or concerns.

Sincerely,

Syed Rizvi

Syed Rizvi, M.Sc., P.Eng.

Transportation Engineer

Town of Oakville

905-845-6601, ext.3981

syed.rizvi@oakville.ca

Cc: David Sinke, Wood
Mir Talpur, Wood

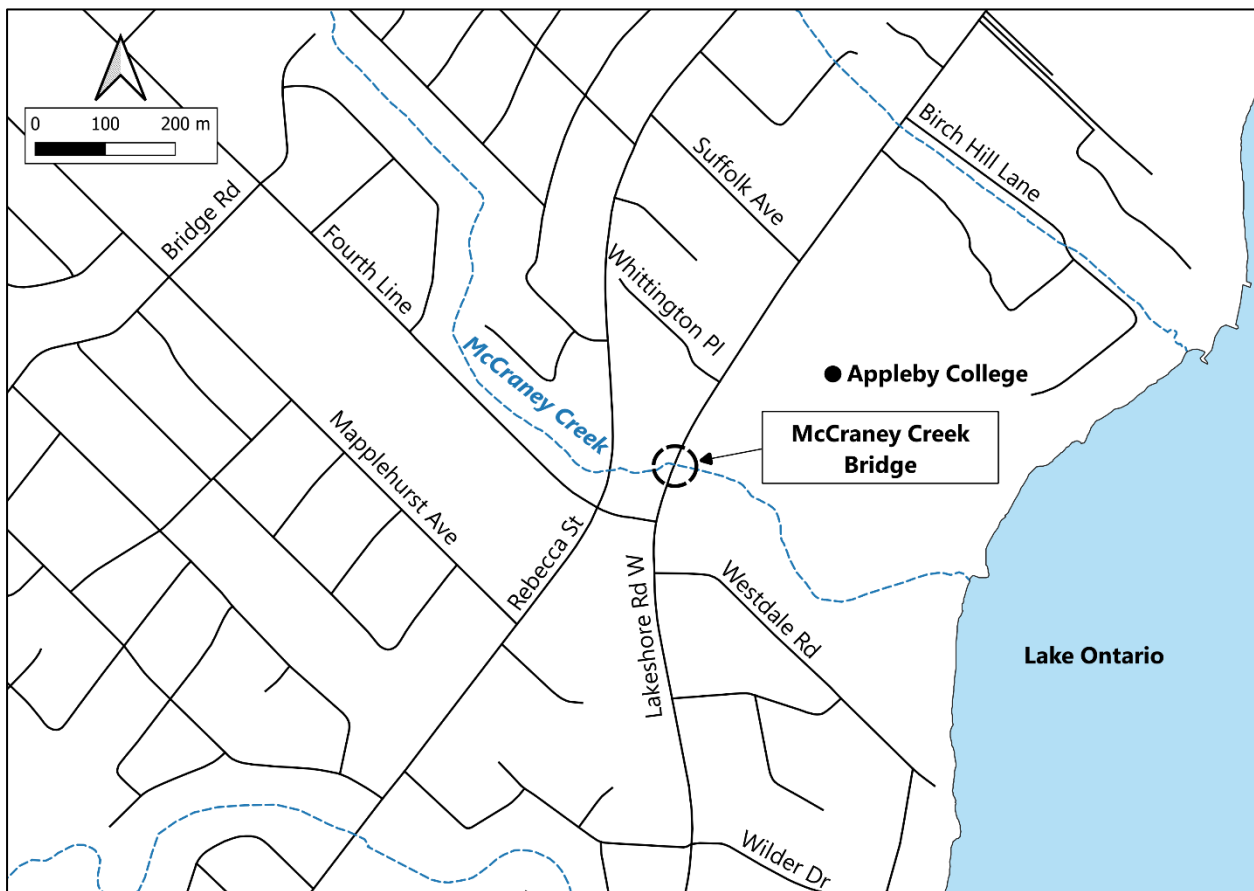
Encl: Project Information Summary, Notice of Study Commencement and Online Public Information Centre

Municipal Class Environmental Assessment for McCraney Creek Bridge Replacement (Town of Oakville)

Study Background

The Town of Oakville (town) has initiated a Municipal Class Environmental Assessment (Class EA) Schedule 'B', as outlined in the Municipal Class EA document (October 2000, as amended in 2015) for the replacement of the McCraney Creek Bridge. The bridge is located on Lakeshore Road West over McCraney Creek, immediately to the east of Fourth Line (Study). The location of McCraney Creek Bridge is shown in Figure 1 below.

Figure 1: Location of McCraney Creek Bridge



The McCraney Creek Bridge is a concrete arch structure built in 1940 and was subsequently extended with a box culvert section. In July 2017, emergency work was undertaken to temporarily stabilize the road embankment slope as a result of the north-west wingwall collapse. Further erosion issues have been identified through bridge inspections. In addition, the structure conveys the water flows associated with 100-year

storm event, however, modelling indicates that the bridge is overtopped by the Regional storm by approximately 1.40 m. Due to the condition of this crossing, it requires replacement.

Current Study

This Municipal Class EA Study will build on and utilize information from previously completed reports, developed as part of the Lakeshore Road West Improvements Study, which was initiated in November 2016, as a Schedule 'C' Municipal Class EA Study. On July 6, 2021, the Town of Oakville Council held a Special Council meeting, where Town Council directed staff to terminate the Municipal Class EA for Lakeshore Road West improvements, and instead proceed with a separate Municipal Class EA for the McCraney Creek Bridge Replacement, using information, analysis and design from the Lakeshore Road West Study, including alternatives considered and evaluated, that were previously shared with the public, government agencies, Indigenous Nations, and key stakeholders as part of the consultation process

As part of this Class EA Study for McCraney Creek Bridge Replacement, consultation with the public, government agencies, Indigenous Nations and key stakeholders is being completed to share the preferred solution for bridge replacement. Existing conditions within the Study Area, consultation process, project description, project's effects and proposed mitigation measures and next steps will be documented in a Project File Report, which will be made available for a formal public review period.

Schedule and Next Steps

- Online Public Information Centre: June 16, 2022 – June 30, 2022
- Project File Report: Fall / Winter 2022

Contact Information

Syed Rizvi, M.Sc., P.Eng.
Transportation Engineer
Town of Oakville
905-845-6601, ext.3981
syed.rizvi@oakville.ca

David Sinke, B.Eng. Mgt., P.Eng.
Principal, Transportation Engineering
Wood Environment and Infrastructure Solutions
905-630-5842
david.sinke@woodplc.com

To be the most livable town in Canada.

McCraney Creek Bridge Replacement Notice of Study Commencement and Online Public Information Centre

The Study: The town has initiated an environmental assessment for the replacement of the McCraney Creek Bridge that is located over McCraney Creek, on Lakeshore Road West immediately to the east of Fourth Line. The bridge was built in 1940. Due to its deteriorating condition, ongoing erosion and risk of flooding, the bridge requires replacement.

The process: This Study will satisfy the requirements of a Schedule 'B' project as outlined in the Municipal Class

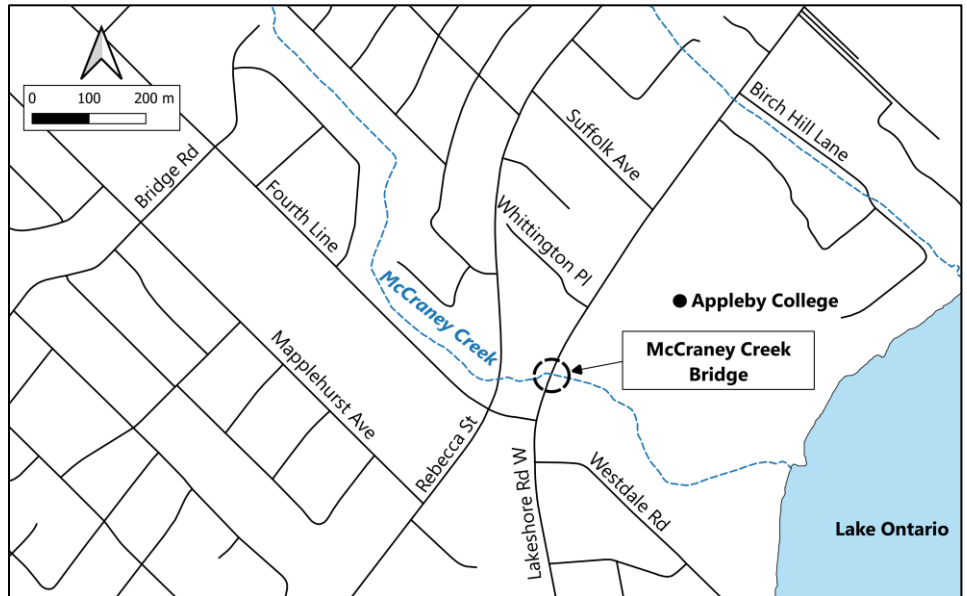
Environmental Assessment (Class EA) document (October 2000, as amended in 2015). This Class EA Study will build on and utilize information from previously completed reports that were developed as part of the Lakeshore Road West Improvements Class EA Study.

Online consultation: The town is hosting a Public Information Centre to share the recommended solution for bridge replacement. Information materials will be available on oakville.ca by searching McCraney Creek Bridge EA, from June 16 to 30, 2022. We encourage you to participate by reviewing the information materials and providing any comments on the online comment form by June 30, 2022. You are also invited to attend the Online Presentation on Tuesday, June 21, 2022, at 6 p.m. where there will be an opportunity to ask any questions of the study team and provide comments. Please visit the project web page on oakville.ca for details on how to join the meeting.

Your Input is Important! Following this public consultation, the Class EA study team will review all the comments received and incorporate them into the Project File Report (PFR), as required. A Notice of Completion will be issued once the PFR is finalized, and it will be made available online for review for a minimum 30-day review period. We look forward to hearing from you. If you have any questions or comments, please contact the following Class EA study team members:

Syed Rizvi, M.Sc., P.Eng.
Transportation Engineer
Town of Oakville
905-845-6601, ext.3981
syed.rizvi@oakville.ca

David Sinke, B.Eng. Mgt., P.Eng.
Principal, Transportation Engineering
Wood Environment and Infrastructure Solutions
905-630-5842
david.sinke@woodplc.com



Project File Report
McCraney Creek Bridge Replacement
Municipal Class Environmental
Assessment

**Haudenosaunee Confederacy Chiefs Council as
represented by Haudenosaunee Development
Institute**

Meeting Summary - DRAFT

Date: July 28, 2022, 1:30 pm – 2:30 pm

Meeting at: Microsoft Teams

Ref: McCraney Creek Bridge Replacement Schedule 'B' Municipal Class Environmental Assessment (Class EA)

Subject/purpose:

To discuss the Haudenosaunee Development Institute Application for Consideration and Engagement for Development and the applicability to the McCraney Creek Bridge Replacement Project.

Attendees:

Haudenosaunee Development Institute (HDI):
Raechelle Williams

Town of Oakville:
Syed Rizvi

Wood:
Bob Felker
Mir Talpur
Trina Maher
Aniqa Shams

1. INTRODUCTIONS AND AGENDA

Wood opened the meeting and facilitated a round of introductions. Wood identified the purpose of the meeting is to discuss the Haudenosaunee Development Institute Application for Consideration and Engagement for Development in relation to the Project. Wood also noted that they will provide a brief overview of the Study to provide context for the discussion.

1.1 Comment – HDI to Town/Wood: HDI noted that they do not provide consent to this project and are unsure if the proponent has submitted the application.

Wood acknowledged that consent was not provided. Wood also noted that the application has not been submitted and the purpose of this discussion is to understand the purpose of the development application and what projects (such as this one) may not be within the scope of the development application requirements.

2. PROJECT OVERVIEW

The town is undertaking an environmental assessment study for the replacement of the McCraney Creek bridge. The Study will address structural deficiency, ongoing erosion and flooding risk. The Study will follow phases 1 and 2 of the Municipal Class EA process. This Class EA Study will build on and utilize information from previously completed reports that were developed as part of the Lakeshore Road West Improvements project, which was initiated in November 2016, as a Schedule 'C' Municipal Class EA Study. The next steps will include preparing the Project File Report and issuing the Notice of Study Completion. This will likely occur in the fall of 2022. HDI will be provided with an opportunity to review the draft Project File Report.

No comments were received.

3. HDI APPLICATION FOR CONSIDERATION AND ENGAGEMENT FOR DEVELOPMENT

Wood explained that this Class Environmental Assessment is for a municipal infrastructure project and based on the Project Team's review and understanding of the HDI Application for Consideration and Engagement for Development, this form seems to be more directed towards land development projects, such as housing or commercial developments (subdivision plans, site plans, etc.).

3.1 Comment – Wood to HDI: Wood asked if there are any other types of support that the town can provide to HDI.

HDI noted that any project within HDI's traditional territory is required to complete this application form and submit the associated fee. However, HDI will discuss applicability of this form to municipal infrastructure projects with their team and may set up a subsequent meeting with other members of the HDI team with the town to discuss this matter further. HDI noted that other municipalities have signed this form, and this is the first time the question of the applicability of the form in relation to municipal infrastructure projects/works has been inquired about.

3.2 Comment – Town to HDI: The town explained that there will be further opportunities for consultation in the detailed design phase of the project, where additional studies will occur.

HDI explained that the expectation is for HDI to be involved in the environmental assessment and preliminary design stage, as well as in the detailed design phase.

3.3 Comment – Town to HDI: The town confirmed that the municipality will be paying the fee to facilitate HDI's involvement in the review and comment of project reports. However, due to the earlier expressed comment that this form does not seem to relate to municipal infrastructure projects, the town would like cover associated engagement fee with HDI, but do so without having to sign the HDI Application for Consideration and Engagement for Development

3.4 Comment – Wood to HDI: Wood noted the draft Project File Report will be provided for review and comment. Wood stated that upon their review, HDI can identify what the expectation is for engagement during detailed design (i.e., construction monitoring), which Wood will document in the Project File Report.

4. CLOSING COMMENTS:

Wood and the town thanked the meeting participants and adjourned the meeting. Wood identified that a draft meeting summary will be provided to HDI for review and validation, along with an information package regarding the project.

ACTIONS:

1. HDI to advise whether the town can provide engagement fee to HDI without having to complete the HDI Application for Consideration and Engagement for Development, as that form appears to be relevant to land development type of projects. (Comment 3.3).
2. Wood to provide HDI with a copy of the draft meeting summary for feedback and validation, as well as an information package of an overview of the Study.

From: [Shams, Aniq](#)
To: [Janice Williams](#); [Syed Rizvi](#)
Cc: [Sinke, David](#); [Felker, Bob](#); [Maher, Trina](#); williams.todde@gmail.com; [Aaron Detlor](#); [HDI Administration](#); [Talpur, Mir](#)
Subject: RE: Town of Oakville - McCraney Creek Bridge Replacement - Draft Project File Report (HDI)
Date: Monday, October 24, 2022 11:54:01 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)

Hi Raechelle,

We wanted to let you know that the Town has completed the payment process and the cheque will be mailed out early next week. Hopefully this allows you and others at HDI to begin the review of the draft Project File Report. Please do let us know when we can expect to receive comments.

Thank you,
Aniq



Aniq Shams
Human Environment Consultant
MCIP, RPP
She/Her

M+ 1 416-357-2093

WSP E&I Canada Limited
2020 Winston Park Dr #700
Oakville, Ontario
L6H 6X7 Canada

wsp.com

From: Janice Williams <janicewilliams@hdi.land>
Sent: Wednesday, October 12, 2022 3:44 PM
To: Syed Rizvi <syed.rizvi@oakville.ca>
Cc: Sinke, David <david.sinke@wsp.com>; Felker, Bob <bob.felker@wsp.com>; Maher, Trina <trina.maher@wsp.com>; williams.todde@gmail.com; Aaron Detlor <Aarondetlor@gmail.com>; HDI Administration <traceyghdi@gmail.com>; Talpur, Mir <mir.talpur@wsp.com>; Shams, Aniq <aniqa.shams@wsp.com>
Subject: Re: Town of Oakville - McCraney Creek Bridge Replacement - Draft Project File Report (HDI)

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Sge:no/Hello Syed,

I want to follow-up with our call yesterday and your question in regards to sending out the applicant and fee to whom.

You may send the application fee to Haudenosaunee Development Institute and mail to our mailing address:

P.O.Box 714
Ohsweken ON.
NOA 1M0

On the check section "Pay to the order of" can be made to Haudenosaunee Development Institute.

With your comment on this project being less than \$300,000, the payment to be made is \$3,000.

Nya:weh/Thank-you,

Raechelle Williams
HDI Environmental Supervisor
Haudenosaunee Development Institute
16 Sunrise Court, Suite 402B Ohsweken, ON
P.O. Box 714
Ph: 519-445-4222
(Direct): 519-802-9402



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On Tue, Oct 11, 2022 at 1:48 PM Janice Williams <janicewilliams@hdi.land> wrote:

Sge:no/Hello,

On the application "SECTION 9: APPLICATION FEE" states the amount of cost for the fee to review the required documents and begin the steps towards consultation.

9.1 An application fee is enclosed in the amount of \$ on the basis that the cost of the proposed project is:

- Less than \$300,000 (fee of \$3,000)
- Greater than \$300,000 but less than \$500,000 (fee of \$5,000)
- Greater than or equal to \$500,000 (fee of \$7,000)

If this project is greater than or equal to \$500,000, HDI expects to receive a payment of \$7,000.

Nya:weh/Thank-you,

Raechelle Williams
HDI Environmental Supervisor
Haudenosaunee Development Institute
16 Sunrise Court, Suite 402B Ohsweken, ON
P.O. Box 714
Ph: 519-445-4222
(Direct): 519-802-9402



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On Tue, Oct 11, 2022 at 12:06 PM Shams, Aniq <aniqa.shams@wsp.com> wrote:

Hi Raechelle,

Following my voicemail from today, if you could please confirm the fee amount so that the Town can look into processing the payment as soon as possible, that would be great.

Thanks,
Aniqa



Aniqa Shams
Human Environment Consultant
MCIP, RPP
She/Her

M+ 1 416-357-2093

WSP E&I Canada Limited
2020 Winston Park Dr #700
Oakville, Ontario
L6H 6X7 Canada

wsp.com

From: Talpur, Mir <mir.talpur@wsp.com>

Sent: Friday, October 7, 2022 1:41 PM

To: Janice Williams <janicewilliams@hdi.land>

Cc: Syed Rizvi <syed.rizvi@oakville.ca>; Sinke, David <david.sinke@wsp.com>; Felker, Bob <bob.felker@wsp.com>; Maher, Trina <trina.maher@wsp.com>; williams.todde@gmail.com; Aaron Detlor <Aarondetlor@gmail.com>; HDI Administration <traceyghdi@gmail.com>; Shams, Aniq <aniqa.shams@wsp.com>

Subject: RE: Town of Oakville - McCraney Creek Bridge Replacement - Draft Project File Report (HDI)

Thanks, Raechelle. Could you please confirm the fee amount? The Town staff will proceed to process the payment.

Sincerely,



Mir Ahsan Talpur, M.Env.Sc., EP
Environmental Planner
He/Him

M+ 1 647-545-8974

Please be aware that, effective September 21st, 2022, Wood Environment & Infrastructure Solutions Canada Limited was acquired by WSP.

From: Janice Williams <janicewilliams@hdi.land>

Sent: Friday, October 7, 2022 12:14 PM

To: Shams, Aniq <aniqa.shams@wsp.com>

Cc: Talpur, Mir <mir.talpur@wsp.com>; Sinke, David <david.sinke@wsp.com>; Felker, Bob <bob.felker@wsp.com>; Syed Rizvi <syed.rizvi@oakville.ca>; Maher, Trina <trina.maher@wsp.com>; williams.todde@gmail.com; Aaron Detlor <Aarondetlor@gmail.com>; HDI Administration <traceyghdi@gmail.com>

Subject: Re: Town of Oakville - McCraney Creek Bridge Replacement - Draft Project File Report (HDI)

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Hello Aniq,

With this project application process we ask that the city of Oakville provides the initial fee for HDI to review these reports. The city of Oakville can send this fee to HDI through cheque or EFT and HDI can accommodate with this payment being sent out in two separate fees as long as the fee corresponds with the amount.

If there is no payment on the application process for HDI to review, we cannot consult and allow this project to move forward.

Nya:weh/Thank-you,

Raechelle Williams
HDI Environmental Supervisor
Haudenosaunee Development Institute
16 Sunrise Court, Suite 402B Ohsweken, ON
P.O. Box 714
Ph: 519-445-4222
(Direct): 519-802-9402



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On Mon, Oct 3, 2022 at 3:15 PM Shams, Aniq <aniqa.shams@wsp.com> wrote:

Hi Raechelle,

Thanks for the quick chat. As we discussed, I understand that you have a meeting later this week and we can expect to hear back from you after the meeting on further direction regarding funding.

In the meantime, please feel free to reach out at any time if you have issues with the link or any general questions.

Best regards,
Aniq



Aniq Shams
Human Environment Consultant
MCIP, RPP
She/Her

M+ 1 416-357-2093

WSP E&I Canada Limited
2020 Winston Park Dr #700

Oakville, Ontario
L6H 6X7 Canada

wsp.com

From: Shams, Aniq
Sent: Monday, September 26, 2022 9:58 AM
To: Janice Williams <janicewilliams@hdi.land>
Cc: Talpur, Mir <mir.talpur@woodplc.com>; Sinke, David <david.sinke@woodplc.com>; Felker, Bob <bob.felker@woodplc.com>; Syed Rizvi <syed.rizvi@oakville.ca>; Maher, Trina <trina.maher@woodplc.com>; williams.todde@gmail.com
Subject: Town of Oakville - McCraney Creek Bridge Replacement - Draft Project File Report (HDI)

Hello Raechelle,

The Town of Oakville is undertaking an environmental assessment for the replacement of the McCraney Creek Bridge that is located over McCraney Creek, on Lakeshore Road West immediately to the east of Fourth Line. The bridge was built in 1940. Due to its deteriorating condition, ongoing erosion and risk of flooding, the bridge requires replacement. A Public Information Centre was hosted from June 16 to June 30, 2022 to share the recommended solution for bridge replacement.

The Study Team has now prepared the “**Draft**” **Project File Report** for this Class EA Study. You are invited to review the draft report and provide any comments by **October 26, 2022**. After this review period, the Study Team will finalize the report and issue it for a formal 30-day review period along with a Notice of Completion.

Download Link: [11- McCraney Creek Bridge - Draft Project File Report-26-09-2022](#)

As a reminder of previous engagement, Haudenosaunee Development Institute and the Study team had a meeting to discuss the HDI Application for Consideration and Engagement for Development on July 28, 2022 (see below). Since the Draft Project File Report is now available, we are hoping you can advise on how funding can be provided to support their report review.

Feel free to contact me if you encounter any issues with downloading the file, or if you prefer any other method of file transfer.

Best regards,
Aniq



Aniq Shams
Human Environment Consultant
MCIP, RPP
She/Her

M+ 1 416-357-2093

WSP E&I Canada Limited
2020 Winston Park Dr #700
Oakville, Ontario
L6H 6X7 Canada

wsp.com

From: Shams, Aniq
Sent: Monday, September 19, 2022 4:02 PM
To: Janice Williams <janicewilliams@hdi.land>
Cc: Talpur, Mir <mir.talpur@woodplc.com>; Sinke, David <david.sinke@woodplc.com>; Felker, Bob <bob.felker@woodplc.com>; Syed Rizvi <syed.rizvi@oakville.ca>; Maher, Trina <trina.maher@woodplc.com>
Subject: RE: Town of Oakville - McCraney Creek Bridge EA - PFR Update (HDI)

Hi Raechelle,

Following my voicemail, we wanted to follow up on the email below. Please do let us know if you had any comments or

concerns on the attached meeting summary and let us know the invoice process for the review of the Draft Project File Report.

Feel free to give me a call at anytime or email.

Best regards,
Aniqa

Aniqa Shams, RPP, MCIP

Human Environment Consultant

Pronouns – She/Her/Hers

Mobile: + (416) 357-2093

www.woodplc.com



From: Shams, Aniqa

Sent: Friday, September 9, 2022 11:41 AM

To: Janice Williams <janicewilliams@hdi.land>

Cc: Talpur, Mir <mir.talpur@woodplc.com>; Sinke, David <david.sinke@woodplc.com>; Felker, Bob <bob.felker@woodplc.com>; Syed Rizvi <syed.rizvi@oakville.ca>; Maher, Trina <trina.maher@woodplc.com>

Subject: RE: Town of Oakville - McCraney Creek Bridge EA - PFR Update (HDI)

Hi Raechelle,

Thank you for your patience while we prepared the meeting summary from our July 28 meeting. Please let us know if you have any comments or concerns on the summary. As per action item #1 in the meeting summary, and the email below, we hope to receive some guidance and confirmation on the fees and invoice process associated with the review of the Draft Project File Report from you.

As always, feel free to call or email me at any time if you have any questions.

Thanks,
Aniqa

Aniqa Shams, RPP, MCIP

Human Environment Consultant

Pronouns – She/Her/Hers

Mobile: + (416) 357-2093

www.woodplc.com



From: Shams, Aniqa

Sent: Wednesday, September 7, 2022 10:48 AM

To: Janice Williams <janicewilliams@hdi.land>

Cc: Talpur, Mir <mir.talpur@woodplc.com>; Sinke, David <david.sinke@woodplc.com>; Felker, Bob <bob.felker@woodplc.com>; Syed Rizvi <syed.rizvi@oakville.ca>; Maher, Trina <trina.maher@woodplc.com>

Subject: RE: Town of Oakville - McCraney Creek Bridge EA - PFR Update (HDI)

Hi Raechelle,

Hope you're doing well! We wanted to provide an update regarding the McCraney Creek Bridge EA. We will be distributing the Draft Project File Report for review and comment by mid-September. If you could please let us know what the fee will be for reviewing the Draft Project File Report and any of the appendices, that would be great. Please also let us know if it's acceptable for HDI to invoice the Town directly for the review.

Feel free to give me a call at any point if you want to discuss!

Best regards,
Aniqa

Aniqa Shams, RPP, MCIP

Human Environment Consultant

Pronouns – She/Her/Hers
Mobile: + (416) 357-2093
www.woodplc.com



From: Shams, Aniq
Sent: Tuesday, August 16, 2022 8:24 AM
To: Janice Williams <janicewilliams@hdi.land>
Cc: Talpur, Mir <mir.talpur@woodplc.com>; Sinke, David <david.sinke@woodplc.com>; Felker, Bob <bob.felker@woodplc.com>; Syed Rizvi <syed.rizvi@oakville.ca>; Maher, Trina <trina.maher@woodplc.com>
Subject: RE: Town of Oakville - McCraney Creek Bridge EA - Notice of Study Commencement and PIC (HDI)

Hi Raechelle,

I was wondering if you had the chance to speak to your legal team about our discussion few weeks ago regarding the Development Application? Did you have any further guidance for us on whether it's possible to pay the fee, without completing the application? Please do let us know your thoughts and if you would like to set up another meeting, I would be happy to arrange that.

Best regards,
Aniq

Aniq Shams, RPP, MCIP
Human Environment Consultant
Pronouns – She/Her/Hers
Mobile: + (416) 357-2093
www.woodplc.com



From: Janice Williams <janicewilliams@hdi.land>
Sent: Thursday, July 21, 2022 3:07 PM
To: Shams, Aniq <aniqa.shams@woodplc.com>
Cc: Talpur, Mir <mir.talpur@woodplc.com>; Sinke, David <david.sinke@woodplc.com>; Felker, Bob <bob.felker@woodplc.com>; Syed Rizvi <syed.rizvi@oakville.ca>; Todd Williams <williams.todde@gmail.com>; Aaron Detlor <Aarondetlor@gmail.com>; Brian Doolittle <ganowa@me.com>; Maher, Trina <trina.maher@woodplc.com>
Subject: Re: Town of Oakville - McCraney Creek Bridge EA - Notice of Study Commencement and PIC (HDI)

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Hello Aniq,

I can attend July 28th at 1:30pm to 2:30pm.

Thanks,

Raechelle Williams
HDI Environmental Supervisor
Haudenosaunee Development Institute
16 Sunrise Court, Suite 402B Ohsweken, ON
P.O. Box 714
Ph: 519-445-4222
(Direct): 519-802-9402



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On Wed, Jul 20, 2022 at 5:59 AM Shams, Aniq <aniqa.shams@woodplc.com> wrote:

Hi Raechelle,

I hope everything with your family is okay now. As we discussed on Monday, here are some additional dates and times for next week:

July 26: 12:00-1:00 or after 3:30

July 27: 11:00-12:00

July 28: 12:00-1:00, 1:30 to 3:00

Let me know if any of these dates and times work or if you would like to push the meeting to the week after.

Thank you,
Aniq

Aniq Shams, RPP, MCIP

Human Environment Consultant

Pronouns – She/Her/Hers

Mobile: + (416) 357-2093

www.woodplc.com



From: Janice Williams <janicewilliams@hdi.land>

Sent: Thursday, July 14, 2022 12:28 PM

To: Shams, Aniq <aniqa.shams@woodplc.com>

Cc: Talpur, Mir <mir.talpur@woodplc.com>; Sinke, David <david.sinke@woodplc.com>; Felker, Bob <bob.felker@woodplc.com>;

Syed Rizvi <syed.rizvi@oakville.ca>; Todd Williams <williams.todde@gmail.com>; Aaron Detlor <Aarondetlor@gmail.com>; Brian

Doolittle <ganowa@me.com>; Kelly, Mary K <mary.k.kelly@woodplc.com>

Subject: Re: Town of Oakville - McCraney Creek Bridge EA - Notice of Study Commencement and PIC (HDI)

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Hello Aniq,

I can meet with you on the 18 for 1pm.

Raechelle Williams

On Wed., Jul. 13, 2022, 2:13 p.m. Shams, Aniq <aniqa.shams@woodplc.com> wrote:

Hi Raechelle,

It was nice to speak to you. As I mentioned on the phone, here is our availability to further discuss this project and the development application:

- July 15: 10:30 am – 12:00 pm
- July 18: 1:00 pm - 4:00 pm
- July 19: 9:00 am - 11:00 am

Let us know which day and time works and I'll send out the meeting invite. Please also let me know who else should be invited from your team.

Thanks,
Aniq

Aniq Shams, RPP, MCIP

Human Environment Consultant

Pronouns – She/Her/Hers

Mobile: + (416) 357-2093

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From: Janice Williams <janicewilliams@hdi.land>
Sent: Wednesday, June 8, 2022 3:10 PM
To: Shams, Aniq <aniqa.shams@woodplc.com>
Cc: Talpur, Mir <mir.talpur@woodplc.com>; Sinke, David <david.sinke@woodplc.com>; Felker, Bob <bob.felker@woodplc.com>; Syed Rizvi <syed.rizvi@oakville.ca>; Todd Williams <williams.todde@gmail.com>; Aaron Detlor <Aarondetlor@gmail.com>; Brian Doolittle <ganowa@me.com>
Subject: Re: Town of Oakville - McCraney Creek Bridge EA - Notice of Study Commencement and PIC (HDI)

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Sge:no/Hello Aniq,

The HDI Application for Development fee goes towards our initial team to do the review and research on the documents your team provides. This review allows HDI to determine whether the project should go further into the development process and grants HDI to consider with engagement. Again, HDI and HCCC are not federally operated and we use the application fee to pay for our time to review such documents.

Our monitoring program is completely different. We still ask to have monitors present during the review process as this is our due diligence and quality assurance as we our stewardships of the land.

If you have further questions I can refer you to my legal team.

Nya:weh/Thanks,

Raechelle Williams
HDI Environmental Supervisor
Haudenosaunee Development Institute
16 Sunrise Court, Suite 402B Ohsweken, ON
P.O. Box 714
Ph: 519-445-4222
(Direct): 519-802-9402



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On Wed, Jun 8, 2022 at 7:14 AM Shams, Aniq <aniqa.shams@woodplc.com> wrote:

Hi Raechelle,

We're looking into the HDI Application for Development and had a question regarding the fee noted in the application. Can you please clarify what this fee is for? Is this fee specifically for fieldwork participation?

Thanks,
Aniq

Aniq Shams, RPP, MCIP
Human Environment Consultant
Pronouns – She/Her/Hers
Mobile: + (416) 357-2093
www.woodplc.com

From: Janice Williams <janicewilliams@hdi.land>
Sent: Monday, June 6, 2022 7:43 PM
To: Shams, Aniq <aniqa.shams@woodplc.com>
Cc: Talpur, Mir <mir.talpur@woodplc.com>; Sinke, David <david.sinke@woodplc.com>; Felker, Bob <bob.felker@woodplc.com>; Syed Rizvi <syed.rizvi@oakville.ca>; Todd Williams <williams.todde@gmail.com>
Subject: Re: Town of Oakville - McCraney Creek Bridge EA - Notice of Study Commencement and PIC (HDI)

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Sge:no/Hello Aniq,

I am free to meet tomorrow at noon and yes this will just be an initial meeting between the two of us to go over the small discussion of the project and HDI's interest of the project.

Nya:weh,

Raechelle Williams
HDI Environmental Supervisor
Haudenosaunee Development Institute
16 Sunrise Court, Suite 402B Ohsweken, ON
P.O. Box 714
Ph: 519-445-4222
(Direct): 519-802-9402



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On Mon, Jun 6, 2022 at 1:20 PM Shams, Aniq <aniqa.shams@woodplc.com> wrote:

Hi Raechelle,

Thanks for getting back to us so quickly! Does tomorrow at 12 work for you or July 9 at 10am? Let me your preference and I can send you a meeting invite. The call would be just between the two of us to understand HDI's interest in the Project. After our initial meeting, if needed, I can set up a call with the Town and the broader team for further discussions.

Best regards,
Aniq

Aniq Shams, RPP, MCIP
Human Environment Consultant
Pronouns – She/Her/Hers
Mobile: + (416) 357-2093
www.woodplc.com

From: Janice Williams <janicewilliams@hdi.land>
Sent: Monday, June 6, 2022 6:52 PM
To: Shams, Aniq <aniqa.shams@woodplc.com>
Cc: Talpur, Mir <mir.talpur@woodplc.com>; Sinke, David <david.sinke@woodplc.com>; Felker, Bob <bob.felker@woodplc.com>; Syed Rizvi <syed.rizvi@oakville.ca>; Todd Williams <williams.todde@gmail.com>
Subject: Re: Town of Oakville - McCraney Creek Bridge EA - Notice of Study Commencement and PIC (HDI)

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Sge:no/Hello Aniq,

Nya:weh for sharing the City of Oakville McCraney Creek Bridge Replacement MCEA. At this time I would like to have a small discussion on the project and have the HDI environmental monitoring participate in any of the upcoming field studies with your team. I am available tomorrow after 10am and Thursday after 9:30am if we can talk more.

Nya:weh/Thanks,

Raechelle Williams
HDI Environmental Supervisor
Haudenosaunee Development Institute
16 Sunrise Court, Suite 402B Ohsweken, ON
P.O. Box 714

Ph: 519-445-4222
(Direct): 519-802-9402



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On Mon, Jun 6, 2022 at 12:37 PM Shams, Aniq <aniqa.shams@woodplc.com> wrote:

Hi Raechelle,

The Town of Oakville has begun an Municipal Class Environmental Assessment Study (Class EA) to address the need to replace the McCraney Creek Bridge, located over McCraney Creek, on Lakeshore Road in Oakville. The town will be holding an online Public Information Centre from June 16, 2022 to June 30, 2022. The Project File Report is expected to be completed and provided for review in the Fall / Winter of 2022.

We look forward to working with you on this Class EA Study. Please let us know if you are interested in discussing this Study in more detail or have questions at any point during the Study. We would be pleased to arrange a phone call or virtual meeting

Best Regards,
Aniq

Aniq Shams, RPP, MCIP
Human Environment Consultant
Pronouns – She/Her/Hers
Mobile: + (416) 357-2093
www.woodplc.com

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Haudenosaunee Confederacy c/o Haudenosaunee Development Institute
16 Sunrise Court, Suite 600, P.O. Box 714
Ohsweken ON N0A 1M0

June 6, 2022

**RE: Notice of Study Commencement and Online Public Information Centre
McCraney Creek Bridge Replacement – Class Environmental Assessment**

Raechelle Williams,

The Town of Oakville (town) has initiated a Municipal Class Environmental Assessment (Class EA) for the replacement of the McCraney Creek Bridge, located on Lakeshore Road West over McCraney Creek, immediately to the east of Fourth Line (Study). The bridge was built in 1940. Due to its deteriorating condition, ongoing erosion and risk of flooding, the bridge requires replacement. The town has retained Wood Environment & Infrastructure (Wood) to undertake this Study.

Haudenosaunee Confederacy c/o Haudenosaunee Development Institute was previously contacted about McCraney Creek Bridge Replacement as part of consultation for Lakeshore Road West Improvements Class EA Study. The town is committed to involving Indigenous Nations in the Study. More information about the Study can be found in the attached summary and the Notice of Study Commencement and Online Public Information Centre. Please feel free to share this information within your community as you feel appropriate.

We are interested in understanding any interests or questions the Haudenosaunee Development Institute may have about the Study. We are also interested to know if there are any sites of cultural significance to your community, within, or near the study area. The town welcomes the opportunity to meet with you and your community to provide more information about the Study and discuss any interests or questions you may have.

Please do not hesitate to contact me if you have any questions or concerns.

Sincerely,

Syed Rizvi

Syed Rizvi, M.Sc., P.Eng.

Transportation Engineer

Town of Oakville

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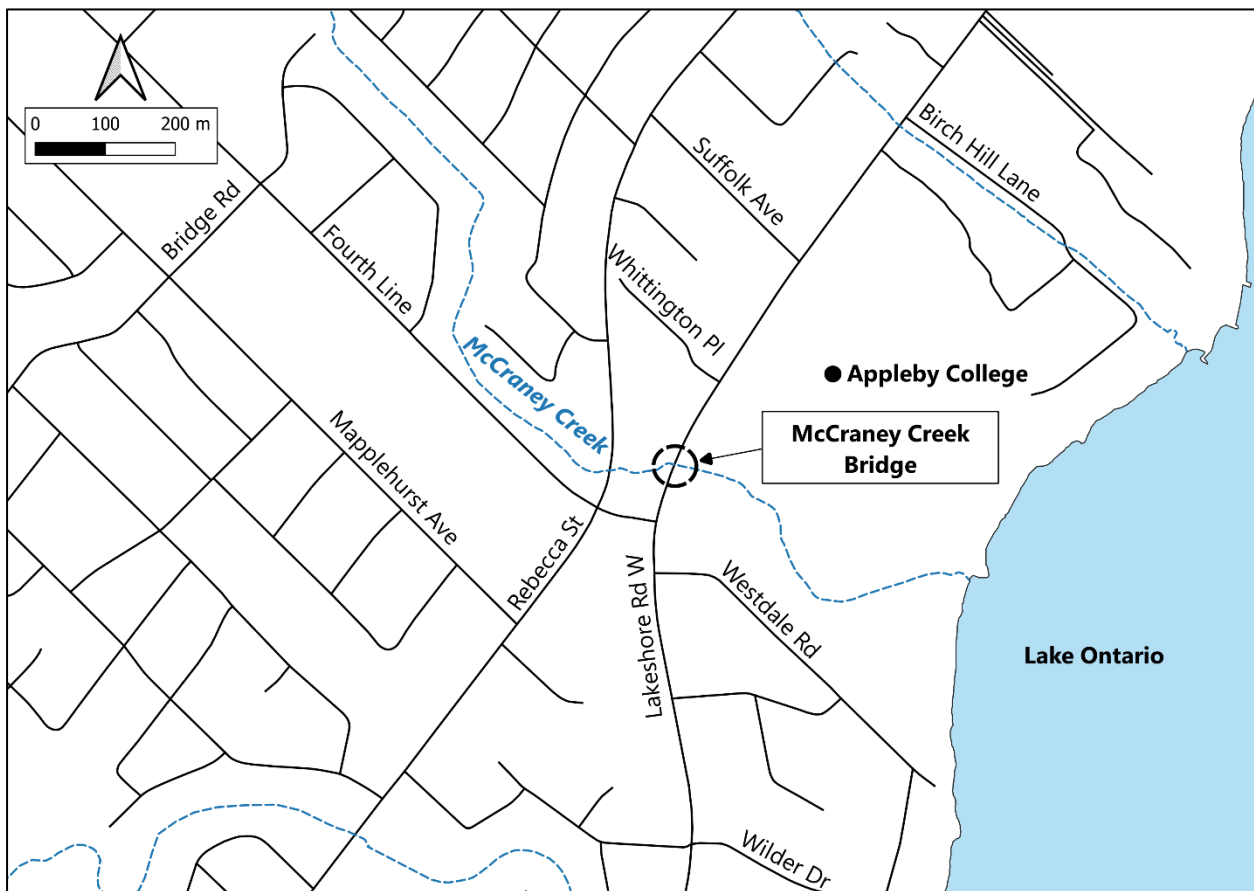
Encl: Project Information Summary, Notice of Study Commencement and Online Public Information Centre

Municipal Class Environmental Assessment for McCraney Creek Bridge Replacement (Town of Oakville)

Study Background

The Town of Oakville (town) has initiated a Municipal Class Environmental Assessment (Class EA) Schedule 'B', as outlined in the Municipal Class EA document (October 2000, as amended in 2015) for the replacement of the McCraney Creek Bridge. The bridge is located on Lakeshore Road West over McCraney Creek, immediately to the east of Fourth Line (Study). The location of McCraney Creek Bridge is shown in Figure 1 below.

Figure 1: Location of McCraney Creek Bridge



The McCraney Creek Bridge is a concrete arch structure built in 1940 and was subsequently extended with a box culvert section. In July 2017, emergency work was undertaken to temporarily stabilize the road embankment slope as a result of the north-west wingwall collapse. Further erosion issues have been identified through bridge inspections. In addition, the structure conveys the water flows associated with 100-year

storm event, however, modelling indicates that the bridge is overtopped by the Regional storm by approximately 1.40 m. Due to the condition of this crossing, it requires replacement.

Current Study

This Municipal Class EA Study will build on and utilize information from previously completed reports, developed as part of the Lakeshore Road West Improvements Study, which was initiated in November 2016, as a Schedule 'C' Municipal Class EA Study. On July 6, 2021, the Town of Oakville Council held a Special Council meeting, where Town Council directed staff to terminate the Municipal Class EA for Lakeshore Road West improvements, and instead proceed with a separate Municipal Class EA for the McCraney Creek Bridge Replacement, using information, analysis and design from the Lakeshore Road West Study, including alternatives considered and evaluated, that were previously shared with the public, government agencies, Indigenous Nations, and key stakeholders as part of the consultation process

As part of this Class EA Study for McCraney Creek Bridge Replacement, consultation with the public, government agencies, Indigenous Nations and key stakeholders is being completed to share the preferred solution for bridge replacement. Existing conditions within the Study Area, consultation process, project description, project's effects and proposed mitigation measures and next steps will be documented in a Project File Report, which will be made available for a formal public review period.

Schedule and Next Steps

- Online Public Information Centre: June 16, 2022 – June 30, 2022
- Project File Report: Fall / Winter 2022

Contact Information

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McCraney Creek Bridge Replacement Notice of Study Commencement and Online Public Information Centre

The Study: The town has initiated an environmental assessment for the replacement of the McCraney Creek Bridge that is located over McCraney Creek, on Lakeshore Road West immediately to the east of Fourth Line. The bridge was built in 1940. Due to its deteriorating condition, ongoing erosion and risk of flooding, the bridge requires replacement.

The process: This Study will satisfy the requirements of a Schedule 'B' project as outlined in the Municipal Class

Environmental Assessment (Class EA) document (October 2000, as amended in 2015). This Class EA Study will build on and utilize information from previously completed reports that were developed as part of the Lakeshore Road West Improvements Class EA Study.

Online consultation: The town is hosting a Public Information Centre to share the recommended solution for bridge replacement. Information materials will be available on oakville.ca by searching McCraney Creek Bridge EA, from June 16 to 30, 2022. We encourage you to participate by reviewing the information materials and providing any comments on the online comment form by June 30, 2022. You are also invited to attend the Online Presentation on Tuesday, June 21, 2022, at 6 p.m. where there will be an opportunity to ask any questions of the study team and provide comments. Please visit the project web page on oakville.ca for details on how to join the meeting.

Your Input is Important! Following this public consultation, the Class EA study team will review all the comments received and incorporate them into the Project File Report (PFR), as required. A Notice of Completion will be issued once the PFR is finalized, and it will be made available online for review for a minimum 30-day review period. We look forward to hearing from you. If you have any questions or comments, please contact the following Class EA study team members:

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