

Olmstead–Jeffrey Lake Road Rehabilitation Public Information Session

Wednesday Feb. 10th, 2021
via Zoom



Olmstead–Jeffrey Lake Road



Introduction

Welcome to the Public Information Session for the Olmstead-Jeffrey Lake Road Rehabilitation Project

The purpose of this Public Information Session is to:

- Introduce the proposed scope of the project
- Provide residents with the opportunity to discuss and provide comments

Tonight's process will be a presentation by Jp2g than a question and answer period. We ask that you place your questions in the chat function of this Zoom call.



Olmstead–Jeffrey Lake Road

Agenda



1. Project Notifications – Lane Cleroux, Township
2. Project Background – Steve Webster, Jp2g Consultants
3. Analysis & Recommendations – Steve Webster, Jp2g Consultants
4. Optional Road Improvements – Steve Webster, Jp2g Consultants
5. Financial Implications – Steve Webster, Jp2g Consultants
6. Next Steps – Steve Webster, Jp2g Consultants
7. Question & Answer Period



Olmstead-Jeffrey Lake Road

Project Notifications



The screenshot shows the Whitewater Region website. At the top, there is a dark header with the "WHITEWATER REGION" logo on the left and a search bar with a "Search" button on the right. Below the header is a navigation menu with links: HOME, SERVICES, COUNCIL, ECDEV, BUSINESS, PERMITS, COMMUNITY, and PROJECTS. The "PROJECTS" link is highlighted. Below the navigation menu, there is a breadcrumb trail: "Home >> Projects >> Olmstead-Jeffrey Lake Road Rehabilitation". The main content area features a large green banner with the text "Olmstead-Jeffrey Lake Road Rehabilitation". To the right of the banner, there is a yellow box titled "Notices" which contains the text "36 notices" and a link "see all". At the bottom of the page, there is a bell icon and a link that says "Click here to sign up for project notifications".

This project has a dedicated webpage and can be found at www.whitewaterregion.ca/projects. Project updates will be provided including a comment sheet.

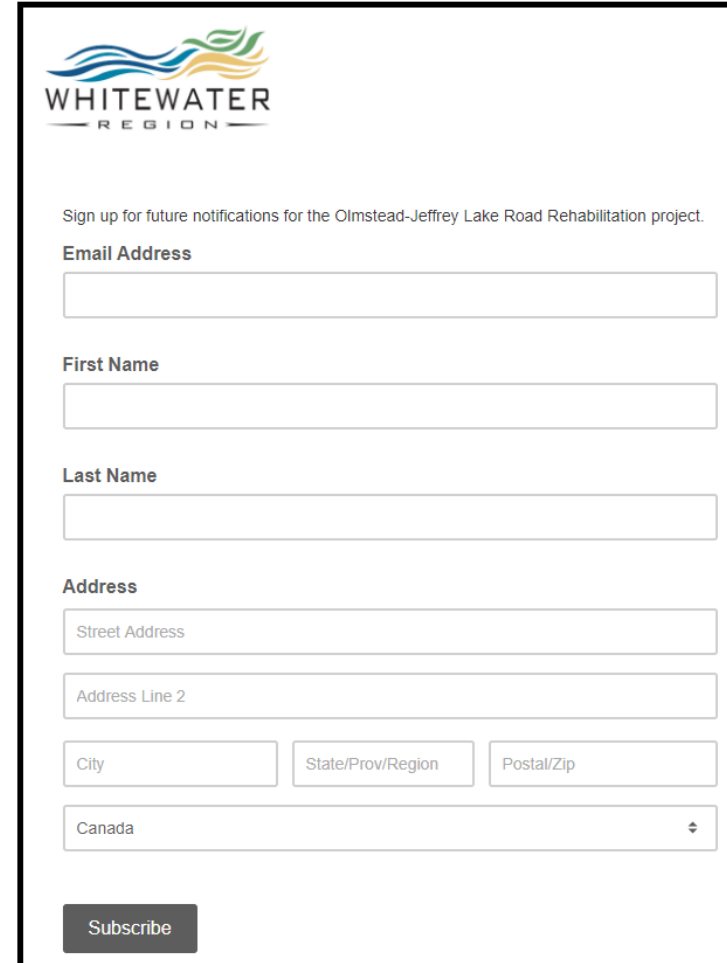


Olmstead–Jeffrey Lake Road

Project Notifications



- All future notifications will be sent by email
- Please sign up on the project webpage for future notifications



The screenshot shows a web form for signing up for future notifications. At the top is the Whitewater Region logo. Below it is the text: "Sign up for future notifications for the Olmstead-Jeffrey Lake Road Rehabilitation project." The form contains the following fields:

- Email Address**: A single text input field.
- First Name**: A single text input field.
- Last Name**: A single text input field.
- Address**: A section containing four input fields:
 - Street Address**: A single text input field.
 - Address Line 2**: A single text input field.
 - City**: A single text input field.
 - State/Prov/Region**: A single text input field.
 - Postal/Zip**: A single text input field.
- Country**: A dropdown menu with "Canada" selected.
- Subscribe**: A dark grey button with white text.



Olmstead–Jeffrey Lake Road

Project Background

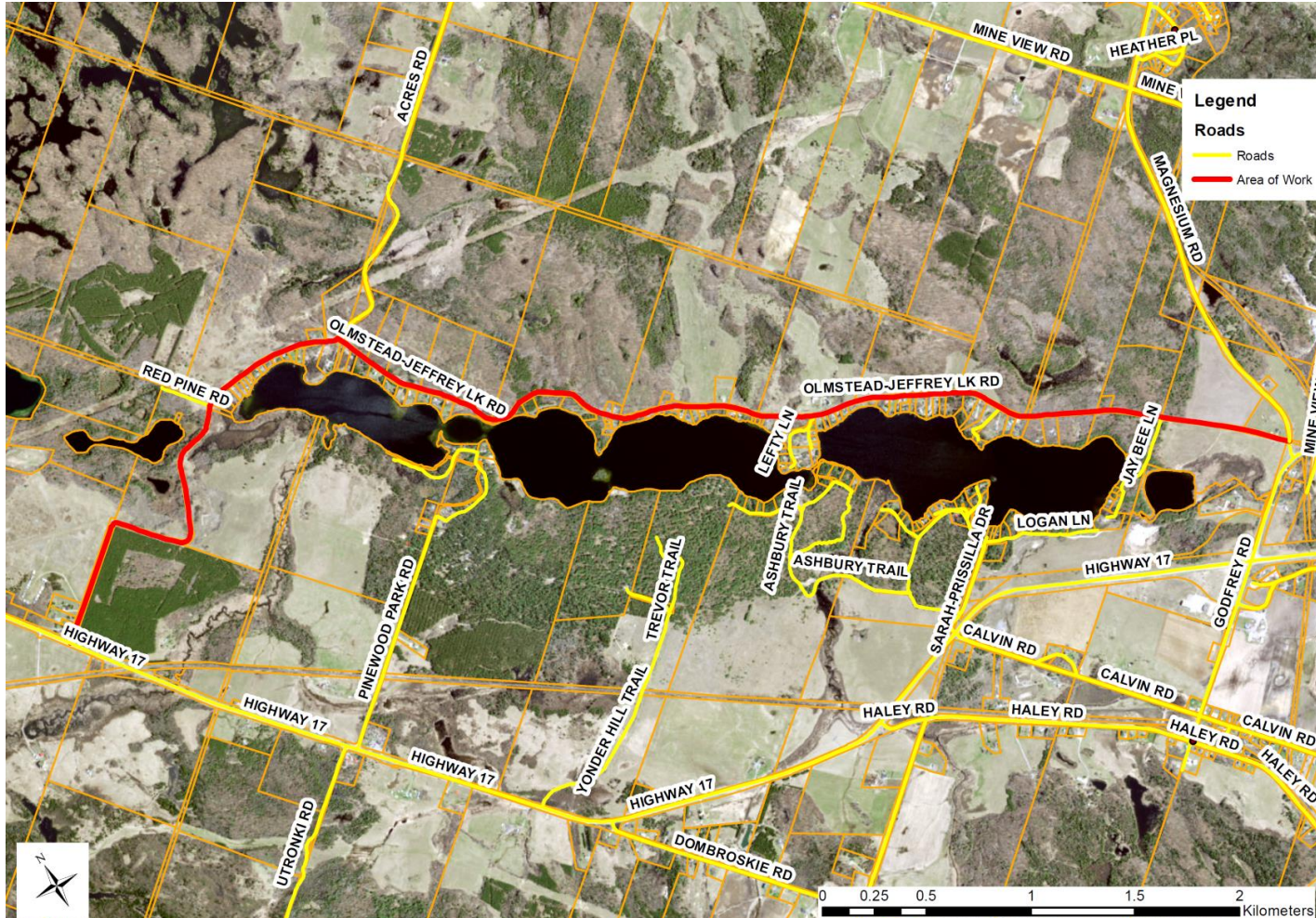


- In 2020, Jp2g was retained by the Township to prepare a design for the reconstruction of Olmstead – Jeffrey Lake Road.
- Project Limits – Highway 17 to Magnesium Road (County Road 48).
- Approximately 7.2 km in length.



Olmstead-Jeffrey Lake Road

Project Background





Olmstead–Jeffrey Lake Road

Background Information



- Roadway classified as low-volume rural road with traffic volumes between 100 to 250 vehicles per day.
- Primarily services year-round and cottage residents.
- Road currently has a double-surface treatment (DST) that is in fair to poor condition.
- Surface drainage is impeded by overgrown granular shoulders and ditches.



Olmstead–Jeffrey Lake Road

Background Information



- Lane widths vary between 2.5m and 3.25m with shoulder widths between 0.5 to 1.5m.
- There is limited sight distances in several areas due to rolling crest and sags; horizontal curves with rock cuts and overgrown vegetation along the side of the road.
- Currently, the posted speeds range from 60 km/h to 80 km/h with additional speed reduction advisory signs at two 90-degree corners.



Olmstead–Jeffrey Lake Road

Analysis & Recommendations



Road Width

- Based on the review of AASHTO's Design Guideline for Very Low-Volume Local Roads it is recommended that the lanes widths be:

60 km/h or less:	3.00m lanes with 1.0m shoulder
80 km/h:	3.25m lanes with 1.0m shoulders
- The narrower lane widths for the reduced posted speed zones areas will aid in reducing speeds as drivers tend to driver slower as the widths of the road narrows.



Olmstead–Jeffrey Lake Road

Analysis & Recommendations



Road Surface

- Basic Design (same as existing) – Road surface is to be pulverized, additional granular material placed and then covered with double surface treatment.
- Upgrade Option – Road surface to be pulverized, additional granular material placed and then covered with a single layer of asphalt surface. It is estimated that this would increase the costs by approx. 13 to 15% as compared to the basic design.
- Typically, an asphalt surface would provide twice the service life as compared to a double surface treatment.



Olmstead–Jeffrey Lake Road

Analysis & Recommendations



Drainage Improvements

- Culverts – It is recommended that all the culverts be replaced with the same size. This includes all entrance culverts.
- Ditching – Localized areas of ditch cleanout is recommended, adjacent to areas of culvert replacement, as well as two areas where ponding water has been observed.
- Brushing – Brushing and some selective tree removal is recommended to aid in cleaning up the ditches. Township is currently undertaking this work, but may require additional removals as part of the contract work.



Olmstead–Jeffrey Lake Road

Analysis & Recommendations



Speed Reductions

- Based on the limited sight distances in several locations, it is recommended that the speed limits within certain sections of the road be reduced to meet the AASTHO guidelines.
- Speed limits would range from 40 km/h to 80 km/h with additional speed advisory signs.



Olmstead–Jeffrey Lake Road

Analysis & Recommendations



Existing Posted Speeds





Olmstead–Jeffrey Lake Road

Analysis & Recommendations



Proposed Posted Speeds





Olmstead–Jeffrey Lake Road

Analysis & Recommendations



Project Phasing Options

Option 1 - Highway 17 to Magnesium Road (County Road 48)

- 7.2 km total length
- Estimated Base Cost (double surface treatment) of \$1,400,000

Option 2 - Highway 17 to Wild Duck Lane

- Reduce project limits by 1.4 km
- Anticipated Base Cost (double surface treatment) savings of 14% (\$200,000)

Option 3 - Highway 17 to Lefty Lane

- Reduce project limits by 2.3 km
- Anticipated Base Cost (double surface treatment) savings of 28% (\$400,000)



Olmstead-Jeffrey Lake Road

Optional Road Improvements



Road Improvement Option #1

- Section of road just east of Acres Road
- Rock removal to improve sightlines around corner
- Slight shifting of the road in order to provide smoother horizontal curve
- No requirement for property acquisition
- \$100,000 premium cost





Olmstead-Jeffrey Lake Road

Optional Road Improvements



TOWNSHIP OF WHITEWATER REGION
OLMSTEAD-JEFFREY LAKE ROAD
ROCK CUT 1 - IMPROVEMENTS
Jp2g REF No. 20-5045A
SCALE - 1:750



Olmstead–Jeffrey Lake Road

Optional Road Improvements



Road Improvement Option #2

- Section of road along edge of lake
- Rock removal and shifting of the road to allow road to be moved away from the edge of bank
- Roadway will remain in right-of-way
- May require permission to grade onto private property
- \$275,000 premium cost





Olmstead-Jeffrey Lake Road

Optional Road Improvements



TOWNSHIP OF WHITEWATER REGION
OLMSTEAD-JEFFREY LAKE ROAD
ROCK CUT 2 RE-ALIGNMENT
Jp2g REF No. 20-5045A
SCALE - 1:1000



Olmstead–Jeffrey Lake Road

Optional Road Improvements



Road Improvement Option #3

- Section of road with combined horizontal and vertical curve
- Road grade to be cut down to improve visibility
- Roadway will remain in right-of-way
- May require permission to grade onto private property
- \$160,000 premium cost





Olmstead–Jeffrey Lake Road

Optional Road Improvements



Road Improvement Option #4

- Acres Road intersection
- Intersection angle is acute resulting in reduced sightlines
- No property acquisition required
- Concerns with gravel washout on Acres Road
- \$95,000 premium cost





Olmstead-Jeffrey Lake Road

Optional Road Improvements





Olmstead–Jeffrey Lake Road

Financial Implications



- The Township's 2021 Capital Budget included for a debenture of \$2,700,000 to complete this project.
- The current cost estimate ranges from \$1,000,000 to \$2,300,000 depending on the project limits, road improvements and surface options selected.



Olmstead–Jeffrey Lake Road

Next Steps



- Council will be reviewing the feedback received during this PIS to aid in their final decision to the following:
 - Limits and improvements that are to be implemented
 - What surface will be placed on the road?
 - Will the construction of the project be phased?
- Currently Council is scheduled to make those decisions on March 3rd.
- Upon Council approval, the design for the project will be completed, with the project tendered this spring and construction to completed during summer/fall.
- If you have comments that you feel Council should consider, then please fill out a comment sheet located on the project page on the Township's website.



Olmstead–Jeffrey Lake Road

Questions



- Tonight, we will only be answering questions related to the roadway and not individual property questions.
- If you have a personal question relating to your property, please fill out a comment sheet and a staff member from either Jp2g or the Township will contact you personally.
- Please type your question in the chat function and a member of the team will read your question and provide an answer.
- For anyone who has phoned in please use *9 to notify us and *6 to toggle mute/unmute.