

## **Appendix A – Detail Design Consultation Materials**

## **Notice of Study Commencement**

# Notice of Study Commencement

## Class Environmental Assessment

### Detail Design for Roundabout Construction at the Intersection of Highway 62 and Ridge/Moira Road (W.P. 4028-05-01)

#### THE PROJECT

The Ontario **Ministry of Transportation (MTO)** has retained **McIntosh Perry Consulting Engineers Ltd.** and **LEA Consulting Ltd. Joint Venture (MP-LEA Joint Venture)** to carry out the Detail Design and Class Environmental Assessment (Class EA) for the construction of a roundabout at the intersection of Highway 62 and Ridge/Moira Road (County Road 8) in West Huntingdon Station in the Municipality of Centre Hastings.

**The purpose of this notification is to provide notification of the commencement of the detail design of the preferred alternative.** The project scope of work includes, but is not limited to:

- Intersection improvements including construction of a roundabout at the Highway 62 and Ridge/Moira Road intersection;
- Minor alignment modifications to Highway 62 and Ridge/Moira Road;
- Improvements to intersection sight distances; and
- Installation of new concrete islands with curb and gutter on roundabout approaches and modification of entrance connections.

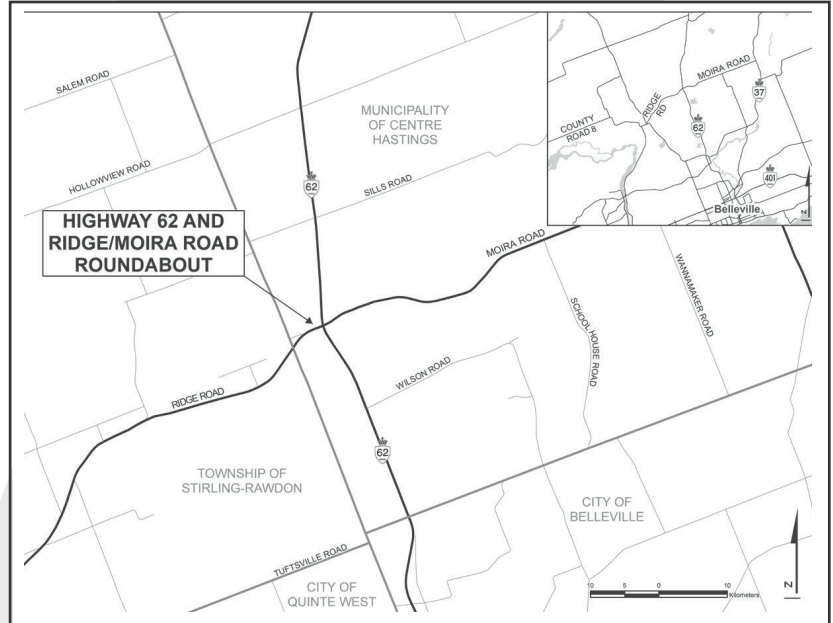
#### THE PROCESS

A Transportation Environmental Study Report (TESR) was prepared in 2014 during preliminary design which evaluated a number of design alternatives and selected a preferred design alternative for long term improvements at the intersection.

This Detail Design is following the approved planning process for a Group "B" project under the *Class Environmental Assessment for Provincial Transportation Facilities (2000)*, with opportunity for public input throughout. Public consultation will continue throughout the study, which will be regularly updated on the project website: [www.moiraroundabout.ca](http://www.moiraroundabout.ca)

A Public Information Centre (PIC) will be held during this study to provide the public with the opportunity to discuss the project and provide input to the Project Team. Notification of the times and location of the PIC will be mailed to those on the consultation contact list and published in 'Belleville Intelligencer' and 'The Community Press' (Belleville and Region).

Near completion of the detail design, a Design and Construction Report (DCR) will be prepared detailing the existing biophysical and socio-economic environment, summary of design features, potential impacts of the undertakings, and required mitigation measures. The DCR



will be made available for a 30-day public review period. At that time, a Notice of DCR Submission will be published in local newspapers to explain the review process and identify locations where the DCR can be reviewed.

#### COMMENTS

We encourage you to visit the Project Website at any time during the study for updates on this project. Any comments or questions can be directed to one of the following MTO or MP project team members by **March 31, 2020:**

**Mr. Bob Boutilier**  
Project Manager  
McIntosh Perry Consulting  
Engineers Ltd.  
1-1329 Gardiners Road  
Kingston, ON K7P 0L8  
tel: 343-344-2638  
toll-free: 1-888-348-8991  
e-mail:  
[b.boutilier@mcintoshperry.com](mailto:b.boutilier@mcintoshperry.com)

**Mr. Dan Brandao, P.Eng.**  
Senior Project Engineer  
Ministry of Transportation –  
Eastern Region  
1355 John Counter Boulevard  
Kingston, ON K7L 5A3  
tel: 613-449-7916  
e-mail: [dan.brandao@ontario.ca](mailto:dan.brandao@ontario.ca)

Information collected will be used in accordance with the *Freedom of Information and Protection of Privacy Act*. With the exception of personal information, all comments become part of the public record. If you have accessibility requirements in order to participate in this project, please contact one of the project team members listed above.

Notice Issued On: March 5, 2020

## **Notice of Online Public Information Centre**

# Notice of Online Public Information Centre

## Detail Design for Roundabout Construction at the Intersection of Highway 62 and Ridge/Moira Road (W.P. 4028-05-01)

### THE PROJECT

The **Ministry of Transportation Ontario (MTO)** has retained **McIntosh Perry Consulting Engineers Ltd.** and **LEA Consulting Ltd. Joint Venture (MP-LEA Joint Venture)** to carry out the Detail Design and Class Environmental Assessment (Class EA) for the construction of a roundabout at the intersection of Highway 62 and Ridge/Moira Road (County Road 8) in West Huntingdon Station in the Municipality of Centre Hastings.

The project scope of work includes, but is not limited to:

- Intersection improvements including construction of a roundabout at the Highway 62 and Ridge/Moira Road intersection;
- Minor alignment modifications to Highway 62 and Ridge/Moira Road;
- Improvements to intersection sight distances; and
- Installation of new concrete islands with curb and gutter on roundabout approaches and modification of entrance connections.

### THE PROCESS

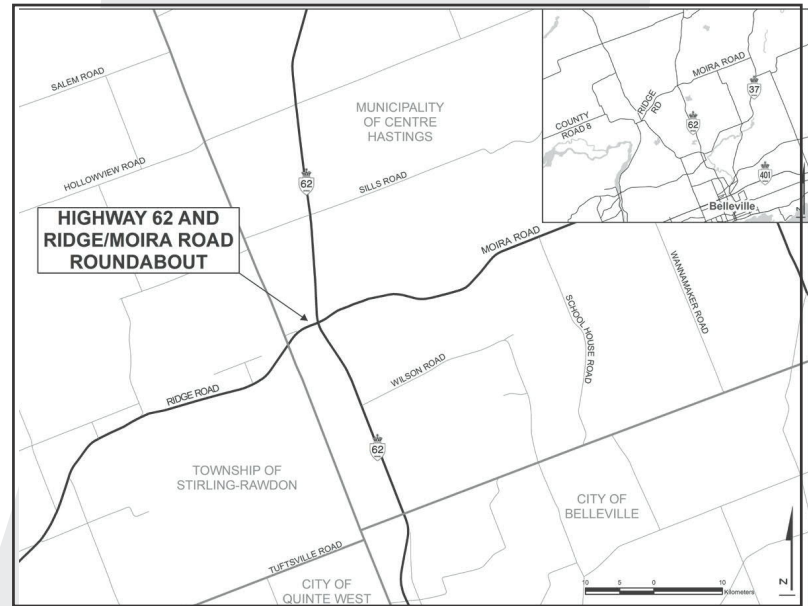
A Transportation Environmental Study Report (TESR) was prepared in 2014 during preliminary design which evaluated a number of design alternatives and selected a preferred design alternative for long term improvements at the intersection.

This Detail Design is following the approved planning process for a Group "B" project under the Class Environmental Assessment for Provincial Transportation Facilities (2000). Near completion of the detail design, a Design and Construction Report (DCR) will be prepared detailing the existing biophysical and socio-economic environment, summary of design features, potential impacts of the undertakings, and required mitigation measures. The DCR will be made available for a 30-day public comment period. At that time, a Notice of DCR Completion will be published in local newspapers to explain the review process.

**The purpose of this letter is to invite interested stakeholders to participate in an Online Public Information Centre (PIC) for this project.** The purpose of the online PIC is to present the study process, outline the existing conditions and findings, and receive input on the proposed design alternatives that have been generated for the study area. Due to COVID-19 restrictions, this PIC material will be available electronically on the project website. The online PIC will be available for a comment period from August 19, 2021 to September 3, 2021 on the project website at [www.moiraroundabout.ca](http://www.moiraroundabout.ca). Hard copies of the PIC materials are also available upon request and can be mailed to your address.

### COMMENTS

All comments received during this period will be reviewed by the project team following the conclusion of the online PIC



and if requested, a response will be provided to you. Comments will be received through the website or can be submitted to the contacts below.

If you would like your names added to the project mailing list, please contact one of the project members or submit a comment through the website.

#### Mr. Bob Boutilier

Project Manager  
McIntosh Perry Consulting Engineers Ltd.  
1-1329 Gardiners Road, Kingston, ON K7P 0L8  
tel: 343-344-2638 or toll free: 1-888-348-8991  
e-mail: [b.boutilier@mcintoshperry.com](mailto:b.boutilier@mcintoshperry.com)

#### Mr. Chris Kardassis

Project Manager  
Ministry of Transportation – Project Delivery East  
1355 John Counter Boulevard, Kingston, ON K7L 5A3  
tel: 613-545-4735 or toll free: 1-800-267-0295 ext.4735  
e-mail: [chris.kardassis@ontario.ca](mailto:chris.kardassis@ontario.ca)

Comments are being collected to assist MTO in meeting the requirements of the *Ontario Environmental Assessment Act*. All information/comments received will be maintained on file for use during the study and may be included in the study documentation. With the exception of personal information, all comments will become part of the public record in accordance with the *Freedom of Information and Protection of Privacy Act*. If you have accessibility requirements in order to participate in this project, please contact one of the project team members listed above.

## **Online Public Information Centre Presentation**

# ONLINE PUBLIC INFORMATION CENTRE (PIC)

Proposed Roundabout Construction at the Intersection of Highway 62 and Ridge/Moira Road  
Ministry of Transportation Class Environmental Assessment  
WP 4028-05-01

Thank you for participating in the Online PIC. We welcome your comments. Information is being collected in accordance with the *Freedom of Information and Protection of Privacy Act*. With the exception of personal information, all comments will become part of the public record. If you have accessibility requirements in order to participate in this project, please contact one of the project team members listed on the last slide.

Please submit any questions or comments [September 3, 2021](#)

[www.moiraroundabout.ca](http://www.moiraroundabout.ca)



McINTOSH PERRY

# PURPOSE

## Roundabout Construction at the Intersection of Highway 62 and Ridge/Moira Road

The Ministry of Transportation (MTO) has retained McIntosh Perry Consulting Engineers Ltd. to undertake this Detail Design and Environmental Assessment study for roundabout construction at the intersection of Highway 62 and Ridge/Moira Road.

The purpose of this Online Public Information Centre (PIC) is to provide stakeholders and the public with an introduction to the study and an opportunity to review and comment on the proposed works, anticipated impacts and proposed mitigation measures.

As part of this PIC, you will have a chance to review the following:

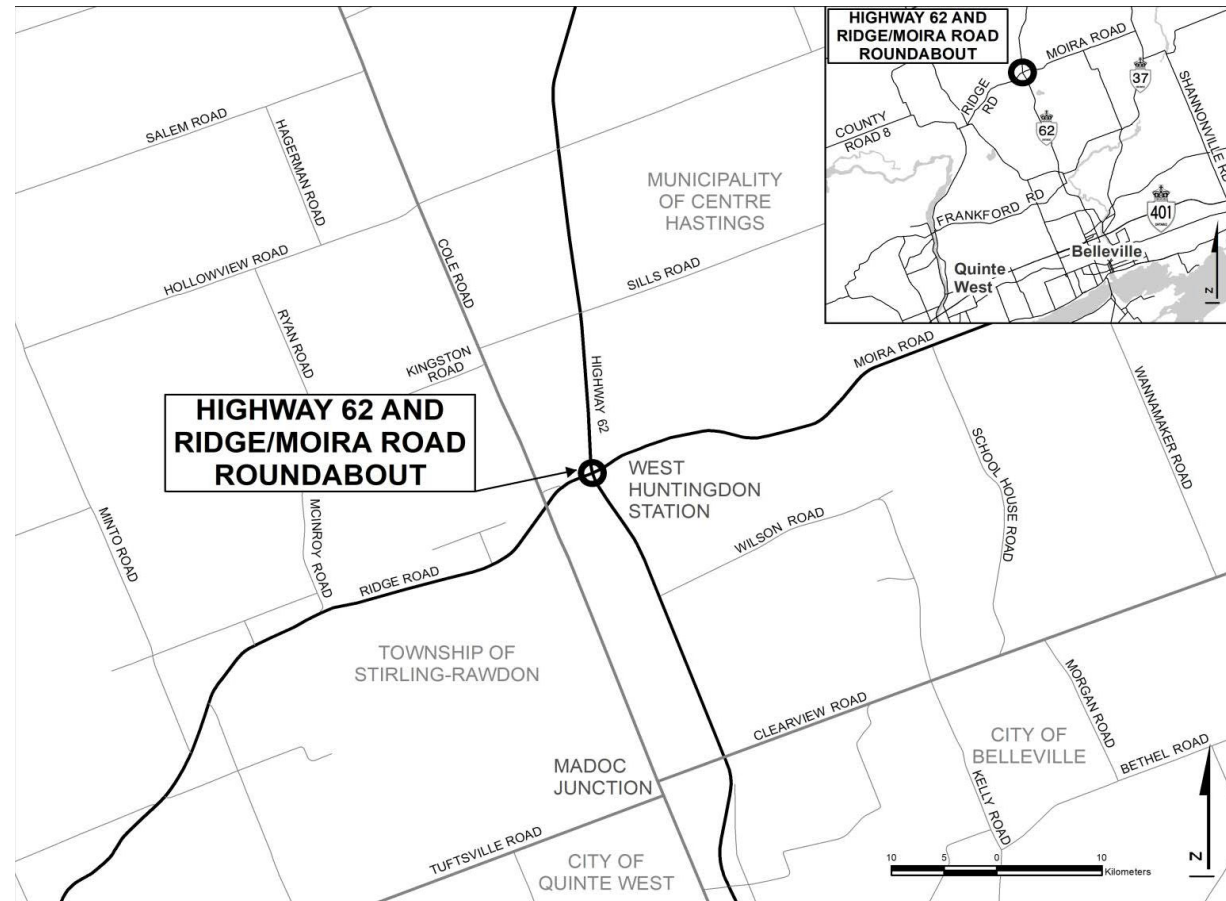
- 1 Project Description
- 2 Class Environmental Assessment Process
- 3 Proposed Works
- 4 Existing Conditions
- 5 Traffic Management
- 6 Impacts and Mitigation
- 7 Consultation
- 8 Next Steps

# PROJECT DESCRIPTION

## Roundabout Construction at the Intersection of Highway 62 and Ridge/Moira Road

The study area is located at the intersection of Highway 62 and Ridge Road/Moira Road (County Road 8), in West Huntingdon Station, in the Municipality of Centre Hastings.

Improvements at this intersection are required in order to solve operational and geometric deficiencies. A roundabout was chosen as it reduces the number of conflict points where collisions can occur, reduces the severity of collisions, as roundabouts control the speed of vehicles entering the intersection, and provides speed consistency through the intersection. Though the roundabout does not provide significant geometric improvements in regards to sight lines, because of the reduced speed and controlled access, it provides an operational improvement relative to existing conditions versus a signalized intersection.



# CLASS ENVIRONMENTAL ASSESSMENT PROCESS

Roundabout Construction at the Intersection of Highway 62 and Ridge/Moira Road

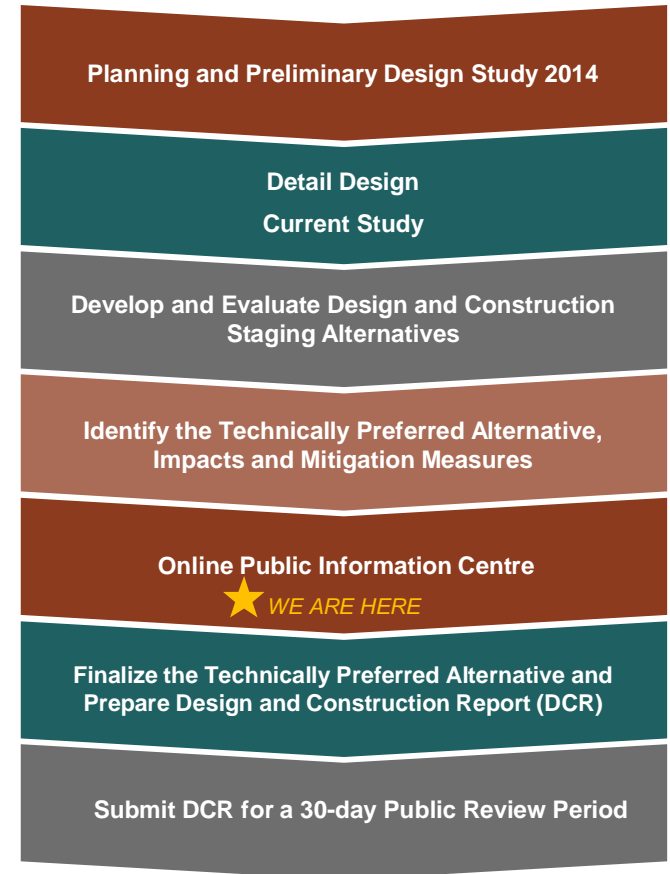
A Transportation Environmental Study Report (TESR) was prepared in 2014 during preliminary design which evaluated a number of design alternatives and selected a preferred design alternative for long term improvements at the intersection.

This Detail Design is being carried out in accordance with the approved environmental planning process for **Group 'B'** projects (major improvements) under the **MTO Class Environmental Assessment (Class EA) for Provincial Transportation Facilities (2000)**. This includes an assessment of potential impacts of the project works on the study area environment and the mitigation measures developed to address environmental concerns.

A **Design and Construction Report (DCR)** will be prepared to summarize the environmental assessment process, including:

- A summary description of the project;
- An outline of the Class EA process;
- A description of significant transportation engineering and environmental issues and how they have been addressed;
- A description of the Technically Preferred Alternative;
- A summary of stakeholder and public consultation; and
- A detailed description of anticipated environmental effects and recommended mitigation measures that will be incorporated into the contract documents.

Upon completion, the DCR will be made available for a 30-day public review and comment period.



# PROPOSED WORKS

## Roundabout Construction at the Intersection of Highway 62 and Ridge/Moira Road

### Scope of Work

The proposed work includes the following:

- Construction of a roundabout at the Highway 62 and Ridge/Moira Road intersection;
- Minor alignment modifications to Highway 62 and Ridge/Moira Road;
- Improvements to intersection sight distances; and
- Installation of new concrete islands with curb and gutter on roundabout approaches and modification of entrance connections.

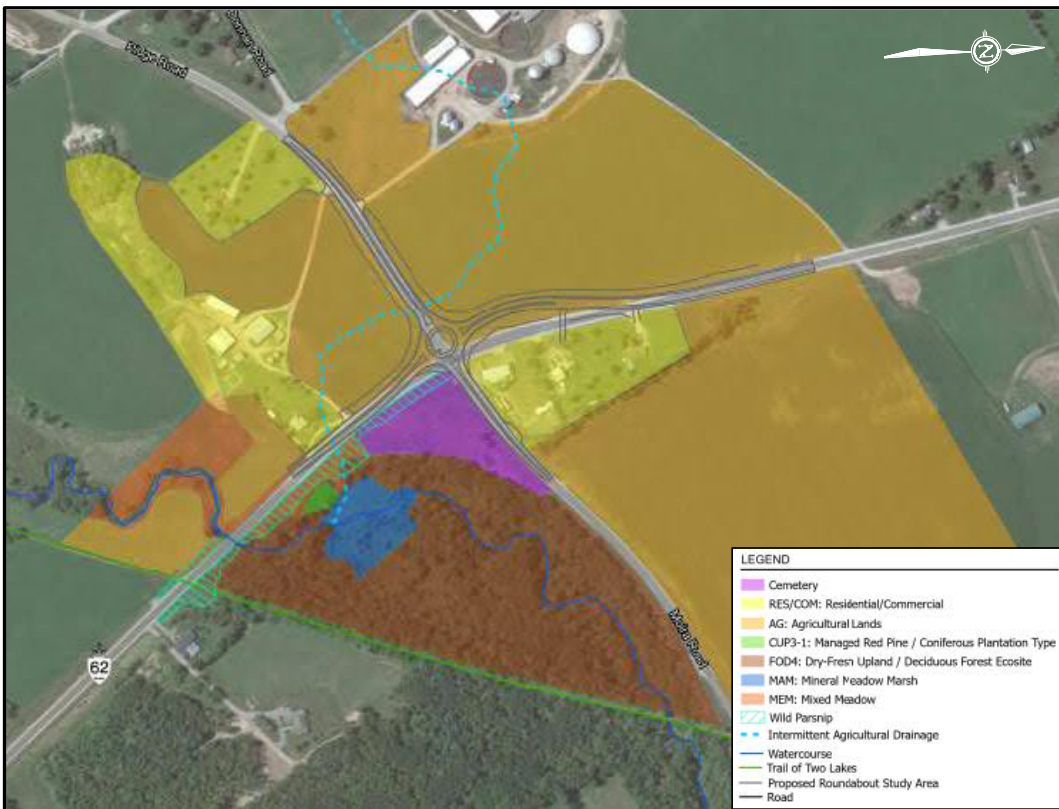
### Duration

- One construction season.



# EXISTING ENVIRONMENTAL CONDITIONS

Roundabout Construction at the Intersection of Highway 62 and Ridge/Moira Road



## Natural Environmental Existing Conditions

### Vegetation

- Vegetation adjacent to the study area is a mix of agricultural crop lands, mixed meadows, and deciduous forest;
- Noxious Wild Parsnip is present along the southeast side of Highway 62 northbound lane; and
- No rare species or vegetation communities were found.

### Wildlife and Species at Risk (SAR)

- The study area contains habitat that supports a variety of wildlife species characteristic of Central Ontario and the Lake Simcoe – Rideau Ecoregion; and
- SAR that are known to be present adjacent and within the highway corridor include Barn Swallow.

# EXISTING ENVIRONMENTAL CONDITIONS

Roundabout Construction at the Intersection of Highway 62 and Ridge/Moira Road

## Social and Cultural Environmental Existing Conditions

### Archaeology

- A Stage 1 Archeology Assessment was completed during the Preliminary Design; and
- A Stage 2, 3 and 4 Archaeological Assessment has been conducted during the Detail Design Study.
  - Approximating 15,000 artifacts were collected including ceramics, glass bottle glass, nails, window glass, and smoking pipe fragments.
  - The curation of the artifacts will be completed by a licensed archaeologist.

### Cultural Heritage

- A Cultural Heritage Resource Assessment and a Built Heritage and Cultural Heritage Landscape Assessment was completed during the Preliminary Design; and
- Two (2) cultural heritage landscapes were identified including Luke's Cemetery (southwest quadrant of the intersection) and a mid-20th century rural Ontario mixed farming cultural landscape (west of Highway 62 on both sides of Ridge/Moira Road).

### Land Use

- The Municipality of Centre Hastings Official Plan designates the lands directly adjacent to the Highway 62 and Ridge/Moira Road intersection as agricultural, rural residential, rural, highway commercial, environmental protection, and community facility (Luke's Cemetery); and
- Six (6) private properties will be impacted by the proposed work. Refer to next slides for proposed property impacts.
  - Four (4) private properties entrances are being closed;
  - Four (4) private properties will receive a new entrance; and
  - Five (5) private properties entrances are being reconstructed.

# EXISTING ENVIRONMENTAL CONDITIONS

Roundabout Construction at the Intersection of Highway 62 and Ridge/Moira Road

## Property Impacts

- All entrances impacted by construction will be reconstructed;
- Properties with entrances to be removed and closed will receive a new entrance;
- Mail Delivery and Garbage Pickup will continue throughout construction; and
- Mail boxes impacted by construction will be reinstalled in their present location or relocated as necessary.



# IMPACTS AND MITIGATION

## Roundabout Construction at the Intersection of Highway 62 and Ridge/Moira Road

### Traffic Operations and Access

*Highway 62, Moira Road, and Ridge Road may be reduced to a single lane of traffic (one direction) during daily construction activities.*

- No work will be conducted during weekends (Saturday and Sunday) or statutory Holidays;
- Construction activities and traffic impacts to occur Monday to Friday only, as required;
- Lane closures will be controlled by flag persons when workers are present and restored to two lanes when workers are not present;
- Access to private properties will be maintained at all times throughout construction;
- All traffic lanes will be opened to the public by the end of each day;
- Nighttime construction work may be required;
- Farm machinery and Amish community traffic will be maintained throughout construction; and
- Additional Horse and Buggy signage will be installed along Highway 62 to alert traffic to possible slow-moving vehicles.

### Noise

*There may be elevated noise levels during construction.*

- The Contractor will be required to maintain equipment in good operating condition to prevent unnecessary noise, and to minimize idling of equipment.

### Social and Cultural

*Archaeological and cultural resources and land use have potential to be disturbed during the construction project.*

- If during construction buried archaeological material or human remains are found the Contractor will be required to stop all work in the area and contact the Ministry of Heritage, Sport, Tourism and Culture Industries;
- Construction monitoring by a licensed archaeologist must be undertaken at the boundaries of Luke's Cemetery to ensure no grave shafts or displaced human remains are disturbed; and
- During construction, encroachment on cultural landscapes will be avoided.

### Vegetation, Wildlife and Species at Risk (SAR)

*Wildlife and vegetation may be disturbed during construction:*

- No clearing of vegetation will take place between May 1 to September 5, to protect nesting migratory birds.
- Exposed soils will be re-vegetated with native species; and
- A Landscaping Plan is being prepared for the study area.

*Barn Swallow and their habitat is known to exist within the study area:*

- If any SAR is encountered in the construction area at any time, the Ministry of Environment, Conservation and Parks will be consulted; and
- No impacts to Barn Swallow habitat are anticipated due to the small footprint of the disturbed area, and the vast available habitat for this species outside of the study area.

# CONSULTATION

## Roundabout Construction at the Intersection of Highway 62 and Ridge/Moira Road

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The following consultation is being conducted as part of this project:

August 2019:

- Notice of Study Commencement letter mailout to stakeholders and the project website went live.

March 2020

- Notice of Study Commencement brochure distributed to select property owners located directly adjacent to the proposed works; and
- Notice of Study Commencement Ontario Government Notice (OGN) was advertised in local newspaper.

Fall 2019 and Spring 2020

- MTO met with local residents and Luke's Cemetery to discuss property impacts.

May 2020

- Stakeholder meeting with the Amish Community Representatives.

August 2021

- Notice of Public Information Centre mailout and newspaper publishing.

August 19, 2021 – September 3, 2021

- Online PIC comment period.

# NEXT STEPS

Roundabout Construction at the Intersection of Highway 62 and Ridge/Moira Road

Following this Online PIC, the next steps will include:

- Reviewing and responding to comments received;
- Refining the Proposed Works;
- Preparing a Design and Construction Report (DCR) for public review; and
- Finalizing the Detail Design and contract package.

Thank you for participating in the Online PIC. We welcome your comments. Information is being collected in accordance with the *Freedom of Information and Protection of Privacy Act*. With the exception of personal information, all comments will become part of the public record. If you have accessibility requirements in order to participate in this project, please contact one of project team members listed on the next slide.

# IF YOU WOULD LIKE MORE INFORMATION, PLEASE CONTACT:

**Mr. Bob Boutilier**  
Consultant Project Manager  
McIntosh Perry Consulting Engineers  
Tel: 343-344-2638 / Toll free: 1-888-348-8991  
Email: [b.boutilier@mcintoshperry.com](mailto:b.boutilier@mcintoshperry.com)

**Mr. Chris Kardassis**  
MTO Project Manager  
Ministry of Transportation – Project Delivery Easy  
Tel 613 545-4735 / Toll free: 1-800-267-0295 ext. 4735  
Email: [chris.kardassis@ontario.ca](mailto:chris.kardassis@ontario.ca)

Please submit any questions or comments to the contacts listed above or [here](#) by  
September 3, 2021

[www.moiraroundabout.ca](http://www.moiraroundabout.ca)



McINTOSH PERRY

## **Consultation Responses**

T. 543-600-0111 | C. 647-666-1110

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From:

Sent: February 20, 2020 1:44 PM

To: Brandao, Dan (MTO) <dan.brandao@ontario.ca>

Cc: Bob Boutilier <b.boutilier@McIntoshPerry.com>; Joe Alves <J.Alves@McIntoshPerry.com>; Pacheco, LLoyd (MTO) <LLoyd.Pacheco@ontario.ca>; Hoover, Roger (MTO) <roger.hoover@ontario.ca>; Pedlar, Mark (MTO) <Mark.Pedlar@ontario.ca>; Baczyk, Steve (MTO) <steve.baczyk@ontario.ca>

Subject: Re: Hwy 62 & Moira/Ridge Rd Roundabout - Affects to Hwy 62 Property

Dan,

We are comfortable with the removal of any trees as required but we would like up ask to keep the wood as we have a wood stove in our home and garage. We can even handled the branches if needed as we enjoy having fires in our backyard fire pit.

Please let me know if you need any other information.

Thank you

Sent from my iPhone

On Feb 20, 2020, at 1:37 PM, Brandao, Dan (MTO) <[Dan.Brandao@ontario.ca](mailto:Dan.Brandao@ontario.ca)> wrote:

Hi ,

Thank you for your reply. Our team will look into how the new entrance can be placed in a more direct route to your garage. The image below looks like it might be a Bell pedestal. We will have Bell relocating several utility items and that might end up being one. Our team will investigate.

A more direct route may involve some tree clearing. We will investigate. If clearing is required, would you be ok with that?

Please let me know if you have any questions or concerns.

Thanks,

**Dan Brandao, P.Eng.** | Senior Project Engineer  
Ministry of Transportation Ontario | Eastern Region | Planning & Design  
**Tel:** 613-449-7916 | **Fax:** 613-540-5106 | **E-Mail:** [dan.brandao@ontario.ca](mailto:dan.brandao@ontario.ca)  
**Please note my telephone number has recently changed.**

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From:  
Sent: February 19, 2020 7:54 PM  
To: Brandao, Dan (MTO) <[Dan.Brandao@ontario.ca](mailto:Dan.Brandao@ontario.ca)>  
Subject: Re: Hwy 62 & Moira/Ridge Rd Roundabout - Affects to      Hwy 62 Property

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Dan,

My apologies for the delay things have been a bit crazy in our lives lately. We would prefer the more direct route on to our property however we are not sure if that is feasible. Here is a photo of our concern. There is a meter box of some sort in the path that we would assume would be used for a more direct route. I am not sure if there was plans to move this or not.

I am out of town for the next few days but can be reached next week to discuss whenever is best for you.

Thank you

<image001.jpg>  
Sent from my iPhone

On Jan 14, 2020, at 12:22 PM, Brandao, Dan (MTO) <[Dan.Brandao@ontario.ca](mailto:Dan.Brandao@ontario.ca)> wrote:

Hi

It was nice speaking with you just now. As discussed, please find attached a drawing showing 2 x entrance options for your property. Please feel free to give me a call to discuss further and if you have any questions or concerns. This drawing is for discussion purposes only and we can work together on providing an entrance that will work for you and your family.

Kind Regards,

**Dan Brandao, P.Eng.** | Senior Project Engineer  
Ministry of Transportation Ontario | Eastern Region | Planning & Design  
**Tel:** 613-545-4741 | **Toll Free:** 1-800-267-0295 ext. 4741 | **Fax:** 613-540-5106  
[dan.brandao@ontario.ca](mailto:dan.brandao@ontario.ca)

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From: Brandao, Dan (MTO)  
Sent: July 5, 2019 2:47 PM  
To:  
Cc: Pacheco, LLOYD (MTO) <[Lloyd.Pacheco@ontario.ca](mailto:Lloyd.Pacheco@ontario.ca)>; Albino, Rafael (MTO) <[Rafael.Albino@ontario.ca](mailto:Rafael.Albino@ontario.ca)>; Waters, Darren (MTO) <[Darren.Waters@ontario.ca](mailto:Darren.Waters@ontario.ca)>; Bob Boutilier <[b.boutilier@McIntoshPerry.com](mailto:b.boutilier@McIntoshPerry.com)>; Baczyk, Steve (MTO) <[Steve.Baczyk@ontario.ca](mailto:Steve.Baczyk@ontario.ca)>; Marc McIntosh <[m.mcintosh@mcintoshperry.com](mailto:m.mcintosh@mcintoshperry.com)>; Jennifer Cavanagh <[j.cavanagh@mcintoshperry.com](mailto:j.cavanagh@mcintoshperry.com)>; Adams, John (MTO) <[John.Adams@ontario.ca](mailto:John.Adams@ontario.ca)>  
Subject: Hwy 62 & Moira/Ridge Rd Roundabout - Affects to Hwy 62 Property

Hi

It was nice speaking with you on the phone today. As discussed, please find attached the PRELIMINARY plans for the new Hwy 62 & Moira/Ridge Rd roundabout which is scheduled for construction in 2021 (pending final approvals and funding). We have recently started the Detail Design phase of this project and some modifications are likely to occur to this plan which I have noted in the red text boxes on the drawing.

We will be consulting with yourself and other affected stakeholders during the detail design and letters indicating study commencement will be sent out later this summer.

One thing I forgot to mention on the phone is that as the new owner of a property with an entrance onto MTO right of way, you will need to apply for an entrance permit at this website: <https://www.hcms.mto.gov.on.ca/>  
The permit is free of cost but is a requirement for each new owner.

Thank you and please let me know if you have questions or concerns.

Kind Regards,

**Dan Brandao, P.Eng.** | Project Engineer  
Ministry of Transportation Ontario | Eastern Region | Planning & Design  
1355 John Counter Boulevard, Postal Bag 4000  
Kingston, ON K7L 5A3  
**Tel:** 613-545-4741 | **Toll Free:** 1-800-267-0295 ext. 4741 | **Fax:** 613-540-5106  
[dan.brandao@ontario.ca](mailto:dan.brandao@ontario.ca)

Sarah Peters

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From: Brandao, Dan (MTO) <Dan.Brandao@ontario.ca>  
Sent: January 14, 2020 3:02 PM  
To: Bob Boutilier  
Cc: Jennifer Cavanagh; Baczyk, Steve (MTO); Molleson, Jennifer (MTO); Brake, Lori (MTO); Waters, Darren (MTO); Pacheco, LLoyd (MTO); Pedlar, Mark (MTO)  
Subject: Owner Meeting, Mail & Garbage Services, Continuation of Design | RE: Hwy 62 at Moira Rd, Roundabout  
Attachments: Hwy 62 Mail & Garbage Service on West Side.

Follow Up Flag: Follow up  
Flag Status: Flagged

Hi Bob,

Thanks for offering. MTO Property and myself will visit the owners. For the time being there will be no need for MP presence at those.

When I was speaking with [redacted] Hwy 62 this morning, she pointed out to me that both [redacted] and neighbour have their mail boxes and garbage pickup services across the highway on the west side (see attached). Please take note for us to remind the municipality of this and ask if they might consider switching their services to the east side of the highway. They probably have a set route so this may not be possible but let's make sure to inquire as the walk for the residents would be a bit further after we push the highway westward, not to mention safer for the residents.

Please let me know if you have any questions or concerns.

Thanks,

**Dan Brandao, P.Eng.** | Senior Project Engineer  
Ministry of Transportation Ontario | Eastern Region | Planning & Design  
Tel: 613-545-4741 | Toll Free: 1-800-267-0295 ext. 4741 | Fax: 613-540-5106  
[dan.brandao@ontario.ca](mailto:dan.brandao@ontario.ca)

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From: Bob Boutilier <b.boutilier@McIntoshPerry.com>  
Sent: January 14, 2020 12:01 PM  
To: Brandao, Dan (MTO) <Dan.Brandao@ontario.ca>  
Subject: RE: Hwy 62 at Moira Rd, Roundabout -

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.  
OK Dan. Let me know if you want us at the owners meeting. Thanks

Sarah Peters

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From: Kevin Hart <khart@centrehastings.com>  
Sent: May 5, 2020 8:06 AM  
To: Jennifer Cavanagh  
Subject: RE: MTO Detailed Design - Roundabout at the intersection of Highway 62 and Ridge/Moira Road- Garbage Pick-up

Follow Up Flag: Follow up  
Flag Status: Completed

We have no problem with that.

Thanks,  
Kevin

---

From: Jennifer Cavanagh [mailto:j.cavanagh@mcintoshperry.com]  
Sent: May-01-20 12:09 PM  
To: Kevin Hart  
Subject: RE: MTO Detailed Design - Roundabout at the intersection of Highway 62 and Ridge/Moira Road- Garbage Pick-up

Hi Kevin,

I chatted with our design team and the location we discussed is within the construction zone. We are therefore wondering if we can move the garbage pick-up further east but still on the south side (outside the construction zone). Please see attached for updated location.

Please let me know your thoughts.

Thank you,  
Jennifer

**Jennifer Cavanagh, P.Eng.**

**Project Engineer**

115 Walgreen Road, R.R. 3, Carp, ON K0A 1L0

T. 613.903.6028 | F. 613.836.3742 | C. 613.222.1107

[j.cavanagh@mcintoshperry.com](mailto:j.cavanagh@mcintoshperry.com) | [www.mcintoshperry.com](http://www.mcintoshperry.com)

**McINTOSH PERRY**

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Confidentiality Notice – If this email wasn't intended for you, please return or delete it. Click [here](#) to read all of the legal language around this concept.



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From: Jennifer Cavanagh  
Sent: April 30, 2020 2:17 PM

To: Kevin Hart <[khart@centrehastings.com](mailto:khart@centrehastings.com)>  
Subject: RE: MTO Detailed Design - Roundabout at the intersection of Highway 62 and Ridge/Moira Road- Garbage Pick-up

Hi Kevin,

That shouldn't be a problem. I will run this by MTO and let you know if there are any concerns.

Thank you for getting back to me,  
Jennifer

---

From: Kevin Hart <[khart@centrehastings.com](mailto:khart@centrehastings.com)>  
Sent: April 30, 2020 2:10 PM  
To: Jennifer Cavanagh <[j.cavanagh@mcintoshperry.com](mailto:j.cavanagh@mcintoshperry.com)>  
Subject: RE: MTO Detailed Design - Roundabout at the intersection of Highway 62 and Ridge/Moira Road- Garbage Pick-up

Jennifer,

Attached is a screen shot of the Construction Zone. Could the garbage could be placed on the south side of Moira Road at the Cemetery Entrance.

Thanks,  
Kevin

---

From: Jennifer Cavanagh [<mailto:j.cavanagh@mcintoshperry.com>]  
Sent: April-30-20 8:29 AM  
To: [khart@centrehastings.com](mailto:khart@centrehastings.com)  
Subject: RE: MTO Detailed Design - Roundabout at the intersection of Highway 62 and Ridge/Moira Road- Garbage Pick-up

Good morning Kevin,

As per our conversation from yesterday, please see attached a plan view of the proposed work showing the road realignment.

I have placed an arrow and description as to the location I think you were describing, as to where the three residences can place their garbage during construction. Can you please confirm this is the correct location?

We will include in the tender that the Contractor is to notify you (Manager of Public Works) 3 weeks prior to construction so the Municipality can advise the three residences of the changes. Please verify if you agree with this approach or would like any adjustments to it. This is the similar approach we are taking with Canada Post.

Please let me know if there is anything else.

Thank you,  
Jennifer

**Jennifer Cavanagh, P.Eng.**

**Project Engineer**

115 Walgreen Road, R.R. 3, Carp, ON K0A 1L0

## McINTOSH PERRY

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Platinum member



---

From: Jennifer Cavanagh  
Sent: April 28, 2020 3:07 PM  
To: [khart@centrehastings.com](mailto:khart@centrehastings.com)  
Subject: RE: MTO Detailed Design - Roundabout at the intersection of Highway 62 and Ridge/Moira Road- Garbage Pick-up

Hi Kevin,

Thank you for getting back to me. Can you also please confirm that the garbage pick-up can also be relocated? Please refer to email below.

If it can be relocated, is there any further information you will need from us or Contractor during construction?

Thank you,  
Jennifer

---

From: Kevin Hart <[khart@centrehastings.com](mailto:khart@centrehastings.com)>  
Sent: April 28, 2020 2:40 PM  
To: Jennifer Cavanagh <[j.cavanagh@mcintoshperry.com](mailto:j.cavanagh@mcintoshperry.com)>  
Subject: RE: MTO Detailed Design - Roundabout at the intersection of Highway 62 and Ridge/Moira Road- Garbage Pick-up

Hi Jennifer,

Yes I did and we do not have any questions or concerns.

Thanks,  
Kevin

---

From: Jennifer Cavanagh [<mailto:j.cavanagh@mcintoshperry.com>]  
Sent: April-28-20 2:05 PM  
To: [khart@centrehastings.com](mailto:khart@centrehastings.com)  
Subject: FW: MTO Detailed Design - Roundabout at the intersection of Highway 62 and Ridge/Moira Road- Garbage Pick-up

Good afternoon Kevin,

I am following up on the below to see if you have had a chance to review our inquiry.

Thank you,  
Jennifer

**Jennifer Cavanagh, P.Eng.**

**Project Engineer**

115 Walgreen Road, R.R. 3, Carp, ON K0A 1L0

T. 613.903.6028 | F. 613.836.3742 | C. 613.222.1107

[j.cavanagh@mcintoshperry.com](mailto:j.cavanagh@mcintoshperry.com) | [www.mcintoshperry.com](http://www.mcintoshperry.com)

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From: Jennifer Cavanagh

Sent: April 15, 2020 12:52 PM

To: [khart@centrehastings.com](mailto:khart@centrehastings.com)

Subject: FW: MTO Detailed Design - Roundabout at the intersection of Highway 62 and Ridge/Moira Road- Garbage Pick-up

Good afternoon Kevin,

In follow-up to the email below I was wondering if we could discuss garbage pick-up during construction. There are three homes north of the intersection of Moira Road/Highway 62 that I believe have curb side pickup on the west side of Highway 62. We are wondering if during construction curb side garbage pick-up could be on the east side of Highway 62 to keep the public out of the construction zone.

Please let me know your thoughts on this, and if you have any questions, comments or concerns.

Thank you,  
Jennifer

---

From: Jennifer Cavanagh

Sent: April 14, 2020 2:47 PM

To: Typhany Choinard <[tchoinard@centrehastings.com](mailto:tchoinard@centrehastings.com)>

Cc: [khart@centrehastings.com](mailto:khart@centrehastings.com)

Subject: RE: MTO Detailed Design - Roundabout at the intersection of Highway 62 and Ridge/Moira Road

Hi Typhany,

Thank you for the updated information. I will update our consultation list appropriately. If yourself or Kevin have any further comments, concerns or questions, please let u know and we would be happy to answer them. If you could let us know by April 24, 2020, that would be appreciated.

Thank you,  
Jennifer

---

From: Typhany Choinard <[tchoinard@centrehastings.com](mailto:tchoinard@centrehastings.com)>

Sent: April 14, 2020 10:04 AM

To: Jennifer Cavanagh <[j.cavanagh@mcintoshperry.com](mailto:j.cavanagh@mcintoshperry.com)>

Cc: [khart@centrehastings.com](mailto:khart@centrehastings.com)

Subject: FW: MTO Detailed Design - Roundabout at the intersection of Highway 62 and Ridge/Moira Road

Can you please remove the email [clerksoffice@centrehastings.com](mailto:clerksoffice@centrehastings.com) and replace with

[tchoinard@centrehastings.com](mailto:tchoinard@centrehastings.com) – CAO/Clerk

[khart@centrehastings.com](mailto:khart@centrehastings.com) – Manager of Public Works

Thank you

---

From: Jennifer Cavanagh <[j.cavanagh@mcintoshperry.com](mailto:j.cavanagh@mcintoshperry.com)>

Sent: April 13, 2020 8:43 AM

To: [rtaylor@centrehastings.com](mailto:rtaylor@centrehastings.com); [clerksoffice@centrehastings.com](mailto:clerksoffice@centrehastings.com); [pinej@hastingscounty.com](mailto:pinej@hastingscounty.com);

[bradleyc@hastingscounty.com](mailto:bradleyc@hastingscounty.com)

Cc: Brandao, Dan (MTO) <[dan.brandao@ontario.ca](mailto:dan.brandao@ontario.ca)>; Bob Boutilier <[b.boutilier@mcintoshperry.com](mailto:b.boutilier@mcintoshperry.com)>; Baczyk, Steve (MTO) <[steve.baczyk@ontario.ca](mailto:steve.baczyk@ontario.ca)>

Subject: MTO Detailed Design - Roundabout at the intersection of Highway 62 and Ridge/Moira Road

Good morning,

The Ministry of Transportation Ontario (MTO) has retained McIntosh Perry Consulting Engineers Ltd. and LEA Consulting Ltd. Joint Venture (MP-LEA Joint Venture) to carry out the Detailed Design and Class Environmental Assessment (Class EA) for the construction of a roundabout at the intersection of Highway 62 and Ridge/Moira Road (County Road 8) in West Huntingdon Station in the Municipality of Centre Hastings. A Notice of Study Commencement was mailed to each of you and was also published in the local newspapers (please see attached for Notice). We are following up on the letter to see if the Municipality or County have any questions, comments or concerns on the proposed works.

If so, please contact the undersigned or Dan Brandao (MTO Project Manager).

Thank you,  
Jennifer

**Jennifer Cavanagh, P.Eng.**

**Project Engineer**

115 Walgreen Road, R.R. 3, Carp, ON K0A 1L0

T. 613.903.6028 | F. 613.836.3742 | C. 613.222.1107

[j.cavanagh@mcintoshperry.com](mailto:j.cavanagh@mcintoshperry.com) | [www.mcintoshperry.com](http://www.mcintoshperry.com)

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member



Sarah Peters

---

From: MCGRAW, Stephen <stephen.mcgraw@canadapost.postescanada.ca>  
Sent: May 1, 2020 2:06 PM  
To: Jennifer Cavanagh  
Subject: RE: Mail Box Relocation during Construction

Follow Up Flag: Follow up  
Flag Status: Flagged

The boxes need to remain on the same side of the road the currently are today. Install back on same side at the same location but to the new roadway.

Stephen Mcgraw  
Canada Post Delivery Service Officer  
[Stephen.mcgraw@canadapost.ca](mailto:Stephen.mcgraw@canadapost.ca)  
(613)894-9519

---

From: Jennifer Cavanagh [mailto:j.cavanagh@mcintoshperry.com]  
Sent: May-01-20 1:59 PM  
To: MCGRAW, Stephen <stephen.mcgraw@canadapost.postescanada.ca>  
Subject: RE: Mail Box Relocation during Construction

Hi Stephen,

In chatting with our design team it came to my attention that the mail boxes can't be placed back at the exact same locations after construction, as they need to be installed along the new road alignment and driveway entrance locations. I have marked up a map showing the proposed new mail box locations once construction is complete. Can you please review and let me know if there will be any issues or concerns with this?

Thank you,  
Jennifer

**Jennifer Cavanagh, P.Eng.**

**Project Engineer**

115 Walgreen Road, R.R. 3, Carp, ON K0A 1L0

T. 613.903.6028 | F. 613.836.3742 | C. 613.222.1107

[j.cavanagh@mcintoshperry.com](mailto:j.cavanagh@mcintoshperry.com) | [www.mcintoshperry.com](http://www.mcintoshperry.com)

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member



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From: MCGRAW, Stephen <[stephen.mcgraw@canadapost.postescanada.ca](mailto:stephen.mcgraw@canadapost.postescanada.ca)>  
Sent: April 29, 2020 11:55 AM  
To: Jennifer Cavanagh <[j.cavanagh@mcintoshperry.com](mailto:j.cavanagh@mcintoshperry.com)>  
Subject: RE: Mail Box Relocation during Construction

They are to stay on the same side of the road they currently are on today.

Stephen Mcgraw  
Canada Post Delivery Service Officer  
[Stephen.mcgraw@canadapost.ca](mailto:Stephen.mcgraw@canadapost.ca)  
(613)894-9519

---

From: Jennifer Cavanagh [<mailto:j.cavanagh@mcintoshperry.com>]  
Sent: April-29-20 11:52 AM  
To: MCGRAW, Stephen <[stephen.mcgraw@canadapost.postescanada.ca](mailto:stephen.mcgraw@canadapost.postescanada.ca)>  
Subject: RE: Mail Box Relocation during Construction

Hi Stephen,

Thank you for the phone call today. One quick clarification question. The mail boxes are currently placed on the west side of the road, I am assuming they should stay on that side but just outside the construction zone. The arrow on the map looks like its pointing to the east side.

Thank you,  
Jennifer

**Jennifer Cavanagh, P.Eng.**

**Project Engineer**

115 Walgreen Road, R.R. 3, Carp, ON K0A 1L0  
T. 613.903.6028 | F. 613.836.3742 | C. 613.222.1107  
[j.cavanagh@mcintoshperry.com](mailto:j.cavanagh@mcintoshperry.com) | [www.mcintoshperry.com](http://www.mcintoshperry.com)

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Platinum  
member



---

From: MCGRAW, Stephen <[stephen.mcgraw@canadapost.postescanada.ca](mailto:stephen.mcgraw@canadapost.postescanada.ca)>  
Sent: April 29, 2020 11:43 AM  
To: Jennifer Cavanagh <[j.cavanagh@mcintoshperry.com](mailto:j.cavanagh@mcintoshperry.com)>  
Subject: RE: Mail Box Relocation during Construction

Jennifer,

I have attached the location on the plan to move the rural mailboxes temporarily just outside of the construction area. Once road work is completed they are to put install back to the original locations. Please advise a few weeks before work is to begin so we can advise our customers of the changes,

Thank you  
Any questions please feel free to contact me

Stephen McGraw  
Canada Post Delivery Service Officer  
[Stephen.mcgraw@canadapost.ca](mailto:Stephen.mcgraw@canadapost.ca)  
(613)894-9519

---

From: CRANEY-TWOLAN, Corey  
Sent: April-29-20 10:14 AM  
To: MCGRAW, Stephen <[stephen.mcgraw@canadapost.postescanada.ca](mailto:stephen.mcgraw@canadapost.postescanada.ca)>  
Subject: FW: Mail Box Relocation during Construction

Hi Steph  
This one looks to be KOK. I was thinking of asking them to cluster with the closest rmb outside the construction.... Not sure if you have a cmb near by.

Call me when you get this

**Corey Craney-Twolan**  
**613-899-3077**  
DELIVERY PLANNING  
PO BOX 8037 OTTAWA T CSC  
OTTAWA ON K1G 3H6

---

From: Jennifer Cavanagh [<mailto:j.cavanagh@mcintoshperry.com>]  
Sent: April-28-20 1:48 PM  
To: CRANEY-TWOLAN, Corey <[corey.craney-twolan@canadapost.postescanada.ca](mailto:corey.craney-twolan@canadapost.postescanada.ca)>  
Subject: RE: Mail Box Relocation during Construction

Hi Corey,

Thank you for getting back to me. I have attached a plan of the project showing the new road realignment (north of the intersection)

From my notes, I believe the three addresses would be the following, based on the attached map, but hopefully you can confirm these for me:

Please let me know if you need anything else from me.

Thank you  
Jennifer

**Jennifer Cavanagh, P.Eng.**

**Project Engineer**

115 Walgreen Road, R.R. 3, Carp, ON K0A 1L0

T. 613.903.6028 | F. 613.836.3742 | C. 613.222.1107

[j.cavanagh@mcintoshperry.com](mailto:j.cavanagh@mcintoshperry.com) | [www.mcintoshperry.com](http://www.mcintoshperry.com)

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From: CRANEY-TWOLAN, Corey <[corey.craney-twolan@canadapost.postescanada.ca](mailto:corey.craney-twolan@canadapost.postescanada.ca)>

Sent: April 27, 2020 11:00 AM

To: Jennifer Cavanagh <[j.cavanagh@mcintoshperry.com](mailto:j.cavanagh@mcintoshperry.com)>

Subject: RE: Mail Box Relocation during Construction

Hi Jennifer

Thanks for contacting Canada post .

When you have a minute. Could you please send me the impacted addresses? Also, would you have a general PDF illustrating the plan?

Thank you

**Corey Craney-Twolan**

**613-899-3077**

DELIVERY PLANNING

PO BOX 8037 OTTAWA T CSC

OTTAWA ON K1G 3H6

---

From: BEEBE, Cory D.

Sent: April-23-20 3:37 PM

To: CRANEY-TWOLAN, Corey <[corey.craney-twolan@canadapost.postescanada.ca](mailto:corey.craney-twolan@canadapost.postescanada.ca)>

Subject: FW: Mail Box Relocation during Construction

Hi Corey,

We have received a request to relocate three RR Boxes that will be in the construction zone.

I am hoping that you are the right person to assist our customer.  
Please refer to the email highlighted below the details.

Thank you,

Cory Beebe  
Senior Resolution Specialist | Spécialiste en Résolution Principale  
Canada Post | Postes Canada  
Phone | Téléphone : 613-734-1874  
[Cory.Beebe@Canadapost.ca](mailto:Cory.Beebe@Canadapost.ca) | [Cory.Beebe@Postescanada.ca](mailto:Cory.Beebe@Postescanada.ca)



---

From: Jennifer Cavanagh [<mailto:j.cavanagh@mcintoshperry.com>]  
Sent: April-20-20 9:35 AM  
To: GOODINE, Marlea <[marlea.goodine@canadapost.postescanada.ca](mailto:marlea.goodine@canadapost.postescanada.ca)>  
Subject: Mail Box Relocation during Construction

Good morning Marlea,

I was wondering if you could help me out. I am working on an MTO project where a road is going to be realigned in a rural area (Moira Road and Highway 62, County of Hastings) where there are three residential mail boxes that will be in the construction zone (west side of road). I am trying to find a number or contact information for someone at Canada Post that I can talk to about this. We are hoping that during construction (temporary only) the mail boxes can be moved to the east side of the road for mail drop off and pick up.

Do you happen to know who I should be contacting?

Any help is appreciated.

Thank you,  
Jennifer

**Jennifer Cavanagh, P.Eng.**

Project Engineer  
115 Walgreen Road, R.R. 3, Carp, ON K0A 1L0  
T. 613.903.6028 | F. 613.836.3742 | C. 613.222.1107  
[j.cavanagh@mcintoshperry.com](mailto:j.cavanagh@mcintoshperry.com) | [www.mcintoshperry.com](http://www.mcintoshperry.com)

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## Sarah Peters

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**From:** Jennifer Cavanagh  
**Sent:** November 3, 2021 4:30 PM  
**Cc:** Bob Boutilier; Sarah Peters; Kardassis, Chris (MTO)  
**Subject:** Roundabout Construction at the Intersection of Highway 62 and Ridge/Moira Road

Good afternoon,

As you are aware the Ontario Ministry of Transportation is planning to construct a roundabout at the intersection of Highway 62 and Ridge/Moira Road. Through the consultation process, we received comments about the location of mail boxes and garbage/recycling during construction. This email is to inform you that the Project Team has been in contact with both the Canada Post and Manager of Public Works at Centre Hastings.

In regards to the location of mail boxes, Canada Post advised that the mailboxes should be temporarily relocated, for the impacted residents, to immediately outside of the construction area and reinstated once the road work is complete. The Contractor will be required to complete this work, and a provision will be included in the Contract Tender to advise the Contractor to coordinate with Canada Post during construction.

In regards to garbage/recycling pick up, it will be temporarily re-located to the south side of Moira Road, east of the construction zone. There will be a provision in the tender documents that will notify the Contractor to contact the Manager of Public Works three (3) weeks prior to construction, so the Municipality can advise the impacted residents (including yourself) of the temporary change in garbage and recycling pick-ups.

Please let us know if you have any questions.

Regards,  
Jennifer

**Jennifer Cavanagh, P.Eng.**

**Practice Area Lead, Environmental Assessment**

**T.** 613.903.6028 | **F.** 613.836.3742 | **C.** 613.222.1107

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*Turning Possibilities Into Reality*

Sarah Peters

---

From: Brandao, Dan (MTO) <Dan.Brandao@ontario.ca>  
Sent: January 15, 2020 4:24 PM  
To:  
Cc: Bob Boutilier; Jennifer Cavanagh; Baczyk, Steve (MTO); Molleson, Jennifer (MTO); Jason Sharp  
Subject: New Hwy 62 Entrances to Accommodate New Roundabout | Highway 62  
Attachments: 2020.01.15 - New Hwy 62 Entrances.pdf  
  
Follow Up Flag: Flag for follow up  
Flag Status: Flagged

Good day ,

It was nice speaking with you earlier this afternoon. As discussed, please find attached the proposed entrance layouts as a result of the new roundabout and highway 62 realignment.  
Please let me know if you have any questions or concerns regarding the project impacts to your property.

You mentioned on the phone there have been some recent drainage issues along your front lawn. As discussed, I'll await your photos and myself and our team will review to determine what the issue might be.

Thank you for your time and I look forward to hearing from you.

Kind Regards,

**Dan Brandao, P.Eng.** | Senior Project Engineer  
Ministry of Transportation Ontario | Eastern Region | Planning & Design  
1355 John Counter Boulevard, Postal Bag 4000  
Kingston, ON K7L 5A3  
**Tel:** 613-545-4741 | **Toll Free:** 1-800-267-0295 ext. 4741 | **Fax:** 613-540-5106  
[dan.brandao@ontario.ca](mailto:dan.brandao@ontario.ca)

Sarah Peters

---

From: Brandao, Dan (MTO) <Dan.Brandao@ontario.ca>  
Sent: March 13, 2020 4:26 PM  
To:  
Cc: daryl.kramp@pc.ola.org; Sinclair, Nancy (MTO); Molleson, Jennifer (MTO); Bob Boutilier; Jennifer Cavanagh; Baczyk, Steve (MTO)  
Subject: RE: Hwy 62/ Moira rd. roundabout  
  
Follow Up Flag: Follow up  
Flag Status: Flagged

Good day

The reason I cannot disclose the cost of the land acquisition is that under the Freedom of Information and Protection of Privacy Act (FIPPA), we are required to protect the privacy of individual's personal information within government records. In this case, such property related information requested is considered personal information relating to a private land owner. Specifically, personal information includes financial information or transactions relating to the acquisition of property from individuals.

However, what I can say is that the ministry acquires land based on market value and entitlements according to the Expropriations Act.

I would suggest directing your inquiry to the FIPPA office here:

<http://www.mto.gov.on.ca/english/about/feedback/freedom-of-information-feedback.shtml>

You may also choose to mail in your written request accompanied by a \$5.00 cheque or money order made payable to the Minister of Finance to the following address:

Ministry of Transportation  
FOI and Privacy Office  
438 University Ave. 12<sup>th</sup> Floor  
Toronto, ON M5G 2K8

You are welcomed to submit a request for consideration, at which time a determination would be made whether the information would be released. Only the FIPPA office can make a determination of whether the information will remain private and protected or be cleared for release.

Thank you for your interest in the Highway 62 and Moira/Ridge Road roundabout project and please let me know if you have any other questions or concerns.

Kind Regards,

**Dan Brandao, P.Eng.** | Senior Project Engineer

Ministry of Transportation Ontario | Eastern Region | Planning & Design

Tel: 613-449-7916 | Fax: 613-540-5106 | E-Mail: [dan.brandao@ontario.ca](mailto:dan.brandao@ontario.ca)

***Please note my telephone number has recently changed.***

---

From:  
Sent: March 12, 2020 12:31 PM  
To: Brandao, Dan (MTO) <[Dan.Brandao@ontario.ca](mailto:Dan.Brandao@ontario.ca)>; [daryl.kramp@pc.ola.org](mailto:daryl.kramp@pc.ola.org)  
Subject: Fw: Hwy 62/ Moira rd. roundabout

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Good morning Mr. Brandao. I am still wondering as to why you are unable to disclose the cost of the land acquisition for the Moira R./ Hwy 62 roundabout. Perhaps if you would share with me the reason as to why you are not at liberty to disclose that information, I could then move on to other sources like my MPP or the Freedom of information. Why this information is concealed is somewhat of a mystery to me and I'm fascinated as to why we are only at liberty to pay and not at liberty to know. When accessing information that should be deemed public becomes an archeological dig, one can't help but wonder why.

---

From:  
Sent: March 6, 2020 11:19 AM  
To: Brandao, Dan (MTO) <[Dan.Brandao@ontario.ca](mailto:Dan.Brandao@ontario.ca)>  
Subject: Re: Hwy 62/ Moira rd. roundabout

Thank you Mr. Brandao for responding to my inquiry. The TESR was very informative with regards to the process and I can appreciate all the work that has gone into it up to this point. I am still in the process of digesting all the material and it appears to be quite thorough and impressive. I can understand why the budget must be kept under wraps prior to the bidding process, however I am somewhat puzzled as to why you are not at liberty to disclose the cost of the land acquisition. Can you explain to me the reasoning behind this decision? These are after all public funds we're talking about. Why the secrecy?

Regards

---

From: Brandao, Dan (MTO) <[Dan.Brandao@ontario.ca](mailto:Dan.Brandao@ontario.ca)>  
Sent: March 4, 2020 4:40 PM  
To:  
Cc: [b.boutillier@McIntoshPerry.com](mailto:b.boutillier@McIntoshPerry.com) <[b.boutillier@McIntoshPerry.com](mailto:b.boutillier@McIntoshPerry.com)>; Jennifer Cavanagh <[j.cavanagh@mcintoshperry.com](mailto:j.cavanagh@mcintoshperry.com)>; Baczyk, Steve (MTO) <[Steve.Baczyk@ontario.ca](mailto:Steve.Baczyk@ontario.ca)>  
Subject: RE: Hwy 62/ Moira rd. roundabout

Good day

Thank you for your interest in the improvements at the Highway 62 and Moira/Ridge Road intersection.

A preliminary design was conducted in 2014/2015 and an evaluation of alternatives to improve the intersection was conducted. Some of the alternatives did include a signalized intersection. Based on the evaluation, which included factors such as Transportation, Cost, Natural Environment, Socio-Economic Environment, and Cultural Environment, it was established that a roundabout was the best option to take forward to construction.

You can review the selection criteria in more detail by reviewing Chapter 7 of the Transportation Environmental Study Report which was made available to the public in 2015 for comments. You can find the TESR here:

<https://1drv.ms/u/s!AKNdbSI31Lsgo9bdA7VkpKU4RLjcA?e=NPU9tr>

In terms of how much the construction is anticipated to cost, I am not at liberty to disclose that information as the project will be subjected to a bidding process.

MTO did buy private property from consensual sellers to accommodate this project. I am not at liberty to disclose the costs associated with those purchases.

Thank you again for your interest in the improvement of the Highway 62 and Moira/Ridge Road intersection and please let me know if you have any further questions or concerns.

Kind Regards,

**Dan Brandao, P.Eng. | Senior Project Engineer**

Ministry of Transportation Ontario | Eastern Region | Planning & Design

Tel: 613-449-7916 | Fax: 613-540-5106 | E-Mail: [dan.brandao@ontario.ca](mailto:dan.brandao@ontario.ca)

Please note my telephone number has recently changed.

---

From:

Sent: March 4, 2020 2:52 PM

To: [b.boutillier@McIntoshPerry.com](mailto:b.boutillier@McIntoshPerry.com); Brandao, Dan (MTO) <[Dan.Brandao@ontario.ca](mailto:Dan.Brandao@ontario.ca)>

Subject: Hwy 62/ Moira rd. roundabout

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

I wish to be added to the project mailing list in regard to the Hwy 62/ Moira Rd. roundabout project at the following email address.

My questions are with regard to the anticipated cost of the roundabout versus a smart light with road improvements for sight distances. I understand that it will have to go to tender after the environmental clearance so we won't know the exact figures until the tender is awarded, but I'm just looking for a ball park figure for each option? Also, can you tell me how much money is being budgeted for this project and did private land have to be appropriated? If so, how much and at what cost?

Regards

From: Bob Boutilier <b.boutilier@McIntoshPerry.com>  
Sent: March 5, 2020 7:17 AM  
To:  
Cc: Brandao, Dan (MTO) <dan.brandao@ontario.ca>; Joe Alves <J.Alves@McIntoshPerry.com>  
Subject: RE: Highway 62 Concerns

I have forwarded your email to Mr. Dan Brandao, P. Eng. (MTO) for his response. Questions related to other potential projects are best answered by the Ministry of Transportation. Our firm is only involved with the Roundabout project. Thanks for taking the time to express your concerns about traffic safety on Highway 62.

**Bob Boutilier**

**Division Manager, Highway Engineering**

**T.** 343.344.2638 | **F.** 613.542.7583 | **C.** 613.453.0462

---

From:  
Sent: Wednesday, March 4, 2020 9:29 PM  
To: Bob Boutilier <[b.boutilier@McIntoshPerry.com](mailto:b.boutilier@McIntoshPerry.com)>; Brandao, Dan (MTO) <[dan.brandao@ontario.ca](mailto:dan.brandao@ontario.ca)>  
Subject: Highway 62 Concerns

Attention: Mr. Bob Boutilier, Project Manager, McIntosh Perry Consulting Engineers  
Mr. Dan Brandao, Senior Project Engineer, Ministry of Transportation - Eastern Region

References: Environmental Assessment Detail Design for Roundabout Construction at the Intersection of Highway 62 and Ridge/Moira Road Notice of Study

My Concerns as a residential community living at home on \_\_\_\_\_ we moved from \_\_\_\_\_  
I find intersection of both North and South Old Madoc Road on Highway 62 extremely dangerous at night without lights and furthermore there are no turn-off lanes from both north and south bound directions!! I strongly believe this has the legitimate priority than the proposed Roundabout intersection of Highway 62

and Ridge/Moria Road Project! Too often I fear for fatal death from rear ended crash or head-on crash from fast approaching hidden corner road curve!!

I URGE YOU TO CONSIDER THIS SECTION OF NORTH AND SOUTH OLD MADOC/ HIGHWAY 62 VERY SERIOUSLY!!

Best regards,

---

From: Bob Boutilier <b.boutilier@McIntoshPerry.com>

Sent: March 10, 2020 8:55 AM

To:

Cc: Brandao, Dan (MTO) <dan.brandao@ontario.ca>; Joe Alves <J.Alves@McIntoshPerry.com>

Subject: RE: Moira Road Roundabout

Yes, this roundabout will accommodate large trucks and farm equipment. Thanks for taking the time to express your concern and support for traffic safety.

**Bob Boutilier**

**Division Manager, Highway Engineering**

**T.** 343.344.2638 | **F.** 613.542.7583 | **C.** 613.453.0462

From: 'Bob Boutilier'

Sent: Tuesday, March 10, 2020 8:00 AM

To: Bob Boutilier <[b.boutilier@McIntoshPerry.com](mailto:b.boutilier@McIntoshPerry.com)>

Subject: Moira Road Roundabout

Hello,

I think a roundabout in this location is a fantastic idea. It will really improve visibility from Moira road as well as improve traffic flow.

I have one question/concern. I noticed that the roundabout in Trenton at Stockdale Road is a bit small for trucks. They have no choice but to drive on the curbs. Will this one be bigger? The one in Prince Edward County off County Road 1 seems a bit better for trucks/farm equipment.

--

Sarah Peters

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From: Brandao, Dan (MTO) <Dan.Brandao@ontario.ca>  
Sent: October 29, 2019 2:34 PM  
To: Baczyk, Steve (MTO); Jennifer Cavanagh  
Cc: Marc McIntosh  
Subject: FW: Hwy 62 and Ridge/Moira Rd Roundabout class EA - MNRF file 19-HUNT-HAS-EAE-3066

Attachments: ANSI-PancakeHill-ES-CS\_2019.pdf

Follow Up Flag: Follow up  
Flag Status: Flagged

FYI

**Dan Brandao, P.Eng.** | Senior Project Engineer

Ministry of Transportation Ontario | Eastern Region | Planning & Design

**Tel:** 613-545-4741 | **Toll Free:** 1-800-267-0295 ext. 4741 | **Fax:** 613-540-5106

[dan.brandao@ontario.ca](mailto:dan.brandao@ontario.ca)

---

From: Spang, Elizabeth (MNRF) <Elizabeth.Spang@ontario.ca>  
Sent: October 29, 2019 12:22 PM  
To: b.boutilier@mcintoshperry.com  
Cc: Brandao, Dan (MTO) <Dan.Brandao@ontario.ca>  
Subject: Hwy 62 and Ridge/Moira Rd Roundabout class EA - MNRF file 19-HUNT-HAS-EAE-3066

Hello Mr. Boutilier:

MNRF Peterborough District has received your notice dated August 7<sup>th</sup>, 2019 regarding the Hwy 62 and Ridge/Moira Rd Roundabout class EA, located in the Lot 1, Concession 3, Geographic Township of Huntingdon in the Municipality of Centre Hastings. Apologies for the delay in responding. We provide the following information and comments for your consideration:

**General: MNRF Data and Information**

MNRF's natural heritage and natural resources GIS data layers can be obtained through the Ministry's [Land Information Ontario \(LIO\) website](#). You may also view natural heritage information online (e.g., Provincially Significant Wetlands, ANSIs, woodlands, etc.) using the [Natural Heritage Make a Map](#) tool.

We recommend that you use the above-noted sources of information during the review of your project proposal.

**Wetlands**

MNRF does not have any data showing wetlands within 120 metres of the intersection location.

**Areas of Natural and Scientific Interest (ANSIs)**

The intersection is adjacent to the Pancake Hill Provincially Significant Candidate Earth Science ANSI. The site was selected because it contains a good cross-section of many glacial sub-environments including undisturbed high-water glacial Lake Iroquois shoreface bars and spectacular examples of stratification in a

sand and gravel filled valley with text-book examples of meltout and lodgement tills. MNRF has a provincial interest in protecting these provincially significant representative ANSI sites for future education, research and interpretation. Please find attached a checklist outlining additional information about the ANSI features and values. Due to the geological nature of Earth Science ANSIs, activities more than 50 m from the ANSI boundary are not expected to have negative impacts on the ANSI features and functions. MNRF recommends that impacts to the ANSI features and functions be evaluated and mitigated during the project design and implementation.

### **Fish and Fish Habitat**

There is an tributary of Rawdon Creek approximately 60 m to the west of the intersection, crossing under Ridge Road. Rawdon Creek crosses under Hwy 62 approximately 250 metres to the south of the intersection. It is assumed that in-water works will not be required as part of this project so fisheries information is not included. If in-water works are required, please contact our office for this information. Please note that Rawdon Creek is a sensitive coldwater stream known to contain brook trout. Extra care should be taken to protect water quality during construction.

### **Significant Valleylands**

The study area appears to contain valleylands. The identification of significant valleylands is the responsibility of the respective planning authority. As such, we recommend that you contact the local municipality for more information and potential study requirements. In addition, we recommend contacting your local Conservation Authority for any information that may be available.

### **Significant Wildlife Habitat**

The site may contain significant wildlife habitat which typically must be identified during site-specific investigations. Significant wildlife habitat may include features such as: seasonal concentration areas for wildlife species (e.g. snake hibernaculum), rare vegetation communities (e.g. tallgrass prairie), specialized habitats of wildlife (e.g. turtle nesting and over-wintering areas), habitats of species of conservation concern (e.g. Special Concern species as identified on the Species at Risk in Ontario list) and animal movement corridors (e.g. amphibian movement corridors). We refer you to the Significant Wildlife Habitat Technical Guide and the recently approved Ecoregion 6E Criterion Schedule for the identification of Significant Wildlife Habitat (January 2015). The Ecoregion Criterion Schedules and newly approved Significant Wildlife Habitat Mitigation Support Tool (MiST) can be downloaded here: <https://www.ontario.ca/search/natural-heritage-planning-resources-municipal-planning>

### **Species at Risk**

The Ministry of Environment, Conservation and Parks (MECP) has now assumed responsibility for the Endangered Species Act (ESA), including species at risk (SAR) in Ontario. Please contact [SAROntario@ontario.ca](mailto:SAROntario@ontario.ca) to reach the MECP for advice about species at risk and the ESA.

### **Petroleum Wells & Oil, Gas and Salt Resource Act**

There may be petroleum wells within the subject area. Please consult the Ontario Oil, Gas and Salt Resources Library website ([www.ogsrlibrary.com](http://www.ogsrlibrary.com)) for the best known data on any wells recorded by MNRF. Please reference the 'Definitions and Terminology Guide' listed in the publications on the Library website in order to better understand the well information available. Any oil and gas wells in your project area are regulated by the *Oil, Gas and Salt Resource Act*, and the supporting regulations and operating standards. If any unanticipated wells are encountered during development of the project, or if the proponent has questions regarding petroleum operations, the proponent should contact the Petroleum Operations Section at 519-873-4634.

### **General Information Regarding MNRF approvals:**

#### **Lakes and Rivers Improvement Act**

Approval may be required under the *Lakes and Rivers Improvement Act* (LRIA) if you are planning to construct, alter, repair or decommission a dam. If you have any questions regarding the LRIA, please contact the Lands and Waters Technical Specialist at 705-755-3134.

### **Fish and Wildlife Conservation Act**

Please note that you may require a Licence to Collect Fish for Scientific Purposes or Wildlife Scientific Collector's Authorization from our office if you will be doing any fish or wildlife sampling, collection, salvage, or relocation. For more information, please contact Julie Formsmma, Fish and Wildlife Technical Specialist, at 705-755-3296.

### **Other Approvals**

It is the responsibility of the proponent to acquire all other information and necessary approvals from any other municipal, provincial, or federal authority under other legislation.

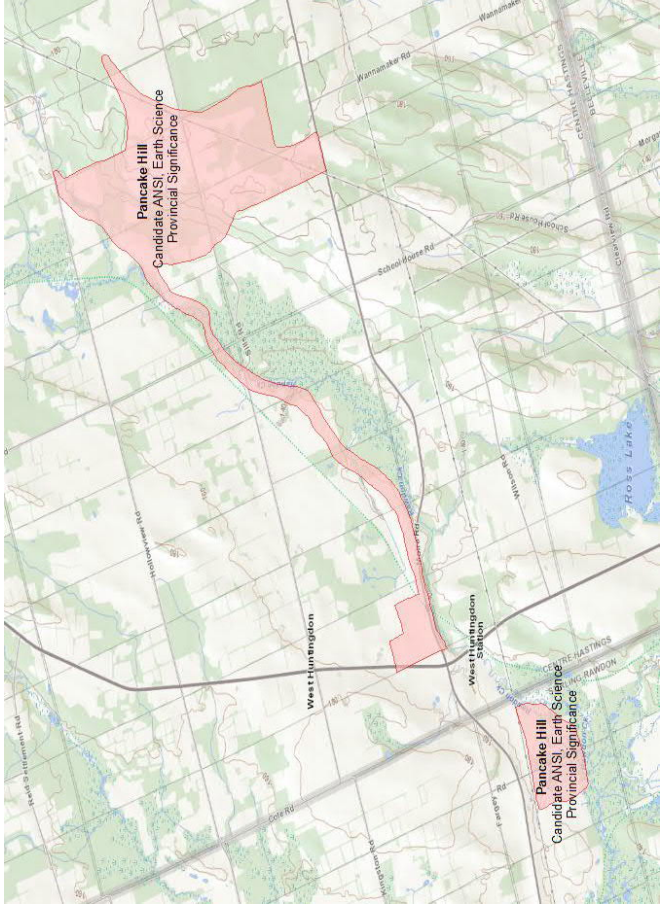
If you have any questions regarding the above comments, don't hesitate to contact me. Please reference the file numbers [**19-HUNT-HAS-EAE-3066**] for any future correspondence.

Sincerely,

Liz Spang, M.Pl

District Planner  
Peterborough District  
Ontario Ministry of Natural Resources and Forestry  
300 Water Street, 1<sup>st</sup> Floor South  
Peterborough, ON K9J 8M5  
Tel: (705) 755-3360  
Fax: (705) 755-3125  
Email: [Elizabeth.Spang@ontario.ca](mailto:Elizabeth.Spang@ontario.ca)

# EARTH SCIENCE DATABASE SITE SUMMARY

<b>Site Name:</b> Pancake Hill	<b>Status:</b> ANSI - Candidate		<b>ANSI Type:</b> Earth Science
<b>Protected Area Type:</b>	<b>Significance:</b> Provincial		<b>Significance:</b> Provincial
<b>Protected Area ID:</b>			
<b>MNRF Region(s):</b> Southern	<b>MNRF District(s):</b> Peterborough	<b>Ontario Park Zone(s):</b> Southeast	<b>Physiographic Region(s):</b> Algonquin Highlands
		<b>EcoDistrict(s):</b>	
<b>Map Name:</b> Tweed		<b>UTM Zone:</b> 18	<b>UTM Northing:</b> 4915523
<b>NTS Number:</b> 31C/6		<b>UTM Easting:</b> 306118	
<b>OBM Number:</b>			
<b>County:</b> Hastings			
<b>Township:</b> Huntingdon			
<b>Lot:</b>			
<b>Concession:</b>			
<b>Area (ha):</b>			
<b>Ownership Type:</b> Private			
<b>Date Report Generated:</b> Tuesday, October 29, 2019			
<b>Source:</b> Earth Science Database 2019			
<p><b>Map:</b></p> 			

**Lithostratigraphy:**

No bedrock exposure at the site.

**Biostratigraphy:**

**Bedrock Geology:**

No exposed bedrock in the ANSI. Bedrock at depth is Upper Ordovician limestones and dolostones of the Sincoe Group (Trenton/Black River Group). Bedrock is flat lying and extensive throughout Ontario. This bedrock was deposited during the Upper Ordovician marine carbonate platform environment. As the Taconic Orogeny continued along the eastern coast of North America, southern Ontario experienced a transgression by a shallow inland sea. This allowed the production and deposition of shallow marine rocks and minor craton-derived clastic rocks. These strata were deposited as a unit named the Sincoe Group.

**Surficial Geology:**

The Pancake Hill site is located on the western side of the upland which extends from Frankford to Thomasburg. A very large gravel pit has been excavated in the central portion of the site. The site is located where two tunnel valleys converge, the Rawdon Creek valley and the Crookston valley. Related to the meltwater which flowed in the valley are the esker ridges and fans in the Crookston and Rawdon Valleys and the large gravel bedforms near West Huntingdon. A general description of the way these forms were produced is given in the Brighton Provincial Wildlife Reserve description.

One of the most interesting points of this site is that the internal structure of the upland can be observed within the gravel pits. In the northern portion of the site, along the margins of the large gravel pit the internal structure consists of interbedded fine sand and silt, diamicton and gravel. In many cases the fine sand beds and sequences are strikingly deformed and convoluted. The sorted sediment which covered this material has been excavated, and as a result an exceptional cross-section of the material within the upland can be observed by strolling along the western margin of the pit.

In the southern portion of the site, another pit has been excavated into the upland. In this area the stratification is spectacular. Sedimentary structures which may be observed include: 1) anti-dunes, 2) flutes, 3) channel scours and fills, 4) many kinds of cross-beds, 5) drop-stones, 6) drag-folds, 7) thrust structures and 8) many kinds of cross-lamination. What distinguishes these features is that the paleocurrent of the depositing current is unidirectional towards the east. In addition, seismic work completed on this

area indicates that the stratification is filling a 30 to 40 m deep channel which has been cut into the upland. Overlying this stratified sequence are small channels, up to 0.25 m thick filled with fine gravel and medium to coarse grained sand. These scours are overlain by greater than 1.5 m of rhythmically bedded clay and till. This layer is capped by massive till with a fissile structure and an imbrication towards the southwest. In a few locations, boulders imbedded in the till project into the rhythmically bedded material. Scours pits similar to those described by Shaw (1983) are found beneath these boulders. Capping the whole sequence is sorted sediment interpreted to be glaciolacustrine.

The glaciolacustrine sediment was deposited during the high-water Lake Iroquois phase. The elevation of these depositional shoreface bars is approximately 213 m asl (700 ft). Within the northern excavated portion of the site very good examples of the internal structure of the shoreface bars may be observed. Undisturbed examples of these bars may be found on the eastern side of the site beneath the hydro lines. These small ridges are very similar to those east of Oak Lake in Sidney Township, approximately 3 km southeast of the Town of Stirling. The shoreline at this site is so well developed because the waves had altered previously deposited glaciofluvial sediment. Sites south of the area which have the same fetch and are at the same elevation do not have well developed areas consisting of shoreface bars because no sorted glaciofluvial sediment was present.

The sequence described above, except for the glaciolacustrine sediment is believed to have been deposited within a valley in the upland areas when the valley below it was filled with water. It is not known whether the valley was eroded by meltwater, or if it existed prior to the period of high meltwater discharge. When the meltwater was able to support the ice mass during the period when the sorted sediment was deposited, no till would have been deposited. However, as the discharge waned, the meltwater porewater pressure would decrease and the meltwater would no longer be able to support the ice overburden pressure. The small channels filled with fine gravel and coarse sand suggest that prior to the reattachment of the glacier, meltwater discharge was channelized at the glacier base in small passages. Till was deposited when the ice reattached to the bed.

The rhythmically bedded clay and diamicton overlying the small channels has been interpreted as being subglacial meltout till. It was deposited when there were still small volumes of meltwater flowing at the contact between the glacier and the underlying glaciofluvial sediment. The water flowing at the contact, sorted the sediment entrained at the ice base, producing the rhythmites.

The till, which has a fissile structure, is imbricated and which gradationally overlies the meltout till has been interpreted as being lodgement till. It was deposited when meltwater no longer flowed at the glacier/bed contact, and deposition was due to direct placement of sediment upon the bed. The gradational contact between the two tills suggests that the glacier gradually came back into union with the bed as the discharge of meltwater waned.

The boulders with the scour pits below them suggest that the sedimentary package described above was deposited systematically and that the ice gradually came into contact with the bed as the meltwater

pore pressure decreased. The boulders which were incorporated in the ice, would extend into the area below the base of the glacier where meltout till was deposited. The extension of boulders into this zone would decrease the cross-sectional area, thereby increasing the velocity of the meltwater. This increase in velocity would result in the scouring of the sediment beneath the boulders.

The eskers which are located at the base of the hill were deposited subsequent to the filling of the valley in the upland. The eskers represent the mature drainage phase of the tunnel valley system, when conduits within the ice could develop. However, at very peak discharge periods, the conduits would not be able carry the full discharge and as describe at Site 3, gravel bedforms would develop. The internal structure of these bedforms is similar to that described by Shaw and Gorrell (1991) with the exception that till overlies a few of the sequences. This indicates that the glacier came back into contact with the bed depositing the till.

Finally, a very thick marl deposit, 6 to 8 m wide and at least 2 m deep, is located on the western side of the upland where the filled channel exits the upland. In this area, artesian springs have been flowing from the sand and gravel filled channel for hundreds of years. A local resident stated that the springs were used by the early Mennonite settlers. Currently the springs are used to water the cattle in the Co-operative pasture located in the area. The marl probably formed due to the precipitation of the calcium flowing from the springs. The thickness of the marl at this location indicates that the springs have been flowing for a considerable time.

#### **Pleistocene Landforms:**

This site represents the features present within the uplands which traverse the study area. Little has been written on this feature because few exposures are present. In addition, not all of the large channels which have been eroded into the upland by the catastrophic flows are evident. They are not perceived because they have been infilled with sediment. These features, and more are evident at Pancake Hill site.

Of all the sites in the area, the Pancake Hill site is probably the most complicated. In addition to the diverse morphological features, many sediment packages can also be observed. These sediment packages could only have been observed because the features have been extensively excavated.

#### **Holocene Landforms:**

#### **Earth Science Features:**

The ANSI is located where two tunnel valleys converge, the Rawdon Creek valley and the Crookston valley. Because of this the site contains a diverse set of

morphological features and many sediment packages.

The site consists of an upland with well exposed internal features due to gravel pit extraction activities. The sand and gravel filled valley which traverses this upland is filled with spectacular examples of stratification and overlain by text-book examples of meltout and lodgement tills. In addition there are undisturbed high-water Lake Iroquois shoreface bars, internal structure of the shoreface bars, eskers and gravel bedforms, and thick sequences of marl.

**Sensitivity:**

Site is sensitive to aggregate extraction which has been extensive in the northern section of the ANSI. Aggregate pits are licenced and further extraction is planned. However, extraction has produced profiles for the site that otherwise would not have been viewed.

**Significance:**

Due to the exposure of the internal stratification of the features on site, the ANSI is considered Provincially Significant.

**Targets Achieved:**

Index	Name/Description
3.33c.58	Peterborough Drumlin Field
3.33e.41	Lake Iroquois
4.32.12	Gorges
4.33.8	Alluvial Fans
4.51.19	Eskers

**Recommendations:**

**General Comments:**

**References:**

Identification of Provincially and Regionally Significant

Glacial Landforms in the Lake Ontario Portion of  
the Eastern Region, Ministry of Natural Resources  
Prepared for: Ministry of Natural Resources  
Eastern Region, Kemptville, Ontario

Open File Report No. 9114

Sarah Peters

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From:  
Sent: April 13, 2020 7:51 PM  
To: Jennifer Cavanagh  
Attachments: text\_0.txt

Follow Up Flag: Flag for follow up  
Flag Status: Completed

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Delivered a copy to \_\_\_\_\_ to-day. Neither \_\_\_\_\_ nor I are a fan of this round about however it is not our decision. Please try to make sure it is big enough so their buggies have a travel lane within it.  
Thanks Tom Deline

---

This awesome pic message was sent from a Virgin Mobile phone.



Sarah Peters

---

From: Pine, Jim <PineJ@hastingscounty.com>  
Sent: April 28, 2020 4:06 PM  
To: Jennifer Cavanagh; Bradley, Cathy  
Subject: RE: MTO Detailed Design - Roundabout at the intersection of Highway 62 and Ridge/Moira Road

Follow Up Flag: Follow up  
Flag Status: Flagged

Hi Jennifer

I don't believe we have any questions or concerns.

Thanks

Jim

---

From: Jennifer Cavanagh [mailto:j.cavanagh@mcintoshperry.com]  
Sent: April-28-20 3:32 PM  
To: Pine, Jim <PineJ@hastingscounty.com>; Bradley, Cathy <BradleyC@hastingscounty.com>  
Subject: FW: MTO Detailed Design - Roundabout at the intersection of Highway 62 and Ridge/Moira Road

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good afternoon,

I am following up on the below to see if the County has any questions, comments or concerns? If you could please let me know by May 1, 2020 that would be great.

Thank you,  
Jennifer

**Jennifer Cavanagh, P.Eng.**

**Project Engineer**

115 Walgreen Road, R.R. 3, Carp, ON K0A 1L0

T. 613.903.6028 | F. 613.836.3742 | C. 613.222.1107

[j.cavanagh@mcintoshperry.com](mailto:j.cavanagh@mcintoshperry.com) | [www.mcintoshperry.com](http://www.mcintoshperry.com)

**McINTOSH PERRY**

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Platinum  
member



---

From: Jennifer Cavanagh <[j.cavanagh@mcintoshperry.com](mailto:j.cavanagh@mcintoshperry.com)>

Sent: April 13, 2020 8:43 AM

To: [rtaylor@centrehastings.com](mailto:rtaylor@centrehastings.com); [clerksoffice@centrehastings.com](mailto:clerksoffice@centrehastings.com); [pinej@hastingscounty.com](mailto:pinej@hastingscounty.com);  
[bradleyc@hastingscounty.com](mailto:bradleyc@hastingscounty.com)

Cc: Brandao, Dan (MTO) <[dan.brandao@ontario.ca](mailto:dan.brandao@ontario.ca)>; Bob Boutilier <[b.boutilier@McIntoshPerry.com](mailto:b.boutilier@McIntoshPerry.com)>; Baczyk, Steve (MTO) <[steve.baczyk@ontario.ca](mailto:steve.baczyk@ontario.ca)>

Subject: MTO Detailed Design - Roundabout at the intersection of Highway 62 and Ridge/Moira Road

Good morning,

The Ministry of Transportation Ontario (MTO) has retained McIntosh Perry Consulting Engineers Ltd. and LEA Consulting Ltd. Joint Venture (MP-LEA Joint Venture) to carry out the Detailed Design and Class Environmental Assessment (Class EA) for the construction of a roundabout at the intersection of Highway 62 and Ridge/Moira Road (County Road 8) in West Huntingdon Station in the Municipality of Centre Hastings. A Notice of Study Commencement was mailed to each of you and was also published in the local newspapers (please see attached for Notice). We are following up on the letter to see if the Municipality or County have any questions, comments or concerns on the proposed works.

If so, please contact the undersigned or Dan Brandao (MTO Project Manager).

Thank you,  
Jennifer

**Jennifer Cavanagh, P.Eng.**

**Project Engineer**

**T.** 613.903.6028 | **F.** 613.836.3742 | **C.** 613.222.1107

Sarah Peters

---

From: Jennifer Cavanagh  
Sent: October 5, 2021 3:18 PM  
To:  
Cc: Bob Boutilier; Kardassis, Chris (MTO); Baczyk, Steve (MTO)  
Subject: FW: Intersection improvements at Highway 62 and Ridge/Moira Road (County Road 8)  
Attachments: Highway 62 Moira Road Roundabout Letter 5Oct2021.pdf;  
HowtoUseARoundabout.pdf

Good afternoon

Thank you for your email in regard to the installation of a roundabout at the intersection of Highway 62 and Ridge/Moira Road. Please find attached a letter to respond to your concern and explain why the Ministry is building a roundabout at this intersection.

Sincerely,  
Jennifer

**Jennifer Cavanagh, P.Eng.**

**Practice Area Lead, Environmental Assessment**

115 Walgreen Road, R.R. 3, Carp, ON K0A 1L0

T. 613.903.6028 | F. 613.836.3742 | C. 613.222.1107

[j.cavanagh@mcintoshperry.com](mailto:j.cavanagh@mcintoshperry.com) | [www.mcintoshperry.com](http://www.mcintoshperry.com)

**McINTOSH PERRY**

Turning Possibilities Into Reality

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Platinum  
member



---

From: Bob Boutilier <b.boutilier@McIntoshPerry.com>

Sent: August 18, 2021 7:01 AM

To:

Cc: Kardassis, Chris (MTO) <chris.kardassis@ontario.ca>; Jennifer Cavanagh <j.cavanagh@mcintoshperry.com>; Joe Alves <J.Alves@McIntoshPerry.com>; Jordan Gunning <J.Gunning@McIntoshPerry.com>

Subject: RE: Intersection improvements at Highway 62 and Ridge/Moira Road (County Road 8)

, thanks for your email regarding the proposed roundabout at Highway 62 and Moira Ridge Road. I have forwarded your note to Mr. Chris Kardassis of the Ministry of Transportation. He and other MTO staff will review your comments and prepare a response. Again, thanks for taking the time to express your concerns about traffic safety at this location.

**Bob Boutilier**

**Assistant Vice President, Highway Engineering**

T. 343.344.2638 | F. 613.542.7583 | C. 613.453.0462

**McINTOSH PERRY**

Turning Possibilities Into Reality

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From:

Sent: Monday, August 16, 2021 3:41 PM

To: Bob Boutilier <[b.boutilier@McIntoshPerry.com](mailto:b.boutilier@McIntoshPerry.com)>

Subject: Intersection improvements at Highway 62 and Ridge/Moira Road (County Road 8)

This is the most ridiculous proposal I have heard in a long-time – This location IS NOT a good location for a round about – there is a lot of volume on Hwy 62 in an 80 KM zone – lots of transport and other large trucks that would have to REALLY slow down the negotiate this idea – in Addition there will be a lot more fuel burned and wear and tear on all vehicles because of braking and acceleration.

THIS WILL BE A HUGE BOTTLE NECK.

Who dreams up these ideas – a total waste of OUR money – there a many other roads and bridges that require attention and repair and this project is frivolous.

What you nee to do here is straighten the road slightly and add left and right turn lanes to both directions of Hwy 62.

I OPPOSE THIS!!!!!!!!!!

Sent from [Mail](#) for Windows

October 5, 2021

Dear \_\_\_\_\_ :

**Re: Detail Design for Roundabout Construction at the Intersection of Highway 62 and Ridge/Moira Road, W.P. 4028-05-01**

Thank you for your email regarding the installation of a roundabout at the intersection of Highway 62 and Ridge/Moira Road. Your concern about the roundabout is noted. The purpose of this letter is to respond to your concerns and explain why the Ministry is building a roundabout at this intersection.

Due to increasing traffic volumes at this intersection, delays are experienced for drivers on both sideroads attempting to proceed across or turn onto Highway 62. Intersection control is required at this location to manage the current and future operational conditions.

During the Preliminary Design stage of the project, the Ministry reviewed different intersection control alternatives, including traffic signals and a roundabout, and determined that a roundabout was the preferred option. The public was consulted throughout the Preliminary Design, and public input was incorporated in the alternative evaluation.

The purpose of installing a roundabout at this location is to improve operational safety for all users of the intersection while maintaining free flow operating conditions for all vehicles, including farm equipment, and horse drawn carriages. The roundabout will facilitate exit operating speeds of approximately 30 to 40 km/h, promoting a freer flow for traffic in all directions. Further, Highway 62 will be shifted slightly to the west to accommodate the roundabout, which will improve the sightlines for motorists on Highway 62 approaching the intersection.

Other advantages of Roundabouts include:

- Fewer points of conflict between vehicles reduces the potential for serious crashes and injury;
- Unlike at a green light at an intersection, vehicles need to slow down to use a roundabout, reducing the likelihood of a serious crash;
- A high volume of vehicles turning left is handled better by a roundabout than by a left-turn signal at a traditional intersection;
- Yielding at the entry of a roundabout takes less time than waiting for a green light at an intersection or for a gap in traffic at a stop sign; and
- Fewer delays reducing fuel consumption and improves air quality by reducing emissions.

One of the concerns identified with intersection control, at this location, is the proximity to the steep grade to the south of the intersection and the concern that a roundabout will slow trucks approaching this grade and cause traffic congestion on the hill. While it is true that the roundabout will slow traffic heading southbound, the roundabout has an advantage over a traffic signal in this respect. Consider a truck that needs to stop at a red signal at this intersection. This truck would be starting from a complete stop as opposed to most of the trucks that leave the roundabout will be starting from a speed of 30 to 40 km/h. Although there is a down grade heading south from the intersection prior to reaching the bottom of the hill, trucks leaving from a stop condition at a traffic signal would reach the bottom of the hill at slower speeds than they would if they are exiting the roundabout.

Another advantage of the roundabout solution over traffic signals at this location is due to the upgrade approaching the intersection from the south, northbound motorists stopped by traffic signals may have difficulty during winter conditions when the roadway becomes slippery. Most vehicles approaching the roundabout will not need to come to a complete stop and the challenge associated with stopping and starting on the steep grade in the winter is diminished.

Please note, that MTO has provided an instructional video on 'How to Use Roundabouts' and a "How to use Roundabout" brochure on the project website. Further, the brochure is being mailed out to all residents prior to the roundabout being opened. The brochure provides guidance on how to navigate the roundabout, including the enhanced signing that will be installed to assist motorists. I have attached a copy for your reference.

Thank you again for your interest in the Ministry's proposed roundabout and for your comments. We appreciate public input, and your comments will be considered by the Ministry.

Sincerely,

**McIntosh Perry Consulting Engineers,**



Bob Boutilier  
Project Manager

Sarah Peters

---

From: Jennifer Cavanagh  
Sent: October 5, 2021 3:21 PM  
To:  
Cc: Bob Boutilier; Kardassis, Chris (MTO); Baczyk, Steve (MTO)  
Subject: FW: Roundabout hwy62 and Ridge Road  
Attachments: Highway 62 Moira Road Roundabout Letter. 5Oct2021.pdf;  
HowtoUseARoundabout.pdf

Good afternoon

Thank you for your email in regard to the installation of a roundabout at the intersection of Highway 62 and Ridge/Moira Road. Please find attached a letter to respond to your concern and explain why the Ministry is building a roundabout at this intersection.

Sincerely,

**Jennifer Cavanagh, P.Eng.**

**Practice Area Lead, Environmental Assessment**

115 Walgreen Road, R.R. 3, Carp, ON K0A 1L0

T. 613.903.6028 | F. 613.836.3742 | C. 613.222.1107

[j.cavanagh@mcintoshperry.com](mailto:j.cavanagh@mcintoshperry.com) | [www.mcintoshperry.com](http://www.mcintoshperry.com)

**McINTOSH PERRY**

Turning Possibilities Into Reality

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Platinum  
member



---

From: Bob Boutilier <b.boutilier@McIntoshPerry.com>

Sent: August 18, 2021 7:02 AM

To:

Cc: Kardassis, Chris (MTO) <chris.kardassis@ontario.ca>; Jennifer Cavanagh <j.cavanagh@mcintoshperry.com>; Joe Alves <J.Alves@McIntoshPerry.com>; Jordan Gunning <J.Gunning@McIntoshPerry.com>

Subject: RE: Roundabout hwy62 and Ridge Road

thanks for your email regarding the proposed roundabout at Highway 62 and Moira/Ridge Road. I have forwarded your note to Mr. Chris Kardassis of the Ministry of Transportation. He and other MTO staff will review your comments and prepare a response. Again, thanks for taking the time to express your concerns about traffic safety at this location.

**Bob Boutilier**

**Assistant Vice President, Highway Engineering**

T. 343.344.2638 | F. 613.542.7583 | C. 613.453.0462

## McINTOSH PERRY

Turning Possibilities Into Reality

-----Original Message-----

From:

Sent: Tuesday, August 17, 2021 7:15 PM

To: Bob Boutilier <[b.boutilier@McIntoshPerry.com](mailto:b.boutilier@McIntoshPerry.com)>

Cc: Kardassis, Chris (MTO) <[chris.kardassis@ontario.ca](mailto:chris.kardassis@ontario.ca)>

Subject: Roundabout hwy62 and Ridge Road

When I first heard of this project a couple of months ago I thought are these guys crazy? A roundabout on a highway? The folks in these parts are not too familiar with roundabouts. If you want proof just set up for an hour where a roundabout was installed on a back street (50 mph. ) in Belleville at the intersection of Maitland Road and Farnham Road. I have almost had two accidents there due to aggressive driving and people not knowing how to handle such a situation. Now you are going to put it on a highway where you have the same aggressive drivers and transport trucks many of which have tandems at 80 kph ? Remember aggressive drivers speed. This is a very very bad idea.

Sent from my iPad Mini

October 5, 2021

Dear \_\_\_\_\_ :

**Re: Detail Design for Roundabout Construction at the Intersection of Highway 62 and Ridge/Moira Road, W.P. 4028-05-01**

Thank you for your email regarding the installation of a roundabout at the intersection of Highway 62 and Ridge/Moira Road. Your concern about the roundabout is noted. The purpose of this letter is to respond to your concerns and explain why the Ministry is building a roundabout at this intersection.

Due to increasing traffic volumes at this intersection, delays are experienced for drivers on both sideroads attempting to proceed across or turn onto Highway 62. Intersection control is required at this location to manage the current and future operational conditions.

During the Preliminary Design stage of the project, the Ministry reviewed different intersection control alternatives, including traffic signals and a roundabout, and determined that a roundabout was the preferred option. The public was consulted throughout the Preliminary Design, and public input was incorporated in the alternative evaluation.

The purpose of installing a roundabout at this location is to improve operational safety for all users of the intersection while maintaining free flow operating conditions for all vehicles, including farm equipment, and horse drawn carriages. The roundabout will facilitate exit operating speeds of approximately 30 to 40 km/h, promoting a freer flow for traffic in all directions. Further, Highway 62 will be shifted slightly to the west to accommodate the roundabout, which will improve the sightlines for motorists on Highway 62 approaching the intersection.

Other advantages of Roundabouts include:

- Fewer points of conflict between vehicles reduces the potential for serious crashes and injury;
- Unlike at a green light at an intersection, vehicles need to slow down to use a roundabout, reducing the likelihood of a serious crash;
- A high volume of vehicles turning left is handled better by a roundabout than by a left-turn signal at a traditional intersection;
- Yielding at the entry of a roundabout takes less time than waiting for a green light at an intersection or for a gap in traffic at a stop sign; and
- Fewer delays reducing fuel consumption and improves air quality by reducing emissions.

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Another advantage of the roundabout solution over traffic signals at this location is due to the upgrade approaching the intersection from the south, northbound motorists stopped by traffic signals may have difficulty during winter conditions when the roadway becomes slippery. Most vehicles approaching the roundabout will not need to come to a complete stop and the challenge associated with stopping and starting on the steep grade in the winter is diminished.

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Thank you again for your interest in the Ministry's proposed roundabout and for your comments. We appreciate public input, and your comments will be considered by the Ministry.

Sincerely,

**McIntosh Perry Consulting Engineers,**



Bob Boutilier  
Project Manager

Sarah Peters

---

From: Jennifer Cavanagh  
Sent: October 5, 2021 3:22 PM  
To:  
Cc: Bob Boutilier; Kardassis, Chris (MTO); Baczyk, Steve (MTO)  
Subject: FW: HWY 62 & Ridge/Moira Rd (W.P. 4028-05-01)  
Attachments: Highway62MoiraRoadRoundaboutLetter 5Oct2021.pdf;  
HowtoUseaRoundabout.pdf

Good afternoon

Thank you for your email in regard to the installation of a roundabout at the intersection of Highway 62 and Ridge/Moira Road. Please find attached a letter to respond to your concern and explain why the Ministry is building a roundabout at this intersection.

Sincerely,

**Jennifer Cavanagh, P.Eng.**

**Practice Area Lead, Environmental Assessment**

115 Walgreen Road, R.R. 3, Carp, ON K0A 1L0

T. 613.903.6028 | F. 613.836.3742 | C. 613.222.1107

[j.cavanagh@mcintoshperry.com](mailto:j.cavanagh@mcintoshperry.com) | [www.mcintoshperry.com](http://www.mcintoshperry.com)

**McINTOSH PERRY**

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Platinum  
member



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From: Bob Boutilier <b.boutilier@McIntoshPerry.com>  
Sent: August 23, 2021 9:50 AM  
To:  
Cc: Kardassis, Chris (MTO) <chris.kardassis@ontario.ca>; Jennifer Cavanagh <j.cavanagh@mcintoshperry.com>  
Subject: RE: HWY 62 & Ridge/Moira Rd (W.P. 4028-05-01)

thanks for your email regarding the proposed roundabout at Highway 62 and Moira Ridge Road. I have forwarded your note to Mr. Chris Kardassis of the Ministry of Transportation. He and other MTO staff will review your comments and prepare a response. Again, thanks for taking the time to express your concerns about traffic safety at this location.

**Bob Boutilier**

**Assistant Vice President, Highway Engineering**

T. 343.344.2638 | F. 613.542.7583 | C. 613.453.0462

# McINTOSH PERRY

Turning Possibilities Into Reality

---

From:

Sent: Thursday, August 19, 2021 6:55 PM

To: Bob Boutilier <[b.boutilier@McIntoshPerry.com](mailto:b.boutilier@McIntoshPerry.com)>; Kardassis, Chris (MTO) <[chris.kardassis@ontario.ca](mailto:chris.kardassis@ontario.ca)>

Subject: HWY 62 & Ridge/Moira Rd (W.P. 4028-05-01)

To whom it may concern,

Being from I certainly know the benefits of a roundabout. I also live within a reasonable distance to the intersection and use the road regularly at various times of the day where this proposed roundabout is being considered. I can not fathom as to why anyone could see a roundabout as beneficial at this intersection. The money should be used for a more meaningful project. Perhaps put the money into training motorists how to use and navigate a roundabout as 85% of road users do not know how to use a roundabout heaven forbid use an indicator acknowledging which exit they intend to take!

Put the money to better use elsewhere.

October 5, 2021

Dear

**Re: Detail Design for Roundabout Construction at the Intersection of Highway 62 and Ridge/Moira Road, W.P. 4028-05-01**

Thank you for your email regarding the installation of a roundabout at the intersection of Highway 62 and Ridge/Moira Road. Your concern about the roundabout is noted. The purpose of this letter is to respond to your concern and explain why the Ministry is building a roundabout at this intersection.

Due to increasing traffic volumes at this intersection, delays are experienced for drivers on both sideroads attempting to proceed across or turn onto Highway 62. Intersection control is required at this location to manage the current and future operational conditions.

During the Preliminary Design stage of the project, the Ministry reviewed different intersection control alternatives, including traffic signals and a roundabout, and determined that a roundabout was the preferred option. The public was consulted throughout the Preliminary Design, and public input was incorporated in the alternative evaluation.

The purpose of installing a roundabout at this location is to improve operational safety for all users of the intersection while maintaining free flow operating conditions for all vehicles, including farm equipment, and horse drawn carriages. The roundabout will facilitate exit operating speeds of approximately 30 to 40 km/h, promoting a freer flow for traffic in all directions. Further, Highway 62 will be shifted slightly to the west to accommodate the roundabout, which will improve the sightlines for motorists on Highway 62 approaching the intersection.

Other advantages of Roundabouts include:

- Fewer points of conflict between vehicles reduces the potential for serious crashes and injury;
- Unlike at a green light at an intersection, vehicles need to slow down to use a roundabout, reducing the likelihood of a serious crash;
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Thank you again for your interest in the Ministry's proposed roundabout and for your comments. We appreciate public input, and your comments will be considered by the Ministry.

Sincerely,

**McIntosh Perry Consulting Engineers,**



Bob Boutilier  
Project Manager

Sarah Peters

---

From: Jennifer Cavanagh  
Sent: October 5, 2021 3:24 PM  
To:  
Cc: Bob Boutilier; Kardassis, Chris (MTO); Baczyk, Steve (MTO)  
Subject: FW: Roundabout at 62 & Ridge Rd.  
Attachments: Highway62MoiraRoadRoundaboutLetter 5Oct2021.doc.pdf;  
HowtoUseRoundabout.pdf

Good afternoon

Thank you for your email in regard to the installation of a roundabout at the intersection of Highway 62 and Ridge/Moira Road. Please find attached a letter to respond to your concern and explain why the Ministry is building a roundabout at this intersection.

Sincerely,

**Jennifer Cavanagh, P.Eng.**

**Practice Area Lead, Environmental Assessment**

**T.** 613.903.6028 | **F.** 613.836.3742 | **C.** 613.222.1107

**McINTOSH PERRY**

Turning Possibilities Into Reality

---

From: Bob Boutilier <b.boutilier@McIntoshPerry.com>  
Sent: August 23, 2021 9:51 AM  
To:  
Cc: Kardassis, Chris (MTO) <chris.kardassis@ontario.ca>; Jennifer Cavanagh <j.cavanagh@mcintoshperry.com>  
Subject: RE: Roundabout at 62 & Ridge Rd.

thanks for your email regarding the proposed roundabout at Highway 62 and Moira Ridge Road. I have forwarded your note to Mr. Chris Kardassis of the Ministry of Transportation. He and other MTO staff will review your comments and prepare a response. Again, thanks for taking the time to express your concerns about traffic safety at this location.

**Bob Boutilier**

**Assistant Vice President, Highway Engineering**

**T.** 343.344.2638 | **F.** 613.542.7583 | **C.** 613.453.0462

**McINTOSH PERRY**

Turning Possibilities Into Reality

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From: Susan Kehoe <suekk1876@yahoo.com>  
Sent: Sunday, August 22, 2021 8:44 AM  
To: Bob Boutilier <b.boutilier@McIntoshPerry.com>  
Subject: re: Roundabout at 62 & Ridge Rd.

October 5, 2021

Dear Ms.

**Re: Detail Design for Roundabout Construction at the Intersection of Highway 62 and Ridge/Moira Road, W.P. 4028-05-01**

Thank you for your email regarding the installation of a roundabout at the intersection of Highway 62 and Ridge/Moira Road. Your concern about the roundabout is noted. The purpose of this letter is to respond to your concern and explain why the Ministry is building a roundabout at this intersection.

Due to increasing traffic volumes at this intersection, delays are experienced for drivers on both sideroads attempting to proceed across or turn onto Highway 62. Intersection control is required at this location to manage the current and future operational conditions.

During the Preliminary Design stage of the project, the Ministry reviewed different intersection control alternatives, including traffic signals and a roundabout, and determined that a roundabout was the preferred option. The public was consulted throughout the Preliminary Design, and public input was incorporated in the alternative evaluation.

The purpose of installing a roundabout at this location is to improve operational safety for all users of the intersection while maintaining free flow operating conditions for all vehicles, including farm equipment, and horse drawn carriages. The roundabout will facilitate exit operating speeds of approximately 30 to 40 km/h, promoting a freer flow for traffic in all directions. Further, Highway 62 will be shifted slightly to the west to accommodate the roundabout, which will improve the sightlines for motorists on Highway 62 approaching the intersection.

Other advantages of Roundabouts include:

- Fewer points of conflict between vehicles reduces the potential for serious crashes and injury;
- Unlike at a green light at an intersection, vehicles need to slow down to use a roundabout, reducing the likelihood of a serious crash;
- A high volume of vehicles turning left is handled better by a roundabout than by a left-turn signal at a traditional intersection;
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Another advantage of the roundabout solution over traffic signals at this location is due to the upgrade approaching the intersection from the south, northbound motorists stopped by traffic signals may have difficulty during winter conditions when the roadway becomes slippery. Most vehicles approaching the roundabout will not need to come to a complete stop and the challenge associated with stopping and starting on the steep grade in the winter is diminished.

Please note, that MTO has provided an instructional video on 'How to Use Roundabouts' and a "How to use Roundabout" brochure on the project website. Further, the brochure is being mailed out to all residents prior to the roundabout being opened. The brochure provides guidance on how to navigate the roundabout, including the enhanced signing that will be installed to assist motorists. I have attached a copy for your reference.

Thank you again for your interest in the Ministry's proposed roundabout and for your comments. We appreciate public input, and your comments will be considered by the Ministry.

Sincerely,

**McIntosh Perry Consulting Engineers,**



Bob Boutilier  
Project Manager

Sarah Peters

---

From: Jennifer Cavanagh  
Sent: October 5, 2021 3:25 PM  
To:  
Cc: Bob Boutilier; Kardassis, Chris (MTO); Baczyk, Steve (MTO)  
Subject: FW: Intersection improvements at Highway 62 and Ridge/Moira Road (County Road 8)  
Attachments: Highway62MoiraRoadRoundaboutLetter. 5Oct2021.doc.pdf;  
HowtoUseaRoundabout.pdf

Good afternoon

Thank you for your email in regard to the installation of a roundabout at the intersection of Highway 62 and Ridge/Moira Road. Please find attached a letter to respond to your concern and explain why the Ministry is building a roundabout at this intersection.

Sincerely,

**Jennifer Cavanagh, P.Eng.**

**Practice Area Lead, Environmental Assessment**

115 Walgreen Road, R.R. 3, Carp, ON K0A 1L0

T. 613.903.6028 | F. 613.836.3742 | C. 613.222.1107

[j.cavanagh@mcintoshperry.com](mailto:j.cavanagh@mcintoshperry.com) | [www.mcintoshperry.com](http://www.mcintoshperry.com)

**McINTOSH PERRY**

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member



---

From: Bob Boutilier <b.boutilier@McIntoshPerry.com>  
Sent: August 23, 2021 9:52 AM  
To:  
Cc: Kardassis, Chris (MTO) <chris.kardassis@ontario.ca>; Jennifer Cavanagh <j.cavanagh@mcintoshperry.com>  
Subject: RE: Intersection improvements at Highway 62 and Ridge/Moira Road (County Road 8)

thanks for your email regarding the proposed roundabout at Highway 62 and Moira Ridge Road. I have forwarded your note to Mr. Chris Kardassis of the Ministry of Transportation. He and other MTO staff will review your comments and prepare a response. Again, thanks for taking the time to express your concerns about traffic safety at this location.

**Bob Boutilier**

**Assistant Vice President, Highway Engineering**

T. 343.344.2638 | F. 613.542.7583 | C. 613.453.0462

From:

Sent: Sunday, August 22, 2021 6:29 PM

To: Kardassis, Chris (MTO) <[chris.kardassis@ontario.ca](mailto:chris.kardassis@ontario.ca)>; Bob Boutilier <[b.boutilier@McIntoshPerry.com](mailto:b.boutilier@McIntoshPerry.com)>

Subject: Intersection improvements at Highway 62 and Ridge/Moira Road (County Road 8)

In regard to the proposed Roundabout at Highway 62 / Ridge-Moira Road:

As people who live in the local area, near Ivanhoe, and pass through this junction frequently, we would like to make a few brief comments.

1. We consider this roundabout unnecessary.

Accidents that have occurred at this intersection have often been due to lack of clear vision from the Ridge/Moira road:

From the east this is particularly due to the position of signage in front of the cemetery.

From the west it is due to the problem of clearly locating the junction as one travels around the bend and down the hill towards it. The Centre Hastings Fire Department (Huntingdon Township) suggested, many years ago, that roughening the road (rumble strips) on the approach to the junction would help. This was never tried.

Simple measures could make this a safe junction. In fact, since the recent slight re-alignment, the number of accidents appears to have decreased.

A roundabout, taking up a large area and slowing traffic, as it approaches inclines both north and south, seems a rather excessive strategy at this location.

2. Instead of a roundabout, traffic lights would be safer.

Canadians, generally, are not accustomed to using roundabouts, even those with just one lane. This alone will be a hazard.

Some roundabouts have a central raised cement "lane" which, particularly in poor light, is a hazard in itself.

Please don't install one at this location.

Please, do install signage suggesting that traffic give way to the left and that traffic signal when entering and leaving the roundabout.

This roundabout is going to go ahead, whether we think it is a good idea or not. Please, at least make it as safe as possible. Making sure approaches from the east and west are well-designed with clear vision will be a large part of that.

It would have been nice if you'd asked our opinion earlier.

October 5, 2021

Dear :

**Re: Detail Design for Roundabout Construction at the Intersection of Highway 62 and Ridge/Moira Road, W.P. 4028-05-01**

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Thank you again for your interest in the Ministry's proposed roundabout and for your comments. We appreciate public input, and your comments will be considered by the Ministry.

Sincerely,

**McIntosh Perry Consulting Engineers,**



Bob Boutilier  
Project Manager

Sarah Peters

---

From: Jennifer Cavanagh  
Sent: October 6, 2021 8:02 AM  
To:  
Cc: 'Kardassis, Chris (MTO)'; Bob Boutilier; Baczyk, Steve (MTO)  
Subject: FW: Roundabout @ Hwy 62 & Ridge/Moira Road  
Attachments: Highway62MoiraRoadRoundaboutLetter.l 6Oct2021.pdf;  
HowtoUseaRoundabout.pdf

Good morning

Thank you for your email in regard to the installation of a roundabout at the intersection of Highway 62 and Ridge/Moira Road. Please find attached a letter to respond to your concern and explain why the Ministry is building a roundabout at this intersection.

Sincerely,  
Jennifer

---

From: Kardassis, Chris (MTO)  
Sent: August 26, 2021 2:00 PM  
To:  
Subject: RE: Roundabout @ Hwy 62 & Ridge/Moira Road

Thank you for your email from this morning regarding the proposed roundabout at Highway 62.  
We are in the process of gathering public comments and we will be addressing everyone's questions once we complete our Online Public Information Centre.

Chris Kardassis  
Project Manager  
Ministry of Transportation  
1355 John Counter Blvd.  
Kingston, ON, K7L 5A3

---

From:  
Sent: August 26, 2021 7:44 AM  
To: Kardassis, Chris (MTO) <[Chris.Kardassis@ontario.ca](mailto:Chris.Kardassis@ontario.ca)>  
Subject: Roundabout @ Hwy 62 & Ridge/Moira Road

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

I agree that this intersection needs something done, but feel a set of lights would have been a better idea . That's exactly what they did at the Foxboro Stirling road and it appears to have worked. My personal opinion is that roundabouts are not suited to a Hwy as busy as this one. Wish a vote would of been taken by the public prior to hiring

an Engineering Group to build this roundabout so the public had a say, but then we very seldom do in these issues, although we are the people who travel these roads on a regular basis. When do you expect construction to start. Look forward to hearing from you. Thanks

October 6, 2021

Dear

**Re: Detail Design for Roundabout Construction at the Intersection of Highway 62 and Ridge/Moira Road, W.P. 4028-05-01**

Thank you for your email regarding the installation of a roundabout at the intersection of Highway 62 and Ridge/Moira Road. Your concern about the roundabout is noted. The purpose of this letter is to respond to your concern and explain why the Ministry is building a roundabout at this intersection.

Due to increasing traffic volumes at this intersection, delays are experienced for drivers on both sideroads attempting to proceed across or turn onto Highway 62. Intersection control is required at this location to manage the current and future operational conditions.

During the Preliminary Design stage of the project, the Ministry reviewed different intersection control alternatives, including traffic signals and a roundabout, and determined that a roundabout was the preferred option. The public was consulted throughout the Preliminary Design, and public input was incorporated in the alternative evaluation.

The purpose of installing a roundabout at this location is to improve operational safety for all users of the intersection while maintaining free flow operating conditions for all vehicles, including farm equipment, and horse drawn carriages. The roundabout will facilitate exit operating speeds of approximately 30 to 40 km/h, promoting a freer flow for traffic in all directions. Further, Highway 62 will be shifted slightly to the west to accommodate the roundabout, which will improve the sightlines for motorists on Highway 62 approaching the intersection.

Other advantages of Roundabouts include:

- Fewer points of conflict between vehicles reduces the potential for serious crashes and injury;
- Unlike at a green light at an intersection, vehicles need to slow down to use a roundabout, reducing the likelihood of a serious crash;
- A high volume of vehicles turning left is handled better by a roundabout than by a left-turn signal at a traditional intersection;
- Yielding at the entry of a roundabout takes less time than waiting for a green light at an intersection or for a gap in traffic at a stop sign; and
- Fewer delays reducing fuel consumption and improves air quality by reducing emissions.

One of the concerns identified with intersection control, at this location, is the proximity to the steep grade to the south of the intersection and the concern that a roundabout will slow trucks approaching this grade and cause traffic congestion on the hill. While it is true that the roundabout will slow traffic heading southbound, the roundabout has an advantage over a traffic signal in this respect. Consider a truck that needs to stop at a red signal at this intersection. This truck would be starting from a complete stop as opposed to most of the trucks that leave the roundabout will be starting from a speed of 30 to 40 km/h. Although there is a down grade heading south from the intersection prior to reaching the bottom of the hill, trucks leaving from a stop condition at a traffic signal would reach the bottom of the hill at slower speeds than they would if they are exiting the roundabout.

Another advantage of the roundabout solution over traffic signals at this location is due to the upgrade approaching the intersection from the south, northbound motorists stopped by traffic signals may have difficulty during winter conditions when the roadway becomes slippery. Most vehicles approaching the roundabout will not need to come to a complete stop and the challenge associated with stopping and starting on the steep grade in the winter is diminished.

Please note, that MTO has provided an instructional video on 'How to Use Roundabouts' and a "How to use Roundabout" brochure on the project website. Further, the brochure is being mailed out to all residents prior to the roundabout being opened. The brochure provides guidance on how to navigate the roundabout, including the enhanced signing that will be installed to assist motorists. I have attached a copy for your reference.

It is anticipated construction will start in spring 2022, subject to completion of design, environmental clearance and obtaining the necessary funding.

Thank you again for your interest in the Ministry's proposed roundabout and for your comments. We appreciate public input, and your comments will be considered by the Ministry.

Sincerely,

**McIntosh Perry Consulting Engineers,**



Bob Boutilier  
Project Manager

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From: Bob Boutilier <b.boutilier@McIntoshPerry.com>  
Sent: August 19, 2021 10:03 AM  
To: Jennifer Cavanagh <j.cavanagh@mcintoshperry.com>  
Subject: Highway 62, Moira/Ridge Road, Roundabout - Public Call,

Jenn, had a call from [REDACTED] this morning relaying [REDACTED] concerns about installing a roundabout at this location. [REDACTED] was concerned that the roundabout would not accommodate the various mix of vehicles using this intersection and that it would be dangerous. I explained that the problem is delays for motorists attempting to cross or turn onto Highway 62 and that traffic signals are warranted. However, given the various constraints the roundabout was the better of the two available options. I told [REDACTED] that we have consulted trucking, farming, Amish/Mennonite groups and have considered their issues in design. [REDACTED] was satisfied and thanked me for explaining it to [REDACTED]. I mentioned that we would log [REDACTED] call but that no personal information would be shared publicly, [REDACTED] didn't really care about that. For your records

**Bob Boutilier**

**Assistant Vice President, Highway Engineering**

**T.** 343.344.2638 | **F.** 613.542.7583 | **C.** 613.453.0462

**McINTOSH PERRY**

Turning Possibilities Into Reality

Sarah Peters

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From: Jennifer Cavanagh  
Sent: August 20, 2021 7:01 AM  
To: Sarah Peters  
Subject: Fwd: Hwy 62, Moira/Ridge Road, Roundabout - Public Contact

Another one to file. Can you ask Janet to print and send the PIC boards to [redacted] please.

Thanks  
Jen

Sent from my iPhone

Begin forwarded message:

**Jennifer Cavanagh, P.Eng.**  
**Practice Area Lead, Environmental Assessment**  
T. 613.903.6028 | F. 613.836.3742 | C. 613.222.1107

**McINTOSH PERRY**

Turning Possibilities Into Reality

From: Bob Boutilier <b.boutilier@mcintoshperry.com>  
Date: August 20, 2021 at 5:37:02 AM EDT  
To: Jennifer Cavanagh <j.cavanagh@mcintoshperry.com>  
Subject: Hwy 62, Moira/Ridge Road, Roundabout - Public Contact

Jenn, had a call yesterday afternoon from [redacted] inquiring about timing of construction. [redacted] doesn't have a computer to look at plans, so I said we'd send [redacted] a hard copy. [redacted] mailing address is:

[redacted] opposes the roundabout, but was very polite and respectful about it.

**Bob Boutilier**  
**Assistant Vice President, Highway Engineering**  
T. 343.344.2638 | F. 613.542.7583 | C. 613.453.0462

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Turning Possibilities Into Reality

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From:

Sent: Friday, August 20, 2021 10:04 AM

To: Bob Boutilier <b.boutilier@McIntoshPerry.com>

Subject: Intersection improvements at Highway 62 and Ridge/Moira Road (County Road 8)

This is the worst thing you could ever do to that spot on the highway. What you need to do is move the intersection north and have merging traffic. It would be a lot safer. I designed it myself on paper and it would work. What you guys are proposing is ridiculous.

Get [Outlook for Android](#)

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From: Bob Boutilier <b.boutilier@McIntoshPerry.com>  
Sent: August 23, 2021 11:33 AM  
To: Jennifer Cavanagh <j.cavanagh@mcintoshperry.com>  
Cc: Joe Alves <J.Alves@McIntoshPerry.com>; Jordan Gunning <J.Gunning@McIntoshPerry.com>  
Subject: Hwy 62, Moira/Ridge Rd, Roundabout - Public Comments

Had a call today from \_\_\_\_\_ was asking if there was going to be impacts to the cemetery. I told \_\_\_\_\_ of the minor change to the entrance location and of the new entrance on Highway 62. \_\_\_\_\_ was happy that there was no disruption. FYI

**Bob Boutilier**

**Assistant Vice President, Highway Engineering**

**T.** 343.344.2638 | **F.** 613.542.7583 | **C.** 613.453.0462

**McINTOSH PERRY**

Turning Possibilities Into Reality

## **Stakeholder Information Meeting Minutes**

## MUNICIPALITY OF CENTRE HASTINGS MEETING MINUTES

**Date and Time:** Tuesday May 19, 2020  
9:00am – 12:00pm  
**Location:** St. Lawrence Room  
**Teleconference:** Microsoft Teams App  
**Subject:** **GWP 4060-16-00 | WP 4028-05-01**  
**Highway 62 & County Road 8 (Ridge Road/Moira Road) Roundabout**

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### Attendees:

Dan Brandao	MTO, P&D PM	Tom Deline	Centre Hastings, Mayor
Steve Baczyk	MTO, Environmental	Eric Sandford	Centre Hastings, Deputy Mayor
Lori Brake	MTO, Traffic	Typhany Choinard	Centre Hastings, CAO/Clerk
Chris Garlough	MTO, Traffic	Kevin Hart	Centre Hastings, Public Works
Bob Boutilier	MP, Highway		
Joe Alves	MP, Highway		

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### AGENDA ITEMS

- 1.0 REVIEW OF PROJECT
- 2.0 MUNICIPALITY COMMENTS AND CONCERNS, AND
- 3.0 PROJECT STATUS

#### 1.0 REVIEW OF PROJECT

Plans were forwarded to the attendees prior to the meeting for their review. **Typhany Choinard (TC)** introduced the attendees from Centre Hastings, **Dan Brandao (DB)** introduced the MTO attendees and **Bob Boutilier (BB)** introduced the McIntosh Perry (MP) attendees. **DB** introduced the project, provided background information and progress to date on the design. **Joe Alves (JA)** discussed the project in greater detail including a discussion of the proposed staging sequence changes to the existing entrances at the cemetery and Fine Line Design. **BB** discussed the consultation with the property owners to date.

#### 2.0 MUNICIPALITY COMMENTS AND CONCERNS, AND

**Mayor Tom Deline (TD)** noted that Centre Hastings council was not in favour of the roundabout selection at this location due to the steep grades at Rawdon Creek. He noted that currently many trucks (tractor-trailers) that use Highway 62 in the winter, get stuck on the climbing the steep grades on the approaches to the Rawdon Creek structure. He is concerned that placing a roundabout at this location will cause trucks to slow down for the roundabout and then the trucks will not have enough speed built up to climb the hill south of Rawdon Creek when roads are slippery or wet. **TD** asked if a truck climbing lane was considered for this location. **DB**

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responded that a truck climbing lane was not within the scope of this project, but he would review preliminary design and MP would review the truck speeds to confirm that they would have sufficient speed to climb the grades. **DB** noted that the roundabout was selected to improve the safety at the intersection of Highway 62 and Moira/Ridge Road. **TD** noted that if a truck climbing lane could not be built at this location then he asked that the MTO increase winter road maintenance operations and that this location be given priority by the MTO after winter weather events. **DB** will discuss this request internally within the MTO and provide a response to **TD**. **TD** asked for the response in writing and for the municipality to be included in any further discussion regarding the truck climbing lane and winter maintenance operations.

**Kevin Hart (KH)** expressed his concern for the Amish community's horse and buggies sharing the roadway in the roundabout with larger vehicles. **BB** noted that the approach lanes to the roundabout are 5 m wide and additional signage will be provided to inform all roadway users to share the road with slower vehicles.

**Post Meeting Note:** Kevin Hart sent the following email:  
Typhany,

*My major concern is large trucks holding back traffic as they climb the hill at 20 – 40 km/hr. I believe you will have traffic trying to pass them on the hill putting oncoming traffic at risk due to the blind spot at the top of the hill.*

*Kevin Hart, C.E.T., CRS-S*

MTO and MP will review the traffic speeds of trucks to determine if they have sufficient speed to climb the grades at Rawdon Creek.

### 3.0 PROJECT STATUS

The municipality staff was interested to know when construction would occur. **DB** mentioned that construction is currently scheduled for spring/summer of 2021 pending the acquisition of funding, permits, and approvals. **DB** informed the group that there would be a Public Information Centre meeting later in the design process to fully inform the public of the proposed design, and to seek public input.

Joe Alves  
Assistant Project Manager/Senior Highway Designer

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**From:** Kardassis, Chris (MTO) <[Chris.Kardassis@ontario.ca](mailto:Chris.Kardassis@ontario.ca)>  
**Sent:** Thursday, January 6, 2022 1:02 PM  
**To:** [tdeline@centrehastings.com](mailto:tdeline@centrehastings.com)  
**Cc:** Bob Boutilier <[b.boutilier@McIntoshPerry.com](mailto:b.boutilier@McIntoshPerry.com)>  
**Subject:** Highway 62 and Moira/Ridge Road Roundabout

All the best in the New Year Mayor Deline.

I'm following up from our telephone conversation in November, I appreciated the opportunity to introduce myself as the project manager for the new roundabout on Highway 62 at Moira/Ridge Road. The ministry is moving forward with the design of this roundabout as the preferred method of intersection control at this location. The installation of the roundabout will improve access to and from Highway 62 at this intersection.

The purpose of my call and this email is to provide you with a response to concerns you previously identified to our project team. We discussed whether a new roundabout will impact vehicle speeds climbing the hill south of the intersection and if the ministry is considering a truck climbing lane for this location as a result. In addition, I understand that you have also asked if the ministry can

prioritize the treatment of the hill with winter maintenance activities during and after a winter storm event.

A truck climbing lane is not part of this project but the ministry will monitor this location post construction to determine if the roundabout has had any impact on the operation of the highway on the hill south of the roundabout. In addition, I have checked with our winter maintenance staff and they have indicated to me that all highways are maintained based on service levels set by the classification of the highway. Due to the logistics of highway winter maintenance, there is no ability to place a higher priority on segments of a highway within the same classification. Our maintenance staff are aware of your concern and will monitor the maintenance of the highway to ensure that service standards are being met.

Thank you for expressing your concerns about traffic safety.

Chris Kardassis  
Project Manager  
Ministry of Transportation  
1355 John Counter Blvd.  
Kingston, ON, K7L 5A3

CC Bob Boutilier Design consultant for McIntoshPerry

## SITE MEETING MINUTES – CEMETERY REPRESENTATIVES

**Date:** Friday, October 25, 2019

**Time:** 10:00 AM – 10:30 AM

**Location:** St. Luke's Cemetery at Highway 62 and Moira Road

**Re:** Site Meeting - 4017-E-0021 Assignment #2 – Highway 62 and Moira/Ridge Rd Roundabout  
GWP 4060-16-00, WP 4028-05-01

**Attendees:**

Dan Brandao	MTO, PM / P&D	Bob Boutilier	MP, PM/Highway
Steve Baczyk	MTO, Environmental		

**Cemetery Representatives:**

Barb Ashley-Caterer	Cemetery Board
Terry Shannon	Cemetery Board
Grant Thompson	Cemetery Board

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### AGENDA ITEMS

- 1.0 Review of design options,
- 2.0 Acquire local knowledge, and
- 3.0 Project status

#### 1.0 Cemetery Entrance – Design Options

MTO presented the cemetery representatives with a plan showing the following:

1. The proposed closure of the existing main entrance that currently has brick pillars and an iron gate;
2. The modifications to the existing gravel entrance on the south side of Moira Road, and
3. A potential new 'exit only' entrance at the south limit of the cemetery on the east side of Highway 62

Cemetery Representatives responses:

1. The representatives agreed with abandoning the existing main entrance by ditching along the current frontage to physically prohibit any access. The existing monuments and gate will remain in place.
2. The group asked that MTO consider moving the new gravel entrance on Moira Road a few metres to the west to avoid any conflict with the first row of grave markers. MP/MTO will prepare a new design for MTO team review.
3. The group agreed with the installation of this 'exit only' entrance to facilitate vehicles leaving the site heading south on Highway 62. This would eliminate a potential 'U Turn' out of the Moira Road entrance for those heading south after an interment. The entrance would have a gate that remains locked at all times and opened by cemetery staff as required for vehicles exiting a funeral.

### **2.0 Cemetery Entrance – Local Knowledge**

MTO was advised that there are approximately two funerals per year at the site. Visitors park east of the Highway 62 intersection on the shoulder along the south side of Moira Rd. Although there are no grave sites sold west of the current most westerly row of markers, the intent is that over time the site will be filled to its west limit. The cemetery representatives were relieved to know that MTO will not be acquiring property from their site.

Grant Thompson mentioned that the roundabout would need to accommodate the large number of long trucks travelling from the IKO facility north of the site, southbound to Trenton.

### **3.0 Cemetery Entrance – Project Status**

The group was interested to know when construction would occur. Dan Brandao mentioned that construction is currently scheduled for spring/summer of 2021 pending the acquisition of funding, permits, and approvals. Dan informed the group that there would be a Public Information Centre meeting later in the design process to fully inform the public of the proposed design, and to seek public input. The cemetery group seemed very satisfied with the meeting discussion.

Bob Boutilier  
Senior Project Manager

## **Notice of Completion – Design and Construction Report**

# Notice of Completion for Design and Construction Report

## Detail Design for Roundabout Construction at the Intersection of Highway 62 and Ridge/Moira Road (W.P. 4028-05-01)

### THE PROJECT

The Ministry of Transportation Ontario (MTO) has retained **McIntosh Perry Consulting Engineers Ltd.** and **LEA Consulting Ltd. Joint Venture (MP-LEA Joint Venture)** to carry out the Detail Design and Class Environmental Assessment (Class EA) for the construction of a roundabout at the intersection of Highway 62 and Ridge/Moira Road (County Road 8) in West Huntingdon Station in the Municipality of Centre Hastings.

The project scope of work includes, but is not limited to:

- Intersection improvements including construction of a roundabout at the Highway 62 and Ridge/Moira Road intersection;
- Minor alignment modifications to Highway 62 and Ridge/Moira Road;
- Improvements to intersection sight distances; and
- Installation of new concrete islands with curb and gutter on roundabout approaches and modification of entrance connections.

### THE PROCESS

A Transportation Environmental Study Report (TESR) was prepared in 2014 during preliminary design which evaluated and selected a preferred design alternative for long term improvements at the intersection. This project was carried out in accordance with the approved environmental planning process for projects under the *Class Environmental Assessment for Provincial Transportation Facilities (2000)* for a Group "B" project, with the opportunity for public input throughout the project. A Public Information Centre (PIC) was held virtually on the project website from August 19, 2021 to September 3, 2021, to provide an opportunity for stakeholder input during detail design.

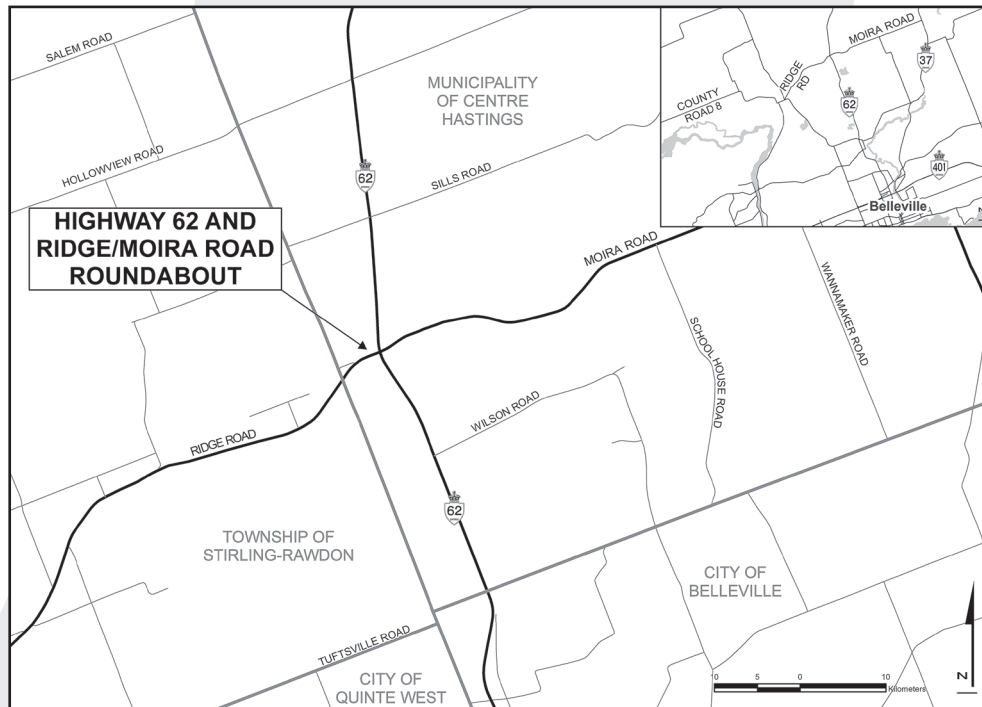
**The purpose of this notice is to inform the public that the Design and Construction Report (DCR) has been prepared and will be available from February 10, 2022 to March 11, 2022 for a 30-day public comment period.**

Due to Covid-19 restrictions, the DCR will be available electronically on the project website [www.moiraroundabout.ca](http://www.moiraroundabout.ca). Hard copies of the DCR are also available upon request and can be mailed to your address.

### COMMENTS

Interested persons may provide written comments to our project team by March 11, 2022. All comments and concerns should be sent directly to one, or both, of the project team members listed below.

In addition, a request may be made to the Ministry of the Environment, Conservation and Parks for an order requiring a higher level of study (i.e., requiring an individual/comprehensive EA approval before being able to proceed), or that conditions be imposed (e.g., require further studies), only on the grounds that the requested order may prevent, mitigate or remedy adverse impacts on constitutionally protected Aboriginal and treaty rights. Requests on other grounds will not be considered. Requests should include the requester contact information and full name for the ministry.



Requests should specify what kind of order is being requested (request for additional conditions or a request for an individual/comprehensive environmental assessment), how an order may prevent, mitigate or remedy those potential adverse impacts, and any information in support of the statements in the request. This will ensure that the ministry is able to efficiently begin reviewing the request.

The request should be sent in writing or by e-mail to:

Minister of the Environment,  
Conservation and Parks  
Ministry of Environment,  
Conservation and Parks  
777 Bay Street, 5th Floor  
Toronto, ON M7A 1P5  
e-mail: [Minister.mecp@ontario.ca](mailto:Minister.mecp@ontario.ca)

Director, Environmental Assessment Branch  
Ministry of Environment,  
Conservation and Parks  
135 St. Clair Ave. W, 1st Floor  
Toronto, ON M4V 1P5  
e-mail: [EABDirector@ontario.ca](mailto:EABDirector@ontario.ca)

Requests should also be sent to the project team listed below by mail or by email.

**Mr. Bob Boutilier**  
Project Manager  
McIntosh Perry Consulting Engineers  
1-1329 Gardiners Road  
Kingston, ON K7P 0L8  
tel: 343-344-2638 or  
toll free: 1-888-348-8991  
e-mail: [b.boutilier@mcintoshperry.com](mailto:b.boutilier@mcintoshperry.com)

**Mr. Chris Kardassis**  
Project Manager  
Ministry of Transportation - Eastern Region  
1355 John Counter Blvd., PO Box 4000  
Kingston, ON K7L 5A3  
tel: 613-545-4735 or  
toll free: 1-800-267-0295 ext. 4735  
e-mail: [chris.kardassis@ontario.ca](mailto:chris.kardassis@ontario.ca)

Information will be collected in accordance with the *Municipal Freedom of Information and Protection of Privacy Act*. With the exception of personal information, all comments will become part of the public record.

If you have accessibility requirements in order to participate in this project, please contact one of the project team members listed above.

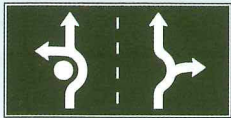
## **How to Use A Roundabout Brochure**

# What do these signs mean?

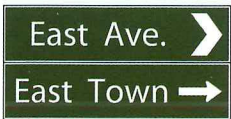


300 m

Slow down, the roundabout is 300m ahead.



Choose the correct lane based on which direction you want to go. Keep to the right of the Central Island.



These signs mark the exits from the roundabout and show the road name and its destination. As you approach your intended exit, signal right and carefully exit the roundabout. Watch for pedestrians and cyclists crossing the roadway.



Directional guide signs show the exits and where they will take you.



Yield to all traffic in the roundabout, wait for an adequate gap, and then enter the circulatory roadway. Traffic inside the roundabout always has the right-of-way. In the roundabout travel only in a Counterclockwise Direction.



Do not drive beside large trucks when approaching or within the roundabout. Large trucks may need both lanes to pass through the roundabout.

## Quick Tips

- ✓ Slow down as you approach the roundabout.
- ✓ Choose the correct entry lane.
- ✓ Watch for pedestrians crossing the roadway when approaching or exiting a roundabout.
- ✓ Traffic in the roundabout has the right-of-way.
- ✓ Give large vehicles extra space to manoeuvre.
- ✓ Avoid passing other vehicles in the roundabout.
- ✓ Signal your exit.



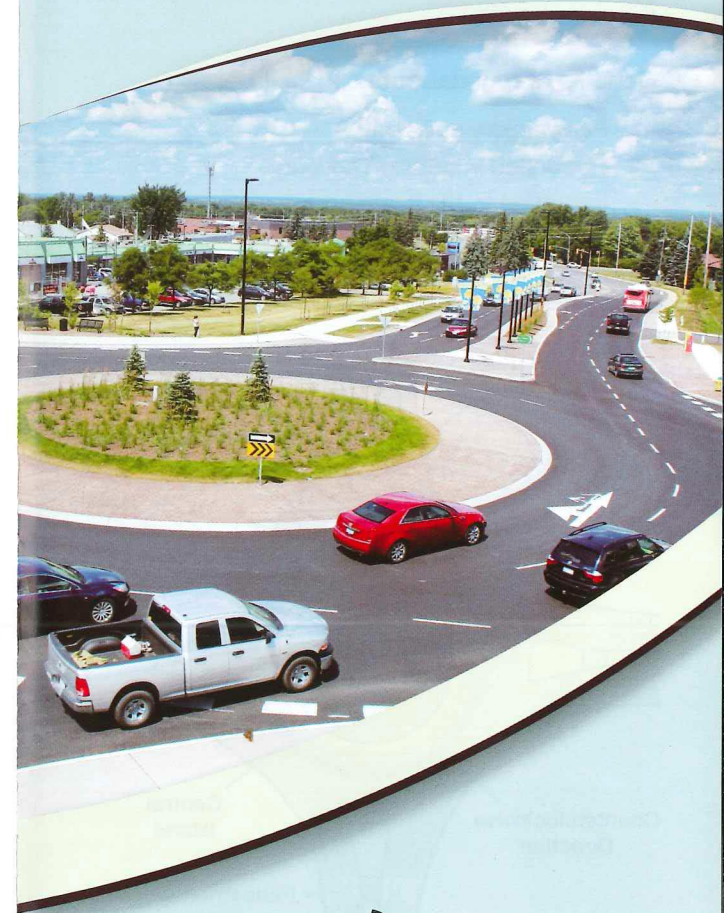
For more information, visit the MTO Roundabouts Website at

[www.ontario.ca/roundabout](http://www.ontario.ca/roundabout)

ISBN 978-1-4435-9758-6 (PRINT)

## How to use Roundabouts

*Tips on how to drive, walk, and cycle safely in roundabouts*



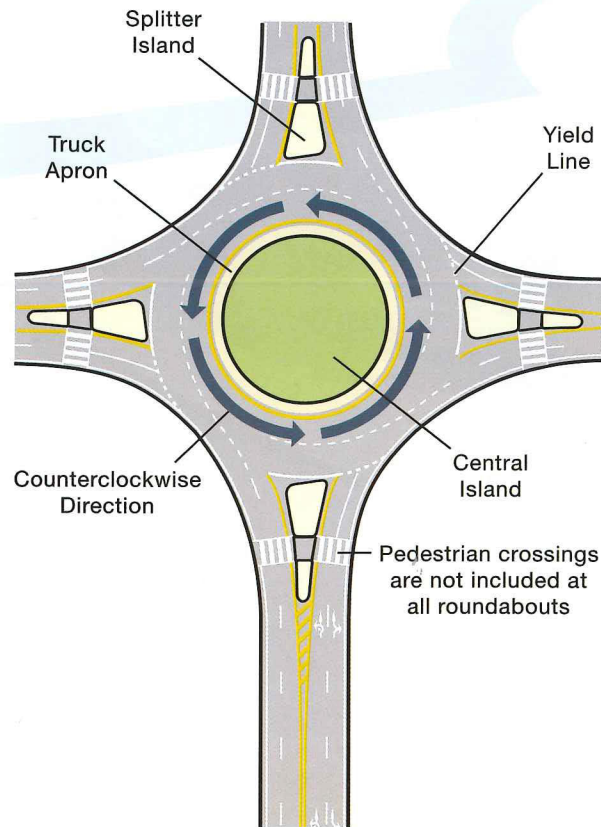
 Ontario

# About Roundabouts

Roundabouts are a type of intersection at which all traffic circulates in a Counterclockwise Direction, to the right of a Central Island. All entering vehicles must yield to traffic already in the roundabout.

Benefits of roundabouts can include:

- » Fewer injury collisions.
- » Reduction in collision severity.
- » Improved traffic flows.
- » Fewer stops and reduced delays.
- » Less idling and air pollution.



# Rules for Roundabouts

## Large Vehicles

Large vehicles may need to use more than one lane when approaching, within and exiting the roundabout. Within the roundabout, large vehicles may also need to use the Truck Apron. Give large vehicles plenty of room to navigate within the roundabout.

## Pedestrians

Never cross to the Central Island of the roundabout. The Splitter Islands will allow you to cross one direction of traffic at a time. Pedestrians should always wait for gaps in the traffic and only cross when it is safe to do so.

## Cyclists

Experienced cyclists may ride through the roundabout as if you were any other vehicle. Before entering the roundabout, the cyclists should carefully move into the centre of the appropriate travel lane. They should stay in the middle of the lane until they are clear of the roundabout. Less experienced cyclists should dismount and walk their bicycles, following the same rules that apply to pedestrians.

## Emergency Vehicles

If you have not yet entered the roundabout, pull over to the right if possible and allow the emergency vehicle to pass you. If you are in the roundabout, take your intended exit and proceed beyond the Splitter Island before pulling over to the right to allow the emergency vehicle to pass you. Never stop inside the roundabout.

- 1 Slow down as you approach the roundabout. Keep to the right of the Splitter Island.
- 2 Use the correct lane for your intended destination.
- 3 Pay special attention to pedestrians who may be crossing the roadway.
- 4 Watch for vehicles already in the roundabout, including cyclists.
- 5 Traffic in the roundabout always has the right-of-way. Entering vehicles must always yield.
- 6 Enter the roundabout when there is an adequate gap in the circulating traffic.
- 7 In the roundabout, keep to the right of the Central Island and travel in a Counterclockwise Direction.
- 8 Do not stop, pass large vehicles or change lanes within the roundabout.
- 9 Use your right-turn signal when exiting the roundabout.
- 10 If you miss your exit, continue around the roundabout again and exit.

# Navigating Multi-Lane Roundabouts



**TO TURN LEFT**  
Move into the left lane approaching the roundabout. Once you are in the roundabout, stay in the left lane. When approaching your intended exit, signal right and exit the roundabout in the left lane.



**TO TURN RIGHT**  
Move into the right lane approaching the roundabout. Once you are in the roundabout, stay in the right lane. When approaching your intended exit, signal right and exit the roundabout in the right lane.



**TO GO STRAIGHT AHEAD**  
Use either the left or right lane approaching the roundabout. Once you are in the roundabout, stay in your lane. When approaching your intended exit, signal right and exit the roundabout while staying in your lane.