
Subject: Transportation Quarterly Update

Report to: Public Works Committee

Report date: Tuesday, June 15, 2021

Recommendations

1. That this report **BE RECEIVED** for information.

Key Facts

- On January 21, 2021, Council approved the Capital budget of which Transportation Services Division received \$54.4M in funding to advance new and ongoing capital projects.
- The purpose of this report is to provide Council members and other stakeholders with an overview and status update of transportation capital projects and studies to be administered, or underway, by the Transportation Services Division of the Public Works Department.
- 2021 Transportation Capital approved projects, prior approved ongoing projects and Transportation Services' 5-Year Capital Outlook projects are identified.

Financial Considerations

Any future financial costs directly associated with the projects outlined in this report that are not already covered within prior approved budgets (up to and including 2021 Capital Budget) will be referred to the Budget Review Committee of the Whole for consideration as part of future budget deliberations.

Analysis

The Transportation Services Division is responsible for the administration of transportation studies and capital project management in order to maintain an effective and efficient Regional arterial road network.

The Division's capital forecast is based on the following criteria and parameters:

- The Transportation Master Plan (TMP) provides the direction, policies and infrastructure improvements required to address planned growth within Niagara Region to future planning horizons. The TMP Implementation Strategy includes:
 - New and revised policies;
 - New strategic transportation corridors and priorities, including Environmental Assessment Studies in support of transportation infrastructure needs;
 - Complete Streets and Active Transportation initiatives; and,
 - Approaches to incorporate multi-modal (walking, cycling, transit, car) platforms.
- Pavements are evaluated annually through the Pavement Management System (Pavement Condition Index - PCI). A future report from Transportation will outline the current PCI key performance indicator (KPI), overall asset management status for Regional Roads, and discuss revisions to the KPI for assessing funding of the pavement assets.
- Structures and Major Culverts are inspected biennially through the Bridge Management System (Bridge Condition Index – BCI). Similar to the PCI, a future report from Transportation will address this performance indicator.
- Asset Management and lifecycle analyses.
- Projects are also prioritized based on safety, risk, environmental impacts and partnership coordination with other stakeholders.

To facilitate the understanding of Transportation's Capital works program, the Division has created two (2) resources that outline project details as listed below:

- **The 2021 Transportation Capital Roads and Bridges Program** (Appendix 1).
Capital works categories are defined; followed by a listing of 2021 road and bridge construction projects and associated activities taking place within Niagara.
- **Transportation Services 5-Year Forecast** (Appendix 2).
To keep Council, stakeholders and other interested parties informed, a major project list broken down by Local Area Municipality is attached.

Relationship to Council Strategic Priorities

The Transportation Services Division implements capital projects that align with Council's 2019-2022 Strategic Priority of Responsible Growth and Infrastructure Planning, specifically:

Objective 3.3: Maintain Existing Infrastructure

- Sound asset management planning to ensure sustainable investments in the infrastructure needed to support existing residents and businesses, as well as future growth in Niagara

Objective 3.4: Facilitating the Movement of People and Goods

- Commitment to the implementation of Niagara's Transportation Master Plan (TMP), creating an integrated network of roads and highways for the movement of people and goods
- Advocate and support transportation projects, safety and healthy streets, active transportation, and multi-modal travel

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This report was prepared in consultation with Pamela Miltenburg, Transportation Capital Planning Specialist, and reviewed by Frank Tassone, Associate Director of Transportation Engineering.

Appendices

Appendix 1	2021 Transportation Capital Roads and Bridges Program
Appendix 2	Transportation Services 5 Year Forecast

PW 6-2021
Appendix 1

**MOVING
ROADS
FORWARD**

2021 TRANSPORTATION CAPITAL ROADS AND BRIDGES PROGRAM



**CONNECTING MORE PEOPLE
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Niagara  Region

Niagara Region's 2021 Road Capital Budget/Program was approved by Regional Council on Jan. 21, 2021. This document provides a listing of road construction projects and other road-related activities taking place within Niagara.

CLASS ENVIRONMENTAL ASSESSMENTS

Are performed prior to undertaking a major road construction project to identify and address the overall impact of the project on the social, cultural and natural environment. This is an approved process that municipalities must follow under the Ontario Environmental Assessment Act.

FUTURE CONSTRUCTION PROJECTS UNDER DESIGN

Involve the preparation of detailed design contract drawings and technical specifications for construction projects, such as new roads and road widenings, road reconstruction and/or rehabilitations, grade separations, and intersection improvements.

INTERSECTION IMPROVEMENTS

Are modifications to improve the safety of the intersection, such as adding turn lanes and curbs, resurfacing the road and changing pavement markings, installing new traffic signals, and creating roundabouts.

MAJOR ROAD CONSTRUCTION

Includes the construction of new roads, and the widening or reconstruction of existing roads as part of the Region's 10-Year Capital Program.

Note: Year-round activities/ programs, such as pothole repairs, railway crossing improvements, illumination installations, guide rail improvements and installations, culvert replacements, and traffic signal rebuilds and replacements are ongoing and not reflected in this list.

ROAD RESURFACING

Involves grinding out and repaving the road surface to restore it to its original state. Also known as the Hot Mix Program, this method of road rehabilitation is implemented as a cost effective strategy for extending the useful life of the road.

BRIDGE REHABILITATION

Involves the modification, alteration or improvement of existing bridges on Regional Roads. The work is performed to correct deficiencies that will extend the service life or increase the load carrying capacity.

BRIDGE REPLACEMENT

Involves the replacement of existing bridge structures that have reached the end of their service life.



Capacity Improvement – Network Expansion Program

Street Name	Project Location	Project Status
RR 10 Casablanca Blvd.	Main St. to North Service Rd. Grimsby	<ul style="list-style-type: none"> • Under design with construction expected to begin in 2021 • Work in progress
RR 37 Merritt Rd.	Niagara St. to Rice Rd. Thorold	<ul style="list-style-type: none"> • Class Environmental Assessment • Carried over from a previous budget year
RR 49 McLeod Rd. (Phase 2)	Hydro Canal to Wilson Cres. Niagara Falls	<ul style="list-style-type: none"> • Future construction project under design • Work in progress
RR 55 Niagara Stone Rd.	East West Line to Concession 6 Niagara-on-the-Lake	<ul style="list-style-type: none"> • Class Environmental Assessment • Carried over from a previous budget year
RR 57 Thorold Stone Rd.	Gale Centre to Victoria Ave. Niagara Falls	<ul style="list-style-type: none"> • Construction, Major Road Construction • Work in progress
RR 89 Glendale Ave.	Interchange at QEW Niagara-on-the-Lake	<ul style="list-style-type: none"> • Construction, Major Road Construction • Work in progress
RR 98 Montrose Rd.	Lyon's Creek Rd. to Canadian Dr. Niagara Falls	<ul style="list-style-type: none"> • Class Environmental Assessment • Carried over from a previous budget year
RR 512 Livingston Ave. Extension	Casablanca Blvd. to Main St. Oakes Rd. Grimsby	<ul style="list-style-type: none"> • Class Environmental Assessment • Carried over from a previous budget year

Street Name	Project Location	Project Status
New Escarpment Crossing	Grimsby / Lincoln	<ul style="list-style-type: none"> • Class Environmental Assessment • Carried over from a previous budget year
New Grade Separation	To be determined St. Catharines	<ul style="list-style-type: none"> • Class Environmental Assessment • Carried over from a previous budget year
South Niagara East/ West Arterial	To be determined New Arterial Road	<ul style="list-style-type: none"> • Class Environmental Assessment • Carried over from a previous budget year



Intersection Improvement Program

Street Name	Project Location	Project Status
RR 14 Thirty Rd.	At Young St. West Lincoln	<ul style="list-style-type: none"> • Class Environmental Assessment • Continuation of project from a previous budget year
RR 24 Victoria Ave.	at RR 63 Canboro Rd. West Lincoln	<ul style="list-style-type: none"> • Future construction project under design • Work in progress
RR 49 McLeod Rd.	at Drummond Rd. Niagara Falls	<ul style="list-style-type: none"> • Future construction project under design • Continuation of project from a previous budget year
RR 55 Niagara Stone Rd.	at Airport Rd. and Line 2 Rd. Niagara-on-the-Lake	<ul style="list-style-type: none"> • Future construction project under design • Continuation of project from a previous budget year
RR 81 King St.	at Main St. and Nineteenth St. Lincoln	<ul style="list-style-type: none"> • Future construction project under design • Work in Progress
RR 83 Carlton St.	at Geneva St. St. Catharines	<ul style="list-style-type: none"> • Under design with construction expected to begin in 2021 • Work in Progress
RR 98 Montrose Rd.	Lyon's Creek Rd. to Canadian Dr. Niagara Falls	<ul style="list-style-type: none"> • Class Environmental Assessment • Work in Progress
RR 100 Four Mile Creek	at York Rd. Niagara-on-the-Lake	<ul style="list-style-type: none"> • Class Environmental Assessment • Continuation of project from a previous budget year

Roads Rehabilitation / Reconstruction Program

Street Name	Project Location	Project Status
RR 1 Dominion Rd.	Helena St. to Lakeshore Rd. Fort Erie	<ul style="list-style-type: none"> • Under design with construction expected to begin in 2021 • Continuation of project from a previous budget year
RR 20 Lundy's Lane	Highland Ave. to Montrose Rd. Niagara Falls	<ul style="list-style-type: none"> • Class Environmental Assessment Study in progress with the detail design phase expected to begin in 2021 • Work in Progress
RR 20 West St. Phase 4	S. Grimsby Rd. 5 to Wade Rd. West Lincoln	<ul style="list-style-type: none"> • Future construction project under design • Work in Progress
RR 20 St. Catharines St. Phase 5	Canborough St. to Industrial Park Rd. West Lincoln	<ul style="list-style-type: none"> • Future construction project under design • Work in Progress
RR 43 Bridge St.	Victoria Ave. to Erie Ave. Niagara Falls	<ul style="list-style-type: none"> • Class Environmental Assessment • Work in Progress
RR 45 Creek Rd.	RR 4 Wellandport Rd. to RR 63 Canborough Rd. Wainfleet	<ul style="list-style-type: none"> • Class Environmental Assessment Study in progress with the detail design phase expected to begin in 2021 • Work in Progress
RR 48 Niagara St.	RR 83 Carlton St. to Scott St. St. Catharines	<ul style="list-style-type: none"> • Future construction project under design • Continuation of project from a previous budget year
RR 49 McLeod Rd.	Pump Station Upgrades	<ul style="list-style-type: none"> • Construction, Major Road Construction • Continuation of project from a previous budget year

Street Name	Project Location	Project Status
RR 56 Burleigh Hill	Warkdale Rd. to St. David's Rd. St. Catharines	<ul style="list-style-type: none"> • Class Environmental Assessment • Continuation of project from a previous budget year
RR 63 Canborough Rd.	RR 27 Wellandport Rd. to Community Centre West Lincoln	<ul style="list-style-type: none"> • Future construction project under design • Continuation of project from a previous budget year
RR 69 Twenty Mile Rd.	RR 24 Victoria Ave. to Mountain Rd. West Lincoln	<ul style="list-style-type: none"> • Future construction project under design • Continuation of project from a previous budget year
RR 69 Pelham Rd. Phase 3	Effingham Rd. to Wessel Dr. St. Catharines	<ul style="list-style-type: none"> • Construction, Major Road Construction • Continuation of project from a previous budget year
RR 72 Louth St.	RR 81 St. Paul St. W. to Crestcomb Rd. St. Catharines	<ul style="list-style-type: none"> • Class Environmental Assessment • Continuation of project from a previous budget year
RR 81 Old Hwy 8	Oakes Rd. N. to Casablanca Blvd. Grimsby	<ul style="list-style-type: none"> • Future construction project under design • Continuation of project from a previous budget year
RR 81 Old Hwy 8	Vinehaven Trail to 23rd St. Lincoln	<ul style="list-style-type: none"> • Future construction project under design • Continuation of project from a previous budget year

Street Name	Project Location	Project Status
RR 81 St. Paul St. W.	Burgoyne Bridge to CNR Tracks St. Catharines	<ul style="list-style-type: none"> • Class Environmental Assessment • Continuation of project from a previous budget year
RR 81 Main St.	DSBN High School to Park Rd. N. Grimsby	<ul style="list-style-type: none"> • Future construction project under design • Continuation of project from a previous budget year
RR 87 Lakeshore Rd. W.	Third St. to Seventh St. St. Catharines	<ul style="list-style-type: none"> • Future construction project under design • Continuation of project from a previous budget year
RR 87 Lakeshore Rd.	Townline Rd. to Four Mile Creek Rd. Multi-Use Path Niagara-on-the-Lake	<ul style="list-style-type: none"> • Class Environmental Assessment • Continuation of project from a previous budget year
RR 87 Main St.	Locke St. to RR 42 Ontario St. St. Catharines	<ul style="list-style-type: none"> • Class Environmental Assessment • Continuation of project from a previous budget year
RR 89 Glendale Ave.	Welland Canal to Homer Rd. St. Catharines	<ul style="list-style-type: none"> • Future construction project under design • Continuation of project from a previous budget year
RR 529 Effingham St.	Webber Rd. to River Rd. Pelham	<ul style="list-style-type: none"> • Construction, Road Resurfacing • Continuation of project from a previous budget year

Structure Rehabilitation Program

Street Name	Project Location	Project Status
RR 12 Mountain St. Retaining Wall	Ridge Rd. to Oak St. Grimsby	<ul style="list-style-type: none"> • Future construction project under design • Continuation of project from a previous budget year
Hydro Canal Bridge North (020230)	RR 20 Lundy's Lane over the Hydro Canal Niagara Falls	<ul style="list-style-type: none"> • Under design with construction expected to begin in 2021 • Continuation of project from a previous budget year
Hwy 20 Bridge (020220)	RR 20 West of the Allanburg Bridge Thorold	<ul style="list-style-type: none"> • Bridge Replacement • Continuation of project from a previous budget year
Hwy 20 CPR Subway Bridge (020215)	Hwy 20 West of RR 24 Townline Rd. West Lincoln	<ul style="list-style-type: none"> • Class Environmental Assessment • Continuation of project from a previous budget year
East Main St. Bridge (027225)	RR 27 East Main St. over tracks west of Doan's Ridge Welland	<ul style="list-style-type: none"> • Future construction project under design • Continuation of project from a previous budget year
Schisler Rd. Bridge (027230)	RR 27 Schisler Rd. over tracks east of Doan's Ridge Niagara Falls	<ul style="list-style-type: none"> • Under design with construction expected to begin in 2021 • Continuation of project from a previous budget year
Seventh St. Bridge (034205)	RR 34 Seventh St. Louth over tracks north of RR 77 4th Ave. St. Catharines	<ul style="list-style-type: none"> • Future construction project under design • Continuation of project from a previous budget year
JR Stork Bridge (038205)	RR 38 Martindale Rd. over Francis Creek St. Catharines	<ul style="list-style-type: none"> • Future construction project under design • Continuation of project from a previous budget year

Street Name	Project Location	Project Status
Glenridge Ave. Bridge (050220)	RR 50 Glenridge Ave. over tracks St. Catharines	<ul style="list-style-type: none"> • Future construction project under design • Continuation of project from a previous budget year
Niagara St. Bridge (050205)	RR 50 Niagara St. over the Welland River Welland	<ul style="list-style-type: none"> • Future construction project under design • Continuation of project from a previous budget year
St. Paul CNR Bridge (081215)	RR 81 St. Paul St. W. over tracks St. Catharines	<ul style="list-style-type: none"> • Bridge Replacement • Continuation of project from a previous budget year
Twenty Mile Creek Arch Bridge (081210)	RR 81 King St. over the Twenty Mile Creek Lincoln	<ul style="list-style-type: none"> • Class Environmental Assessment • Continuation of project from a previous budget year
Frank E Weir (087205) & Lakeport Rd. Bridge (087210)	RR 87 Lakeport Rd. over the Martindale Pond St. Catharines	<ul style="list-style-type: none"> • Class Environmental Assessment • Continuation of project from a previous budget year
Glendale Rd. Bridge (089215)	RR 89 Glendale Ave. east of the canal St. Catharines	<ul style="list-style-type: none"> • Future construction project under design • Continuation of project from a previous budget year





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FOR MORE INFORMATION

Transportation Services

905-980-6000 ext. 3230

or 1-800-263-7215

niagararegion.ca/projects

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Appendix 2

**Niagara Region Transportation Capital Project Update
for the
Town of Fort Erie**

2021-05-20

Project Name and Location	Project Overview	Project Stage
RR1 Dominion Rd from Beachview Ave to Lakeshore Rd	This project will include road reconstruction, a new roundabout at Lakeshore Rd and provide active transportation.	Detailed design is currently underway. Construction anticipated in 2021.
RR21 Thompson Rd Bridge (021210) under the railway 0.05 km North of RR 21 Thompson Rd	This project is to prepare preliminary engineering studies for the replacement of the bridge.	Engineering studies to commence in 2021.
RR21 Thompson Rd Bridge (021215) under the railway 0.06 km North of RR 21 Thompson Rd	This project is to prepare preliminary engineering studies for the replacement of the bridge.	Engineering studies to commence in 2021.

*Please note project timing is subject to change based on future Capital funding approval.

**Niagara Region Transportation Capital Project Update
for the
Town of Grimsby**

2021-05-20

Project Name and Location	Project Overview	Project Stage
RR81 Forty Mile Creek Bridge (081205) over Forty Mile Creek 0.16 km West of RR12 Christie St	This project will construct a new structure, replacing the existing structure and provide active transportation.	Request for Proposal for an Environmental Assessment is currently underway. Construction anticipated in 2029
RR10 Casablanca Blvd from North Service Rd to RR81 Main St	This capacity improvement project will include road reconstruction, active transportation as well as intersection improvements at RR40 South Service Rd.	Detailed design is currently underway. Construction anticipated in 2021.
RR81 Main St West from Oakes Rd to Casablanca Blvd	This project will include road reconstruction and provide active transportation.	Detailed design is currently underway. Construction anticipated in 2022.
RR81 Main St from New DSBH High School S to Park Rd N (Phase 1) Park Rd N to Baker Rd (Phase 2) and Nelles Rd to Orchard Pkwy (Phase 3)	This project will include road reconstruction, urbanization and provide active transportation.	Detailed design is currently underway. Phase 1 construction anticipated in 2022.
RR12 Mountain St Retaining Wall from Ridge Rd to Oak St	This project will rehabilitate the existing retaining wall structure.	Detailed design is currently underway. Construction anticipated in 2022.

*Please note project timing is subject to change based on future Capital funding approval.

**Niagara Region Transportation Capital Project Update
for the
Town of Lincoln**

2021-05-20

Project Name and Location	Project Overview	Project Stage
RR81 Twenty Mile Creek Arch Bridge (081210) over 20 Mile Creek 1.90 km East of RR 24 Victoria Ave	This project will construct a new structure, replacing the existing failing structure and provide active transportation.	Request for Proposal for an Environmental Assessment is currently underway. Construction anticipated in 2022
RR69 Pelham Rd - Phase 3 from Wessell Dr to 8th St	Phase 3 of this project will include road reconstruction and provide active transportation.	Detailed design is currently underway. Construction anticipated in 2021.
RR77 Sixteen Creek Arch Culvert 2.10 km East of RR 26 Jordan Rd	This project will rehabilitate the existing 2 lane structure.	Detailed design is currently underway. Construction anticipated in 2022.
RR81 King St at Main St and Nineteenth St	This Region will cost share on the Town's project to make intersection improvements and provide a new traffic signal.	Detailed design is currently underway. Construction anticipated in 2022.
RR81 King St from Vinehaven Tr to 23rd St	This project will include road reconstruction and widening to accommodate active transportation as well as intersection improvements at RR24 Victoria Ave.	Detailed design is currently underway. Construction anticipated in 2023.
RR81 King St Durham Rd to Lincoln Ave	This project is following the Town's watermain replacement. It will include road reconstruction and provide active transportation.	Detailed design is currently underway. Construction anticipated in 2022.

*Please note project timing is subject to change based on future Capital funding approval.

**Niagara Region Transportation Capital Project Update
for the
City of Niagara Falls**

2021-05-20

Project Name and Location	Project Overview	Project Stage
RR20 Lundy's Lane from Highland Ave to Montrose Rd.	This project will include the road reconstruction of Lundy's Lane from Highland Ave to Montrose Rd and will provide active transportation.	Request for Proposal for an Environmental Assessment is currently underway.
RR43 Bridge St from Victoria Ave to Erie Ave	This project will include improvements to the road and buried infrastructure and provide for active transportation.	Request for Proposal for an Environmental Assessment is currently underway.
RR98 Montrose Rd from Lyon's Creek to Canadian Dr	This project will include the road reconstruction and capacity improvement of Montrose Rd from Lyon's Creek to Canadian Dr.	Request for Proposal for an Environmental Assessment is currently underway.
RR20 Hydro Canal Bridge North (020230) over the HEPC 0.60 km East of Montrose Road	This project will rehabilitate the existing structure and include repairs to the substructure and the superstructure.	Detailed design is currently underway. Construction anticipated in 2021.
RR27 Schisler Rd Bridge (027230) over the CNR tracks 1.60 km East of RR 84 Doan's Ridge	This project will rehabilitate the existing 2 lane structure and include concrete patch repairs, waterproof and deck paving and approach slab replacement.	Detailed design is currently underway. Construction anticipated in 2021.
RR49 McLeod Rd Phase 2 Hydro Canal (HEPC) to Wilson Cr	Phase 2 of this project will see the road widening from 4 to 5 lanes and include active transportation.	Detailed design is currently underway. Construction anticipated in 2022.
RR49 McLeod Rd Pumping Station	This project will include upgrades to the pumping station required to manage stormwater on the McLeod Rd Underpass.	Detailed design is currently underway. Construction anticipated in 2021
RR49 McLeod Rd at Drummond Rd	This project will include capacity and road improvements as well as a new traffic signal. Provisions will be made for active transportation. This project is a joint venture with the City's Drummond Rd reconstruction project.	Detailed design is currently underway.
RR57 Thorold Stone Rd Phase 2 from Gale Centre to Victoria Ave	This project will construct a new four lane extension of Thorold Stone Rd with a roundabout at Victoria Ave	Detailed design is currently underway. Construction anticipated in 2022.

*Please note project timing is subject to change based on future Capital funding approval.

**Niagara Region Transportation Capital Project Update
for the
Town of Niagara-on-the-Lake**

2021-05-20

Project Name and Location	Project Overview	Project Stage
RR100 Four Mile Creek Rd at York Rd	This project will provide intersection improvements and investigate active transportation.	EA is currently underway. Construction anticipated in 2023.
RR55 Niagara Stone Rd from East West Line to Concession 6 Rd	This project will include capacity expansion and road reconstruction as well as provide active transportation. Phase 1 from Four Mile Creek Rd to Concession 6 Rd is complete. Phase 2 will be from East West Line to Four Mile Creek Rd.	Detailed design is currently underway. Construction anticipated in 2022.
RR55 Niagara Stone Rd at Airport Rd and at Line 2	This project will provide intersection improvements at both locations.	Detailed design is currently underway. Construction anticipated in 2022.
RR87 Lakeshore Rd - Phase 2 from Townline Rd to Four Mile Creek Rd	This project will include road reconstruction and drainage improvements.	Construction anticipated in 2021.
RR87 Lakeshore Rd - MUP from Townline Rd to Four Mile Creek Rd	This project will investigate the feasibility of a Multi-Use Path.	Engineering studies to commence in 2021.
RR89 Glendale Ave Interchange at the QEW	This project will construct an MTO diverging diamond on Glendale Ave, a roundabout on Glendale Ave at York Rd as well as the extension of a channelized lane from the northbound off ramp to Airport Rd.	Detailed design is currently underway. Construction anticipated in 2021.
RR89 Glendale Ave from Welland Canal to Homer Rd	This project will include road reconstruction as well as provide a new Multi-Use Path.	Detailed design is currently underway. Construction anticipated in 2023.
RR89 Glendale Ave Bridge (089215) over Seaway Haulage Rd 0.60 km East of Welland Canal and Glendale Ave Twin Culverts (089305) 0.60 km East of Welland Canal	This project will rehabilitate the existing Glendale Ave structure (089215) and include replacements of the bridge deck, construct new sidewalks and waterproof and pave the bridge deck. This project will also replace the Glendale Ave Twin Culverts.	Preliminary design is currently underway. Construction anticipated in 2023.

*Please note project timing is subject to change based on future Capital funding approval.

**Niagara Region Transportation Capital Project Update
for the
Town of Pelham**

2021-05-20

Project Name and Location	Project Overview	Project Stage
RR54 Rice Rd from Merritt Rd to Thorold Rd	The EA for this project will be initiated in conjunction with the EA for the Merritt Rd Extension project in the City of Thorold. This project will investigate corridor expansion and intersection improvements along Rice Rd and Merritt Rd.	EA to commence in 2021. Construction anticipated in 2025.
RR529 Effingham St from Webber Rd to River Rd	This project will include road reconstruction and provide active transportation.	Detailed design is currently underway. Construction anticipated in 2021.

*Please note project timing is subject to change based on future Capital funding approval.

**Niagara Region Transportation Capital Project Update
for the
Town of Port Colborne**

2021-05-20

Project Name and Location	Project Overview	Project Stage
RR3 Main St E from Hwy 140 to Barber Rd	This project will include road reconstruction and provide active transportation.	Detailed design to commence in 2022.
RR98 Wilhelm Rd from Hwy 3 to Forks Rd	This project will include road resurfacing and culvert maintenance.	Construction to begin in spring 2022.

*Please note project timing is subject to change based on future Capital funding approval.

**Niagara Region Transportation Capital Project Update
for the
City of St. Catharines**

2021-05-20

Project Name and Location	Project Overview	Project Stage
RR56 Burleigh Hill from Wardale Dr to RR71 St. David's Rd	This project will investigate the feasibility of a capacity expansion on Burleigh Hill.	EA to commence in 2021. Construction anticipated in 2023
RR87 Main St Locke St to Ann St	This project will include road reconstruction, urbanization and provide active transportation.	EA is underway. Construction anticipated in 2022
RR34 Seventh St Bridge 0.16 km North of RR 77 4th Ave Louth	This project will rehabilitate the existing structure.	Detailed design is underway. Construction anticipated in 2022
RR38 JR Stork Bridge (038205) 1.10 km North of QEW	This project will include the replacement of the structure and provide active transportation.	Detailed design is underway. Construction anticipated in 2022
RR42 Ontario St from Lakeshore Rd to Linwell Rd	This project will include road reconstruction, urbanization and provide active transportation.	Detailed design is currently underway. Construction anticipated in 2023.
RR48 Niagara St from Carlton St to Scott St	This project will include road reconstruction, urbanization and provide active transportation.	Detailed design is currently underway. Construction anticipated in 2024.
RR83 Carlton St at Geneva St	This project will provide intersection improvements that will include a new southbound left turn lane.	Detailed design is currently underway. Construction anticipated in 2021.
RR87 Lakeshore Rd West Third St to Seventh St	This project will include road reconstruction, storm sewer and drainage improvements and provide active transportation.	Detailed design is underway. Construction anticipated in 2022
RR87 Frank E Weir (087205) 0.18 km West of Michigan Ave and Lakeport Rd Bridge (087210) 0.02 km West of Michigan Ave	This project will rehabilitate the existing structures.	Preliminary design is currently underway. Construction anticipated in 2022.
RR89 Glendale Ave from Welland Canal to Homer Rd	This project will include road reconstruction as well as provide a new Multi-Use Path.	Detailed design is currently underway. Construction anticipated in 2024.
RR89 Glendale Ave Bridge (089215) over Seaway Haulage Rd 0.60 km East of Welland Canal and Glendale Ave Twin Culverts (089305) 0.60 km East of Welland Canal	This project will rehabilitate the existing Glendale Ave structure (089215) and include replacements of the bridge deck, construct new sidewalks and waterproof and pave the bridge deck. This project will also replace the Glendale Ave Twin Culverts.	Preliminary design is currently underway. Construction anticipated in 2023.
RR38 Martindale Rd from Barton St to RR77 Fourth Ave	This project will include capacity expansion and road reconstruction as well as provide active transportation. This project will also construct a twin structure over Hwy 406 to RR77 Fourth Ave.	Construction underway. Anticipated completion in Spring 2021
RR71 St. David's Rd from Hwy 406 to Burleigh Hill	This project will include road reconstruction, urbanization and provide active transportation.	Construction completion anticipated in 2021.

*Please note project timing is subject to change based on future Capital funding approval.

**Niagara Region Transportation Capital Project Update
for the
City of Thorold**

2021-05-20

Project Name and Location	Project Overview	Project Stage
RR37 Merritt Rd from Niagara St to Rice Rd	The EA for this project will be initiated in conjunction with the EA for the Rice Rd Capacity Improvement project in the Town of Pelham. This project will investigate the feasibility of a new road connecting Niagara St to Rice Rd.	EA to commence in 2021. Construction anticipated in 2024.
RR20 Highway 20 Bridge (020220) over the Power Canal 1.40 km West of RR82 Allanport Rd	This project will include the replacement of the structure.	Detailed design is currently underway. Construction anticipated in 2021.
RR71 St. David's Rd from Hwy 406 to Burleigh Hill	This project will include road reconstruction, urbanization and provide active transportation.	Construction completion anticipated in 2021.

*Please note project timing is subject to change based on future Capital funding approval.

**Niagara Region Transportation Capital Project Update
for the
Town of Wainfleet**

2021-05-20

Project Name and Location	Project Overview	Project Stage
RR45 Creek Rd from RR4 Wellandport Rd to RR63 Canborough including Oswego Creek Bridge (045205)	Phase 1 of this project will see the replacement of Oswego Creek Bridge (045205) and surrounding road works. Phase 2 will include road reconstruction, drainage and sightline improvements as well as provide for active transportation.	EA completed in 2020. Detailed design underway. Construction of Phase 1 anticipated in 2022.

*Please note project timing is subject to change based on future Capital funding approval.

**Niagara Region Transportation Capital Project Update
for the
City of Welland**

2021-05-20

Project Name and Location	Project Overview	Project Stage
RR27 East Main St Bridge (027225) over the railway 1.50 km West of RR84 Doan's Ridge	This project will rehabilitate the existing structure and include the replacement of the expansion joints and repairs to the superstructure and substructure.	Detailed design is currently underway. Construction anticipated in 2022.
RR50 Niagara St Bridge (050205) over the Welland River 0.32 km North of RR27 Main St	This project will include the replacement of the structure.	Detailed design is currently underway. Construction anticipated in 2022.

*Please note project timing is subject to change based on future Capital funding approval.

**Niagara Region Transportation Capital Project Update
for the
Township of West Lincoln**

2021-05-20

Project Name and Location	Project Overview	Project Stage
RR14 Thirty Rd at Young St	This project is to investigate intersection improvements and road realignment at the intersection.	EA to commence in 2021.
RR20 Regional Road 20 - Phase 4 from South Grimsby Rd 5 to Wade Rd	This project will include road reconstruction and provide active transportation.	Detailed design is currently underway. Construction anticipated in 2022.
RR20 St. Catharine St - Phase 5 from Griffin St to Industrial Park Rd	This project will include road reconstruction and provide active transportation.	Detailed design is currently underway. Construction anticipated in 2022.
RR20 Hwy 20 CPR Subway Bridge (020215) over the railway 2.30km West of RR24 Townline Rd	This project will include the replacement of the railway structure.	Engineering studies to commence in 2021.
RR24 Victoria Ave at RR63 Canboro Rd	This project will provide intersection improvements as well as a new traffic signal installation.	Detailed design to commence in 2021. Construction anticipated in 2022.
RR63 Canborough Rd from Baldwin Rd to Coffey Bridge	This project will provide embankment stabilization and road reconstruction.	Construction is underway. Completion anticipated in spring 2021.
RR63 Canborough Rd from RR27 Wellandport Rd to the Community Centre	This project will include road reconstruction, urbanization, drainage improvements and provide active transportation.	Detailed design to commence in 2021. Construction anticipated in 2023.
RR69 Twenty Mile Rd from RR24 Victoria Ave to Mountain Rd	This project will include road reconstruction and investigate active transportation.	Detailed design to commence in 2021.

*Please note project timing is subject to change based on future Capital funding approval.