

Niagara Region Public Works Capital Projects Update

Niagara Region // September 10, 2024

PWC-C 10-2024 – Appendix 1



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Fort Erie

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Water-Wastewater	Rosehill WTP New Intake & Outfall	Due to high lake water levels impacts on the WTP, new intake and outfall to be designed.	Design	Design - 10%	Water Sustainability	Design - 40%	Rosehill WTP New Intake & Outfall
Water-Wastewater	New Fort Erie Elevated Water Tank	Design for a new ET and associated distribution and transmission system in Fort Erie.	Design	Design - 90%	Water Sustainability	Design - 100%	New Fort Erie Elevated Water Tank
Water-Wastewater	New Trunk Watermain in Central Fort Erie	Decommissioning of the Old Central Avenue Elevated Tank resulting in new trunk watermain, for adequate water supply to Central Fort Erie	Design	Design - 40%	Water Sustainability	Design - 60%	New Trunk Watermain in Central Fort Erie
Water-Wastewater	Lakeshore Road SPS Upgrades	Detailed design for a full station upgrade.	Design	Design – 90%	Wastewater Sustainability	Design – 100%	Lakeshore Road SPS Upgrade

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Waste Management	Bridge Street Drop Off Depot Improvements	Upgrades to improve customer service, reduce weight times and make operational improvements. Includes new scales, scalehouse, dump pad and access road.	Construction	Project nearing completion – 95%	Waste - Improvements	Anticipated completion in Summer 2024	<u>Catherine Habermebl</u>

Grimsby

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Transportation	Capacity Improvement of RR10 Casablanca Blvd from Main St to North Service Rd	Road reconstruction project including road widening, intersection improvements and active transportation	Design	Detailed Design 100%	Capacity Improvement	Tender	Widening of Casablanca Blvd
Transportation	Reconstruction of RR81 Main St W from Oakes Rd to Casablanca Blvd	Road reconstruction project including drainage improvements and active transportation	Design	Detailed Design 60%	Road Rehabilitation	Detailed Design 90%	Reconstruction of RR81 Main St W
Transportation	Reconstruction of RR81 Main St Phase 1 from DSBN HS to Park Rd N	Road reconstruction project including urbanization and active transportation	Design	Project Initiation	Road Rehabilitation	Detailed Design	Frank Tassone

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Water-Wastewater	New Trunk Watermain from Grimsby WTP to Parkridge Reservoir	Environmental Assessment for new high-pressure feeder main from the Grimsby WTP High Lift Pump Station to the new Parkridge Reservoir.	Study	Study	Water Capacity Upgrade	Field Investigations, Study continuation	<u>New Trunk Watermain from Grimsby WTP to Parkridge Reservoir</u>

Lincoln

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Transportation	Reconstruction of RR81 King St from Durham Rd to Lincoln Ave	Road reconstruction project including drainage improvements, intersection improvements and active transportation	Design	Detailed Design 90%	Road Rehabilitation	Detailed Design 100%	Reconstruction of King St
Transportation	Reconstruction of RR81 King St from Vinehaven Trail to 23rd St	Road reconstruction project including road widening, intersection improvements and active transportation	Design	Detailed Design 60%	Road Rehabilitation	Detailed Design 90%	Reconstruction of King St
Transportation	Replacement of 20 Mile Arch Bridge (081210)	Full Bridge Replacement	Design	Detailed Design 90%	Structural Rehabilitation	Detailed Design 100%	20 Mile Arch Bridge

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Water-Wastewater	Laurie Ave Sewage Pump Station & Forcemain	The Sewage Pumping Station (SPS) was identified as a growth-driven capacity upgrade and includes the design and construction approximately 850m of forcemain.	Design	Design – 100%	Wastewater Capacity Upgrade	Tendering	Phill Lambert
Water-Wastewater	Ontario Street Watermain Replacement	Replacement of 1.7km of transmission watermain on Ontario Street between Greenlane & King Street.	Construction	Construction	Water Sustainability	Construction Continues	Ontario Street WM Replacement

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Water-Wastewater	Victoria Avenue Watermain	Replacement of 900m of transmission watermain on Victoria Avenue between King Street and Moyer Road in the Town of Lincoln	Construction	Construction	Water Sustainability	Construction continues	Victoria Avenue Watermain
Waste Management	Quarry Road Landfill Leachate Management System (LMS)	Replacement of a the current LMS with a new re-designed system that will better treat impacts to receiving water body	100% Design	100% Design	Tender and Construction	Tendering Fall 2024	Catherine Habermebl

Niagara Falls

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Transportation	Intersection Improvement at RR57 Thorold Stone Rd and Dorchester Rd	Intersection Improvement project including turning lane modifications and active transportation	Study	Project Initiation	Intersection Improvement	EA	Frank Tassone
Transportation	Reconstruction of RR20 Lundy's Lane from Montrose Rd to Highland Ave	Road reconstruction project including intersection improvements and active transportation	Study	EA	Road Rehabilitation	Detailed Design	Reconstruction of Lundy's Lane
Transportation	New Road RR57 Thorold Stone Road - Roundabout to Existing Limit	New road construction including active transportation	Design	Detailed Design 30%	Capacity Improvement	Detailed Design 60%	Road Extension of Thorold Stone Rd

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Transportation	Capacity Improvements of RR49 McLeod Rd Phase 2 Hydro Canal (HEPC) to Wilson Cr	Road reconstruction project including road widening, intersection improvements and active transportation	Design	Detailed Design 90%	Capacity Improvement	Detailed Design 100%	Reconstruction of McLeod Rd
Transportation	Reconstruction of RR43 Bridge St from Victoria Ave to Erie Ave	Road reconstruction project including road widening and active transportation	Design	Project Initiation	Road Rehabilitation	Detailed Design	Reconstruction of Bridge St
Transportation	Rehabilitation of Hydro Canal North Bridge (020230)	Bridge Rehabilitation	Design	Tender	Structural Rehabilitation	Construction	Frank Tassone

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Transportation	Capacity Improvement of RR98 Montrose Rd Phase 1 from Lyons Creek Rd to Grassy Brook Rd	Road reconstruction project including road widening, intersection improvements and active transportation	Construction	Construction	Capacity Improvement	Construction Continues	Reconstruction of Montrose Rd
Water-Wastewater	South Niagara Falls Trunk Sewer	Detailed design for a new trunk sewer from the existing South Side HL to the new South Niagara WWTP	Study	Study	Wastewater Sustainability	Study continues	Phill Lambert
Water-Wastewater	New Niagara Falls Elevated Tank	Environmental Assessment and Land Acquisition for the replacement of the Lundy's Lane ET with a new ET	Study	Study	Wastewater Sustainability	Study continues	New Niagara Falls Elevated Tank

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Water-Wastewater	New South Niagara WWTP	Design for a new WWTP in south Niagara to accommodate anticipated growth.	Design	RFP Award	Wastewater Capacity Upgrade	Design 10%	New South Niagara WWTP
Water-Wastewater	Rolling Acres PS and FM Upgrades	Detailed design for a full station upgrade and forcemain replacement	Design	Design – 90%	Wastewater Sustainability	Design – 100%	Rolling Acres PS and FM Upgrades
Water-Wastewater	Niagara Falls WTP Temporary Intake	Detailed design to accommodate poor water quality and flows due to OPG operations, a new intake is required	Design	Design – 40%	Water Sustainability	Design – 60%	Niagara Falls WTP Temporary Intake
Water-Wastewater	Thundering Waters Sewer Rehabilitation	Rehabilitation of approximately 1.8kms of 1200mm diameter sewer including manholes	Construction	Construction	Wastewater Capacity Upgrade	Construction begins	Phill Lambert

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Water-Wastewater	Niagara Falls WWTP Secondary Treatment Upgrades	Detailed design and construction to implement a solution to better suit the conditions and configuration of the WWTP and ensure compliance of effluent criteria	Construction	Construction	Wastewater Sustainability	Construction continues	Phill Lambert
Waste Management	Mountain Road Leachate Collection System (LCS) Upgrades	Improvements to the LCS to enhance functionality and avoid potential impacts to the environment.	Design	Design - 90%	Waste - Improvements	Design 100% and Tendering Winter 2024	Catherine Habermebl

Niagara-on-the-Lake

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Transportation	Reconstruction of RR61 Townline Rd from RR102 Stanley Ave to RR100 Four Mile Creek Rd	Road reconstruction project including intersection improvements and active transportation	Study	Study Complete	Road Rehabilitation	Detailed Design	Frank Tassone
Transportation	Reconstruction of RR55 Niagara Stone Rd (Phase 1) from Four Mile Creek Rd to Line 1 Rd	Road reconstruction project including intersection improvements and active transportation	Construction	Construction	Road Rehabilitation	Warranty	Reconstruction of Niagara Stone Rd
Transportation	Reconstruction of RR55 Niagara Stone Rd (Phase 2) from Line 1 Rd to East West Line	Road reconstruction project including intersection improvements and active transportation	Design	Detailed Design 90%	Road Rehabilitation	Detailed Design 100%	Reconstruction of Niagara Stone Rd

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Water-Wastewater	York Road W/M Replacement	Design for the replacement of 3km of existing ductile iron watermain with new PVC watermain	Design	Design 90%	Water Sustainability	Design 100% / Tendering	York Road W/M Replacement

Pelham

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Transportation	Capacity Improvement of RR37 Merritt Rd from Hwy 406 to Rice Rd	Road reconstruction project including new road from Cataract Rd to Merritt Rd, road widening, intersection improvements and active transportation	Study	EA Review Period	Capacity Improvement	EA Complete	Reconstruction of Merritt Rd
Transportation	Capacity Improvement of RR54 Rice Rd from Merritt Rd Quaker Rd	Road reconstruction project including road widening, intersection improvements and active transportation	Study	EA Review Period	Capacity Improvement	EA Complete	Reconstruction of Rice Rd

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Water-Wastewater	New Pelham Elevated Tank EA	New ET is required in Pelham. The existing Pelham ET will be decommissioned and demolished post construction of new ET.	Design	RFP Awarded	Water Compliance	Design 10%	<u>New Pelham Elevated Tank EA</u>

Port Colborne

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Water-Wastewater	Eastside SPS Forcemain Replacement EA & Conceptual Design	FM crossing beneath Seaway canal to facilitate development of the east side of Port Colborne. Full forcemain. Partnership with the City of Port Colborne	Design	Detailed 10%	Wastewater Sustainability	Design – 40%	Eastside SPS Forcemain Replacement EA & Conceptual Design
Water-Wastewater	Port Colborne City Hall SPS and Forcemain Upgrade	Design and construction for the replacement of existing cast iron forcemain with new PVC forcemain.	Design	Design – 60%	Wastewater Sustainability	Design – 90%	City Hall SPS and Forcemain Upgrade

St. Catharines

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Transportation	Reconstruction of RR42 Ontario St from Linwell Rd to Welland Ave	Road reconstruction project including intersection improvements and active transportation	Study	PIC 1	Road Rehabilitation	PIC 2	Reconstruction of Ontario St
Transportation	Reconstruction of RR72 Louth St from RR81 St. Paul St W to Crestcombe Rd	Road reconstruction project including urbanization, intersection improvements and active transportation	Study	PIC 3	Road Rehabilitation	Detailed Design RFP	Reconstruction of Louth St
Transportation	Reconstruction of RR48 Niagara St from Carlton St to Scott St	Road reconstruction project including urbanization and active transportation	Design	Detailed Design 60%	Road Rehabilitation	Detailed Design 90%	Reconstruction of RR48 Niagara St from Carlton St to Scott St

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Transportation	Replacement of St. Paul W CNR Bridge (081215)	Bridge Replacement	Construction	Tender	Structural Rehabilitation	Construction	Replacement of St. Paul W CNR Bridge
Transportation	Replacement of JR Stork Bridge (038205)	Bridge Replacement	Design	Detailed Design 90%	Structural Rehabilitation	Detailed Design 100%	Replacement of JR Stork Bridge
Transportation	Rehabilitation of Seventh St Bridge (034205)	Bridge Rehabilitation	Construction	Tender	Structural Rehabilitation	Construction	Frank Tassone
Transportation	Reconstruction of St. Catharine's Go Station Road Network	Reconstruction project to include site works, parking lot and bus loops	Construction	Tender	Road Rehabilitation	Construction	Reconstruction of St. Catharines Go Station
Transportation	Reconstruction of RR42 Ontario St from Lakeshore Rd to Linwell Rd	Road reconstruction project including urbanization, intersection improvements and active transportation	Construction	Construction	Road Rehabilitation	Warranty	Reconstruction of Ontario St

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Water-Wastewater	Port Dalhousie WWTP Upgrades - Contract 1	Facility upgrade including, Aeration, SCADA controls, replacement of control valves and decommissioning of existing buildings, mechanical and electrical infrastructure	Construction	Warranty ongoing	Wastewater Sustainability	Warranty continues	Port Dalhousie WWTP Upgrades - Contract 1
Water-Wastewater	DeCew WTP Plant 3 Contract 2	New superstructure above the flocculation and settling tanks and filter building including new HVAC, electrical, upgrades to low-lift Pumping station	Construction	Construction ongoing	Water Sustainability	Construction continues	Phill Lambert

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Waste Management	Glenridge – Passive Gas System	Construction of a passive gas venting system and sheet pile wall to mitigate off-site migration of landfill gas that has been observed on the east and south property boundaries	Construction	Construction	Waste - Improvements	Anticipated Completion Winter 2024	Catherine Habermebl
Waste Management	Glenridge Leachate Collection System (LCS) Header Replacement	Stormwater management system improvements and installation of pumping station to improve function of LCS.	Construction	Project is 90% complete	Waste - Improvements	Anticipated Completion during Summer 2024	Catherine Habermebl

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Waste Management	Glenridge Aging Feature Rehabilitation (under Annual Miscellaneous Enhancements and Replacements)	Repair of on-site structures and bridges that are over 20 years old and in need of minor structural repairs.	Completed	Warranty	Waste – Rehabilitation	Warranty	<u>Catherine Habermebl</u>

Thorold

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Transportation	Capacity Improvement of RR37 Merritt Rd from Hwy 406 to Rice Rd	Road reconstruction project including new road from Cataract Rd to Merritt Rd, road widening, intersection improvements and active transportation	Study	EA Review Period	Capacity Improvement	EA Complete	Reconstruction of Merritt Rd
Water-Wastewater	Beaverdams SPS Upgrade & Forcemain Replacement	The Beaverdams SPS was identified for a capacity upgrade.	Construction	Construction ongoing	Wastewater Capacity Upgrade	Construction continues	Beaverdams SPS Upgrade & Forcemain Replacement

Wainfleet

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Transportation	Replacement of Oswego Creek Bridge (045205)	Full Bridge Replacement	Construction	Tender	Structural Rehabilitation	Construction	<u>Oswego Creek Bridge</u>

Welland

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Transportation	Capacity Improvement of RR37 Merritt Rd from Hwy 406 to Rice Rd	Road reconstruction project including new road from Cataract Rd to Merritt Rd, road widening, intersection improvements and active transportation	Study	EA Review Period	Capacity Improvement	EA Complete	Reconstruction of Merritt Rd
Transportation	Capacity Improvement of RR54 Rice Rd from Merritt Rd Quaker Rd	Road reconstruction project including road widening, intersection improvements and active transportation	Study	EA Review Period	Capacity Improvement	EA Complete	Reconstruction of Rice Rd

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Water-Wastewater	Bemis Park Elevated Tank Environmental Assessment	Existing tank slated for replacement, EA addresses deficiencies related to future storage requirements and pumping capacity to ensure adequate sizing of future ET.	Study	EA Ongoing	Water Compliance	EA Continues	Bemis Park Elevated Tank
Water-Wastewater	Welland WTP Transmission Main - Welland Canal Crossing	New water main crossing Welland Recreational Canal, included in works is Merritt Street rehabilitation of road with City of Welland	Design	Design – 100%	Water Capacity Upgrade	Tendering	Welland WTP Transmission Main - Welland Canal Crossing

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Water-Wastewater	Quaker Road Trunk Main	Design and construction of 600m of sanitary gravity sewer on Quaker Road from Pelham Street to Rice Road	Construction	Construction ongoing	Wastewater Capacity Upgrade	Construction continues	Quaker Road Trunk Main
Waste Management	Humberstone Landfill Lighting Upgrades (under Good State of Repair)	Review of and possible upgrades to lighting at the sites	Study	RFSQ Development	Waste - Improvements	Issuance of RFP in Fall 2024	Catherine Habermebl
Waste Management	Humberstone Drop Off Depot Improvements	Addition of bypass lane with gate, additional lane traffic lane and drainage improvements	Complete	Warranty	Waste – Improvements	Warranty	Catherine Habermebl

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Waste Management	Humberstone - Paving Upgrades	Paving of entrance and roadway leading to the scales and new bypass road	Construction	Expected to Start August 2024	Waste - Rehabilitation	Anticipated Completion during Summer 2024.	<u>Catherine Habermebl</u>

West Lincoln

Division	Project Name	Project Description	Stage	Progress	Service & Program	Next Steps	Webpage Link / Contact
Transportation	Reconstruction of RR20 West St Phase 4 from South Grimsby Rd 5 to Wade Rd	Road reconstruction project including urbanization and active transportation	Design	Tender	Road Rehabilitation	Construction	Reconstruction of West St
Transportation	Reconstruction of RR69 Twenty Mile Rd from RR24 Victoria Ave to Rosedene Rd	Road reconstruction project including active transportation	Design	Detailed Design 90%	Road Rehabilitation	Detailed Design 100%	Frank Tassone
Waste Management	Niagara Road 12 Landfill Lighting Upgrades (under Good State of Repair)	Review of and possible upgrades to lighting at the sites.	Study	RFSQ Development	Waste – Improvements	Issuance of RFP in Spring 2024	Catherine Habermebl
Waste Management	Niagara Road 12 Drop Off Depot Improvements	Construction of new dump pad and road improvements.	Completed	Warranty	Waste - Improvements	Warranty	Catherine Habermebl

Glossary

Division	Term	Acronym	Definition
WWW	Water Treatment Plant	WTP	Water Treatment Plant
WWW	High-Lift	HL	Large pumps that operate under high pressure
WWW	Trunk Main	TM	Potable water distribution pipes carrying a significant amount of water at high pressure. (Linear works)
WWW	Watermain	WM	Potable water distribution pipes carrying less water than a Trunk Main
WWW	Elevated Tank	ET	Used to store potable drinking water within a designated area or community. Elevated tanks allow the natural force of gravity to produce consistent water pressure throughout the system
WWW	Wastewater Treatment Plant	WWTP	Wastewater Treatment Plant
WWW	Biosolids	BS	Organic matter recycled from sewage.
WWW	Sewage Pump Station	SPS	Local infrastructure to convey effluent to central collection points.
WWW	Forcemain	FM	Wastewater distribution pipes carrying waste under pressure to central locations. (Linear works)

Division	Term	Acronym	Definition
WWW	Lagoon	L	A large pond-like basin, into which wastewater flows for storage and treatment.
WWW	Capacity Upgrade	-	Design of new or upgrade of existing facilities to accommodate growth
WWW	Sustainability Upgrade	-	Design of new or upgrade of existing facilities to continue operations.
Transportation	Regional Road	RR	Regional Road
All Divisions	Environmental Assessment	EA	An environmental assessment is a process to identify, predict and evaluate the potential environmental effects of a proposed project
All Divisions	Public Information Centre	PIC	Public Information Centre means an open meeting to which all members of the public are invited
All Divisions	Request for Proposal	RFP	A request for proposal is a procurement document that announces and describes a project or purchase request