

Public Works

Capital Project Update Report | Q2 2024



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TRANSPORTATION

- Roads, Bridges & Culverts
- Roads (arterials, collectors, local, curb, gutters), sidewalks, auxiliary structures (gates, streetscapes, etc.) & bridges



Overview

Progress

Next Steps

Project #01: Road Rehabilitation and Resurfacing Program

Project Duration: Q2 2024 - Q4 2024

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| <ul style="list-style-type: none"> • The Town's road network is a municipal core asset, supporting the economic, social and environmental health, as well as growth of the community. This program aims to be proactive with improving and maintaining the Town's Overall Road Condition Level of Service. Pavement preservation and resurfacing strategies focus on "keeping the good roads good" and include crack sealing, hot mix asphalt paving, bonded wearing course overlays, and surface treatment (tar and chip). Pavement preservation and resurfacing treatments extend the service life of the road, helping to delay the need for more costly rehabilitation work. • Rehabilitation work focuses on addressing roads in poor condition utilizing different types of road base strengthening strategies. • Visit Lincoln.ca for the list of roads in this program. | <ul style="list-style-type: none"> • 2024 Road Resurfacing and Rehabilitation is near completion. • 2023 carryover surface treatment work and line painting has been completed. | <ul style="list-style-type: none"> • Monitor 2023 surface treatment during maintenance period. • Monitor 2024 road rehabilitation during maintenance period. • Prepare crack seal contract to issue in Q3. • Prepare the asphalt spot repair contract to be issued in Q3. |
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Overview	Progress	Next Steps
Project #02: Sidewalk Construction & Design		
Project Duration: Q2 2024 - Q3 2024		
<ul style="list-style-type: none"> The Town of Lincoln supports walking as an important mode of transportation that provides health, environmental and economic benefits to residents. The intent is to improve pedestrian safety and improve connectivity for all sidewalk users. An important element of supporting and encouraging walking is making residents feel comfortable and safe using Town sidewalks. 	<ul style="list-style-type: none"> The sidewalk tender has been awarded to Avion Construction Group Inc. Hixon Street and Mountain Street sidewalk construction is underway. Issued purchase order for the Enbridge Gas utility relocation work in preparation for the future project of upgrading the section of sidewalk along the south side of King Street from Hillview Drive to Stadelbauer Drive. Town staff have been in collaboration with the Downtown Bench Beamsville BIA regarding the King Street sidewalk design plan. 	<ul style="list-style-type: none"> Enbridge has tentatively scheduled the gas relocation works for the King Street sidewalk at the end of Q3 2024. Finalize design plans for the King Street from Hillview Drive to Stadelbauer Drive sidewalk upgrade and the Stadelbauer Drive curb modifications south of King Street in Q3 2024.
Project #03: Right of Way Bridge & Culvert Program		
Project Duration: Q1 2024 - Q4 2024		
<ul style="list-style-type: none"> This program is to ensure that the Town's bridge and culvert assets are maintained in a safe state of repair to protect and prolong the useful life of the structures and identify any maintenance, repair, and rehabilitation needs. Maintaining bridges and culverts will also allow for the proper conveyance of surface water drainage to reduce potential flooding impacts to surrounding roads and properties. The 2024 program includes rehabilitation work on three large culverts and culvert cleaning. Annual monitoring and inspections of three pedestrian bridges and a gabion wall. The program includes the regulated bi-annual comprehensive inventory and structural inspections of all road bridges and culverts. 	<ul style="list-style-type: none"> Inspection of the three pedestrian bridges located in park open spaces has been completed. RFP for design of Tamarac Avenue and West Avenue pedestrian bridges currently out for bid submissions. Gabion wall monitoring on the Ninth Street bridge was completed in the spring. Rehabilitation has been completed on the three large culverts. 2024 Regulatory Bi-Annual Ontario Structural Inspection Manual (OSIM) bridge inspections have been completed. Design recommendation has been completed and permit has been obtained for the cleaning of the three box culverts on Twenty-First Street. 	<ul style="list-style-type: none"> Complete the second phase of monitoring for the gabion retaining wall in Q3 2024. Award the design of the two pedestrian bridges in Q3. Complete in water erosion protection works on Dutch Lane and Bennett Road in Q3. Obtain formal quotations and award contractor for the cleaning of three box culverts on Twenty-First Street in Q3, allowing cleaning to be completed during the 'in-water works' timing window in Q3.

Overview

Progress

Next Steps

Project #04: Roadside Safety Program

Project Duration: Q2 2024 - Q4 2024

- The Roadside Safety Program will establish a continued and consistent focus on vehicular and pedestrian safety in Lincoln.
- The 2024 program focuses on crosswalk safety, speed humps, digital feedback signs, guiderail improvements, and other traffic calming strategies to address speeding concerns.



Traffic Calming Highlights

- 2024 Traffic Safety Programs for both the Black Cat radar device speed studies and the digital feedback signs are underway.
- John Street (Ontario Street to Bartlett Road) Traffic Calming Construction has been awarded to Niagara Concrete Canada.
- All traffic calming devices (temporary reboundables and speed humps) have been installed.
- John Street Traffic Calming Construction to commence early Q3.
- The final phase of the 40km/h Speed Reduction installation is underway.
- Monitor Stadelbauer Drive and Connor Drive Traffic Calming construction works that were implemented in 2023 through the warranty maintenance period.
- Monitor the Frederick Avenue and John Charles Boulevard all-way and sidewalk improvement works that were implemented in 2023 through the warranty maintenance period.

Guiderails

- Twenty-First Street new guiderail located between First Avenue and Second Avenue has been installed.
- Operations Staff to install missing delineators identified in the 2023 Guiderail Assessment starting in Q3.



Overview

Progress

Next Steps

Project #05: Truck Bypass Camera Monitoring Pilot Program

Project Duration: 2024 - 2025

- Implement a camera monitoring pilot program to help with improved monitoring and enforcement of truck traffic bypassing the QEW inspection station located between Vineland and Beamsville.
- The Town is leading this pilot initiative in partnership with the MTO and the Niagara Region to help improve monitoring and enforcement of truck bypass traffic avoiding the QEW inspection station.
- The Town's service providers of innovative camera technology (Rogers and Caliber) continue to tailor and refine programming needs in response to feedback from the MTO enforcement team. This includes training the custom AI Model to improve detection rates and blurring vehicle cabins for privacy compliance.
- Based on MTO enforcement feedback, the pilot program has been expanded to include an additional camera and traffic counter device.
- The pilot program now includes:
 - » Three cameras; one located on the North Service Road (165m east of Victoria Avenue) and two located on King Street (one 85m west of Victoria Avenue and one 55m east of Twenty-Third Street).
 - » Two traffic counter devices – one on Greenlane Road west of Victoria Avenue, and one on Jordan Road south of the QEW – to monitor and collect truck traffic data.
- Continue to debrief regularly with the MTO Enforcement Team, Rogers, and Caliber on the systems, and identify any refinement needs as required.
- Continue to retrieve monthly data on the number of trucks being captured from all three cameras to develop trends for truck traffic bypassing.
- Continue to collect data on Greenlane west of Victoria Avenue, and on Jordan Road south of the QEW, to develop trends for truck traffic bypassing.
- MTO to organize future truck safety blitzes.



Overview

Progress

Next Steps

Project #06: Jordan Village Improvement Project

Project Duration: 2012 - 2024

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| <ul style="list-style-type: none">• The Jordan Village Improvement Project is a multi-year reconstruction project that involves all of Jordan Village north of King Street.• The main drivers for this project from transportation and safety perspectives have been intersection safety at the King Street/Main Street/Nineteenth Street intersection, and increased pedestrian connectivity throughout the community.• The design vision for this project is to create a destination for residents, businesses, and tourists by building a connected and beautified neighbourhood that focuses on complete streets, tree canopy, landscape appeal, and local heritage. <h4>Key Project Elements</h4> <ul style="list-style-type: none">• New signalized intersection at King Street and Nineteenth Street• Pedestrian square at Main Street and King Street• Integration with new Lincoln Museum and Cultural Centre and existing commercial district• Increased neighbourhood appeal through landscaping and roadway pavers• Focus on investing in the local tree canopy• Wayfinding pillars and signage• Improved decorative streetlighting• Dedicated cycling facilities and increased pedestrian connectivity• Community parking lot and arrival zone | <ul style="list-style-type: none">• Construction of Phase 1 (Wismer Street) is near completion.• Construction of Phase 2 (Nineteenth Street from Fourth Avenue to Snure Lane) is near completion.• Construction of Phase 3 (Snure Lane) is near completion.• Construction of Phase 4 (Main Street) is near completion.• Construction of Phase 5 (King Street) is ongoing.• Construction of the Public Parking is near completion.• Museum Courtyard improvements are complete.• The Town has received multiple awards and/or grants including<ul style="list-style-type: none">» Niagara Region - PRIP Funding» Greenbelt Foundation - Soil Cells and Urban Canopy» Great Lakes and St. Lawrence Cities Initiative - Wege Award for LID practices» Transportation Association of Canada - Achievement Award | <ul style="list-style-type: none">• The Project Team will continue to proactively communicate with residents and businesses throughout the duration of this project.• Phase 5 (King Street intersection signalization) to be completed in Summer 2024.• Continue to pursue all funding opportunities available.• Collaborate with the Town's Economic Development team and external stakeholders to develop project opening initiatives and pursue community programming opportunities. |
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Overview	Progress	Next Steps
Project #07: Greenlane Road Reconstruction (King Street to Bartlett Avenue) Phase 1 (King Street to Konkle Creek)		
Project Duration: 2019 - 2026 (Phase 1B Construction TBD)		
<ul style="list-style-type: none"> Phase 1 of this project involves widening and reconstructing the rural section of Greenlane from Lincoln Avenue to King Street to new rural standards. This section of road is also proposed to include separate cycling and pedestrian facilities in the form of an in-boulevard multi-use path which will continue along King Street and connect to the new West Niagara Secondary School. A key linkage to the new Konkle Creek multi-use trail entrance on Greenlane is also required to support active transportation connectivity. Therefore, Phase 1 works also includes upgrading Greenlane to a full urban standard east of Lincoln Avenue to the new Konkle Creek multi-use trail connection. As part of the Town's capital plan remapping review, and due to the scale and cost of this project, it has been decided to divide Phase 1 into two smaller projects, Phases 1A and 1B. Phase 1A is proposed to be constructed in 2025 and will be the highest priority link between the Konkle Creek Trail and Lincoln Avenue and includes watermain construction. Phase 1B is the remaining rural section between Lincoln Avenue and King Street and has been deferred until further funding can be secured. 	<ul style="list-style-type: none"> Design plans are near completion for the rural road section from Lincoln Avenue to King Street. Public online engagement was completed April 7, 2022. However, staff intend to engage with residents again in Q3 2024 prior to construction to ensure the overall plan for Greenlane has been communicated to the affected residents. To minimize disruption to the community, construction timing for Phase 1A is planned to be staged following the Lincoln Avenue Reconstruction project in 2025. As part of the Regional King Street project, the Town, in partnership with the Niagara Region, also plans to include a new separated multi-use pathway connection from Greenlane along King Street to the new West Niagara Secondary School. 	<ul style="list-style-type: none"> Modify design based on resident feedback. Finalize detailed design package including the expanded road section of Greenlane east of Lincoln Avenue to the new Konkle Creek multi-use trail connection in 2024. Continue to communicate with the community in 2024 and conduct a second Public Information Centre (PIC) in Q3 2024 to share the updated design plans. The construction of Phase 1A is planned to occur in 2025.



Overview	Progress	Next Steps
Project #07: Greenlane Road Reconstruction (King Street to Bartlett Avenue) Phases 2 & 3 - (Konkle Creek Trail to Bartlett Road)		
Project Duration: 2023 - 2032		
<ul style="list-style-type: none"> Greenlane within the urban boundary of Beamsville (Konkle Creek multi-use trail to Bartlett Road), is experiencing significant infill development growth. As a result, this roadway will need to be upgraded to a full urban standard that supports the complete streets approach by providing dedicated space for all modes of transportation. Given the scope of the anticipated upgrades, this project includes completing a Schedule “C” Environmental Assessment (EA) Study in advance of the detailed design phase. 	<ul style="list-style-type: none"> Schedule ‘C’ EA is currently underway. The first point of public engagement was held February 22, 2024. Preliminary design concepts have been developed. Coordinating with the Niagara Region around future Ontario Street improvements in the area, specifically the intersection at Greenlane. 	<ul style="list-style-type: none"> The project team will determine the recommended preferred alternative and present it to the public in Q4 2024 for feedback. Subject to community engagement, the EA is expected to be completed in early Q4 2024, with detailed design of the preferred alternative to commence shortly thereafter.
Project #08: Durham Road Reconstruction		
Project Duration: 2022 - 2025		
<ul style="list-style-type: none"> The Town’s Transportation Master Plan (TMP) identified Durham Road as a key north/south transportation corridor to provide a future alternate truck route in Beamsville. The roadway will be upgraded and reconstructed to a standard that can accommodate heavy truck traffic. The road is intended to be widened with geometric improvements at the King Street and South Service Road intersections. Streetlighting upgrades, CNR crossing improvements, and wider paved shoulders will support safer active transportation in the area. 	<ul style="list-style-type: none"> Watermain work by other parties is complete. Detailed design is complete. The project was tendered under budget and was awarded to Walker Construction. Private watermain installations are complete. 	<ul style="list-style-type: none"> Construction started and will be ongoing through until mid Q4.

Overview	Progress	Next Steps
Project #09: Lincoln Avenue Road Reconstruction & Watermain Replacement (King Street to South Service Road)		
Project Duration: 2022 - 2026		
<ul style="list-style-type: none"> Lincoln Avenue, from King Street to South Service Road, is in poor condition and requires full road reconstruction to current standards, including watermain replacement and the construction of active transportation facilities. 	<ul style="list-style-type: none"> Detailed design is complete. A Public Information Centre (PIC) took place on September 27, 2023, to share detailed design plans with the community. Currently collaborating with regulatory agencies (NPCA and CN) on permitting requirements in preparation for construction. Project is currently being tendered for construction. 	<ul style="list-style-type: none"> Award tender and begin planning for construction. It is intended to align the construction start date with the completion date of the Durham Road construction project, if feasible, to limit disruption to the community and road network.
Project #10: Bartlett Road Reconstruction		
Project Duration: 2022 - 2031		
<ul style="list-style-type: none"> The Town's Transportation Master Plan (TMP) identified Bartlett Road as a key north-south transportation corridor to better manage traffic growth in the area and to provide a future alternate truck route in Beamsville. The roadway will be reconstructed to a standard that can better accommodate heavy truck traffic. The road is intended to be widened with geometric improvements at both the King Street and South Service Road intersections. Streetlighting upgrades, CNR crossing improvements, and active transportation connections will also be included in the work. 	<ul style="list-style-type: none"> Detailed design is 80% complete but cannot be finalized until after public and stakeholder engagement has been completed. Construction is currently planned to be divided into two phases, given the scope and cost of the project. Watermain construction from Hinan Drive to Union Road is complete. 	<ul style="list-style-type: none"> Significant public engagement and stakeholder consultation is required with this design process, and more information will be communicated with the public as it becomes available. As part of the Town's capital plan remapping work to manage costs and further prioritize projects, construction of Phase 1 has been deferred to 2029. As such, the project team has decided to pause this project until 2027. Beginning in 2027, consultation with stakeholders will continue and the design will be completed in preparation for tendering the construction phase, currently proposed for 2029.

Overview	Progress	Next Steps
Project #11: Aberdeen Road and Hillside Drive Reconstruction Project		
Project Duration: 2020 - 2025		
<ul style="list-style-type: none"> Aberdeen Road and Hillside Drive are in poor condition and require full road reconstruction from Ashby Drive to King Street, including active transportation improvements. 	<ul style="list-style-type: none"> Detailed design work is complete. Utility relocations are underway. The project was tendered under budget and was awarded to Walker Construction. 	<ul style="list-style-type: none"> Coordinate completion of necessary utility relocations in Q3 2024. The road reconstruction component of the project has commenced, coordinating works in parallel with utility relocation work. Continue to engage with residents and stakeholders throughout construction. Project updates (including what to expect next) will be provided to the community throughout construction at key milestones.
Project #12: Tallman Drive Realignment		
Project Duration: 2022 - 2032		
<ul style="list-style-type: none"> The Town proposed to relocate the eastern end of Tallman Drive westerly away from the ravine. The proposed work triggered a Municipal Class EA (Schedule 'B') which was completed in 2023 and confirmed that relocation of the roadway was viable and preferable. The project is now proceeding to the detailed design for construction of the project. 	<ul style="list-style-type: none"> RFP has been issued. 	<ul style="list-style-type: none"> Award RFP and commence detailed design phase in Q3 2024.
Project #13: William Street Neighbourhood Reconstruction Project		
Project Duration: 2023 - 2029		
<ul style="list-style-type: none"> William Street and surrounding neighbourhood streets (Highland Park Drive, Glenwood Drive, Robbie Burns Drive, and Charles Street) are in poor condition requiring full road reconstruction to current urban standards including new traffic calming measures and active transportation improvements. In addition, the watermain and sanitary sewer systems in this neighbourhood are old and deteriorated, requiring full replacement. This project involves preparing detailed design plans and contract documents for a phased construction implementation approach. 	<ul style="list-style-type: none"> Detailed design is currently underway. Community Investment Update has been published and delivered to residents. 	<ul style="list-style-type: none"> Design work is ongoing with public engagement planned for Q4 2024. Design anticipated to be completed in Q1 2025.

Overview	Progress	Next Steps
Project #14: Thirty Road Reconstruction		
Project Duration: 2023 - 2029		
<ul style="list-style-type: none"> Thirty Road from King Street to the south town limit requires full road reconstruction to improve road user safety, proactively address potential slope erosion concerns and accommodate increased traffic in the area. This project involves completion of the detailed design package and contract documents in advance of construction. 	<ul style="list-style-type: none"> Detailed design contract awarded, and design work is currently underway. 	<ul style="list-style-type: none"> Significant stakeholder engagement with the NEC, NPCA and the Town of Grimsby will be critical to the completion of this project, as the works are located within the NEC boundary and end at the western town limit. Design work is ongoing with public engagement planned for 2025. Design anticipated to be completed in Q1 2026.
Project #15: Frost Road Bridge Replacement		
Project Duration: 2023 - 2032		
<ul style="list-style-type: none"> The Frost Road Bridge was removed in 2019 due to its poor condition and had previously been closed to traffic approximately 17 years prior. It is proposed to evaluate cost effective design options to reinstate a future bridge crossing in consultation with stakeholders and the public. 	<ul style="list-style-type: none"> Detailed design work is complete. Online public engagement and stakeholder consultation was completed on January 12, 2024. 	<ul style="list-style-type: none"> Construction timing TBD subject to Council approval.
Project #16: Streetlight Condition Assessment		
Project Duration: Q2 2024 - Q4 2024		
<ul style="list-style-type: none"> The primary objective of this project is to help the Town gain condition data and work forecasts to develop maintenance and capital programs and address any identified immediate safety concerns. 	<ul style="list-style-type: none"> Streetlight GIS information layer finalized by consultant in late Q1 2024. 	<ul style="list-style-type: none"> Town staff to issue RFPI in late Q3 2024.

ENVIRONMENT & SAFETY

- Water and Wastewater
- Sanitary, storm & combined sewers (including manholes, catchbasins & service connections)



Overview

Progress

Next Steps

Project #17: Town Wide Sewer Rehabilitation and Replacement Program

Project Duration: Q2 2024 - Q4 2024

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| <ul style="list-style-type: none"> • This project involves sanitary sewer rehabilitation and replacements for sanitary sewers within the Beamsville area. • Required work was identified from the Town-Wide Sanitary Sewer System Condition Assessment. • This work is important to help reduce Inflow/ Infiltration (I/I) in the Town's sanitary sewer system. | <ul style="list-style-type: none"> • 2023 sewer lining and rehabilitation carry over work completed. • 2024 Inflow and Infiltration Localization and Rehabilitation Program awarded. | <ul style="list-style-type: none"> • Finalize lateral inspection contract in the Ontario Street sewershed. • Contractor to commence rehabilitation work in Q3. |
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Project #18: Stormwater Management Pond Asset Management Study

Project Duration: Q2 2024 - Q4 2024

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| <ul style="list-style-type: none"> • The Town worked collaboratively with the Town of Grimsby and the Township of West Lincoln to create a combined RFP for a joint stormwater management (SWM) pond study. • The study provided the inventory and condition inspection of all the Town's existing SWM ponds. The study also compiled and prioritized the data into a work plan for both future capital and operational maintenance needs. | <ul style="list-style-type: none"> • The final report was submitted in Q1 2024. • Storm pond rehabilitation needs have been identified. | <ul style="list-style-type: none"> • Modification design of the Ashby Pond outlet to be finalized. |
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Overview

Progress

Next Steps

Project #19: Electric Vehicle Charging Station - Pilot Project

Project Duration: 2022 - 2024

- A pilot initiative for implementing EV Chargers at various Town of Lincoln facilities.
- This pilot project involves the installation of 21 Level 2 Electric Vehicle (EV) Chargers at the new Jordan Village public parking lot, Charles Daley Park, Fleming Centre, and Town Hall.
- The Town received a grant of \$105,000 from NRCan towards the installation of 21 EV Chargers.
- Installation of all EV chargers is complete, and all units are operational.
- Council approved the project update report in Q3 2023 including the Business Model and Operational Plan, and establishment of user-fees.
- Completed line painting modifications in the spring to further improve accessibility.
- Provide Council with a status update report in Q1 2025.



Overview

Progress

Next Steps

Project #20: Lakeshore Roads and Shoreline Protection Project

Project Duration: 2023 - 2033

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| <ul style="list-style-type: none">• As a result of high-water levels and isolated flooding events during the springs of 2017 and 2019, sections of the Town shoreline have deteriorated and eroded. This has resulted in significant damage to both the road surface and foundation. During that time, voluntary emergency evacuations had to be issued to 50 of the 120 homes located along the shoreline.• In response, the Town initiated comprehensive EA Studies to develop a long-term plan to address this problem. The EA Studies identified the preferred alternatives and took into consideration climate change, active transportation, and several other environmental, social, economic, and cultural considerations. The preferred alternatives include a hybrid of roadway relocations, shoreline protection with widened roads, and do nothing.• The project includes the design and construction of Lakeshore adjacent roads/shoreline protection to address significant risks due to the erosion of the shoreline and adjacent roads.• The approved budget and 2024 work plan include:<ul style="list-style-type: none">» Phase 1 - The emergency relocation of a portion of road on Lakeside Drive that is in an extreme risk of loss.» Phase 2 - Land acquisition for Lakeshore Road east of Martin Road North which is the second priority road based on risk of loss. | <ul style="list-style-type: none">• Background studies, conceptual designs, and Environmental Assessment Studies have been finalized.• Received public and stakeholder feedback.• Continue to liaise with stakeholders.• The Town has awarded detailed design for completion of the entire project scope, including all phases.• Aerial topographic survey is completed. | <ul style="list-style-type: none">• Continue detailed design phase and actively work with affected residents to coordinate detailed design elements that impact private property.• Work with landowners to secure property acquisition for Phases 1 and 2.• Begin preparations for archaeological investigations.• Continue project communications and engagement strategy. |
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Overview	Progress	Next Steps
Project #21: Ontario Street Sanitary Sewer Upsizing and Replacement		
Project Duration: 2020 - 2025		
<ul style="list-style-type: none"> The Niagara Region is actively replacing the watermain on Ontario Street from Greenlane to King Street due to its overall age, poor condition, and break frequency. The Town is partnering with the Niagara Region on this project to incorporate required sanitary sewer capacity upsizing needs from Greenlane to King Street, in response to new development growth. The sanitary sewer upsizing construction phase is planned to be implemented as part of the Regional watermain construction work. 	<ul style="list-style-type: none"> Construction of the regional watermain portion of the project is underway. 	<ul style="list-style-type: none"> Construction is anticipated to take all of 2024 and part of 2025 to complete.
Project #22: Prudhommes and Victoria Avenue Watermain Upgrades – Construction		
Project Duration: 2017 - 2025		
<ul style="list-style-type: none"> Upgrade the municipal water servicing to support the Prudhommes Development Site. Watermain upgrades along Jordan Road from Fourth Avenue to North Service Road, and along North Service Road from Jordan Road to Victoria Avenue including the Victoria Avenue QEW crossing. 	<ul style="list-style-type: none"> Detailed design and field investigations are complete. Permitting from CNR and MTO have been approved. The Development Charge Study has been updated to reflect the increased estimated project costs. Additional project funding for 2023 construction has been approved. Project was tendered and awarded by Council on February 26, 2024. Completed and submitted application to House-Enabling Water System fund (HEWS) to secure additional funding for the project. Awaiting funding announcement. 	<ul style="list-style-type: none"> Construction will be postponed until the HEWS fund has made a decision on the Town's application.

Overview	Progress	Next Steps
Project #23: Red Maple Avenue Storm Sewer		
Project Duration: 2018 - 2024		
<ul style="list-style-type: none"> Red Maple Avenue, Bridgeport Drive, and Queen Victoria Avenue will be upgraded to a full urban standard following the completion of the Phelps' Royal Maple Development Project. In advance of the road reconstruction work, the Phelps development project requires a stormwater sewer outlet to properly manage stormwater from the new development and to ensure no negative impacts to surrounding residents. This project includes the construction of a new mainline storm sewer on Red Maple Avenue and Bridgeport Drive. 	<ul style="list-style-type: none"> Complete road restoration works in Summer 2024. 	<ul style="list-style-type: none"> Complete restoration in Spring 2024. Monitor through the maintenance period. Jordan Station Reconstruction project to commence in 2029, subject to Council approval.
Project #24: Jordan Station I/I Investigation Study		
Project Duration: 2019 - 2024		
<ul style="list-style-type: none"> Inflow/infiltration (I/I) Study to investigate and assess potential sources of extraneous flow entering the wastewater system. Develop a strategy and action plan to ultimately reduce I/I from entering the wastewater system. 	<ul style="list-style-type: none"> Continuing to monitor for an updated baseline of I/I levels. 	<ul style="list-style-type: none"> Flow monitoring results to be assessed to confirm targeted I/I removals.



Overview	Progress	Next Steps
Project #25: Inflow and Infiltration Program		
Project Duration: 2024 - 2025		
<ul style="list-style-type: none"> Through the jointly led Baker Road Wastewater Treatment Plan Pollution Prevention Control Plan (PPCP) and the Region's Water and Wastewater Master Plan Update (MSPU) (2021), existing and future capacity constraints were identified in the Ontario Street SPS sewershed. System upgrades and programs were recommended to address the existing needs and provide growth capacity. Ontario Street sewershed was identified as a critical key target area to investigate and reduce I/I. Inflow and infiltration reduction activities were recommended to address high system wet weather flows with the goal of reducing basement flooding risk and to provide additional growth capacity. Flow monitoring follow up will also be completed in the Ontario Street sewershed as part of this program to confirm previous I/I source removals. 	<ul style="list-style-type: none"> Flow monitoring work continuing into Q3. Manhole inspections were completed in priority areas in 2023. Some manhole rehabilitation completed. Application made to Niagara Region CSO Funding for 2024 program. 	<ul style="list-style-type: none"> Results of supplementary investigations to be analyzed for 2024 program. Additional manhole inspections to be completed to further target sources of I/I. Continue to rehabilitate manholes in the high priority Ontario catchment area. Flow monitoring to continue into Q3 to confirm the capacity gained from the 2023 rehabilitation works and to further target the Ontario Street sewershed.
Project #26: Hixon Street Sanitary Sewer Upgrades		
Project Duration: 2022 - TBD		
<ul style="list-style-type: none"> Development intensification in the area has triggered the need for sanitary sewer upgrades on Hixon Street from George Street and King Street. The existing sanitary sewer needs to be upsized to accommodate proposed upstream population growth. 	<ul style="list-style-type: none"> Detailed design work is near completion. Traffic calming initiatives for Hixon Street to be incorporated into this project. 	<ul style="list-style-type: none"> Project on hold for construction until required by development.

Overview	Progress	Next Steps
Project #27: Gavora Municipal Drain		
Project Duration: Q1 2024		
<ul style="list-style-type: none"> The Town received a Notice of Request for Drain Maintenance and/or Repair from the Ministry (OMAFRA) in 2022. The Town's Drainage Superintendent Engineering Consultant met with the residents and reviewed their concerns. The Drainage Superintendent recommended the Town complete maintenance on the full Gavora Drain as per the 1980 Engineer's Report. 	<ul style="list-style-type: none"> Maintenance of the Gavora Municipal Drain has been completed. Grants through OMAFRA to reduce construction costs have been submitted. 	<ul style="list-style-type: none"> Staff to develop a pay-back process for residents assessed on the Gavora Municipal Drain. Once final construction costs have been determined, staff to issue a By-law to Council to levy all costs to the properties assessed on the Gavora Municipal Drain. Communication to be sent to residents on the final payment process and the final cost of the work per property.
Project #28: Town Hall Fuel Tanks		
Project Duration: Q3 2024 - Q4 2024		
<ul style="list-style-type: none"> The existing underground fuel tanks are past their useful life cycle and require removal and replacement with above ground tanks as per the Town's insurance requirements. 	<ul style="list-style-type: none"> Consultations with the Town's Environmental Consultant have been initiated to discuss work scope. Geotechnical investigations completed in preparation for the construction work. 	<ul style="list-style-type: none"> Finalize work scope with consultant. Construction planned to commence in Q3 2024.
Project #29: Town Wide Rain Barrel and Tree Program		
Project Duration: Program to be held in early Q4		
<ul style="list-style-type: none"> Tree and rain barrel giveaway program to support our urban tree canopy and rainwater harvesting. 	<ul style="list-style-type: none"> Staff to begin conversations with distributors of both trees and rain barrels. Staff are exploring sponsorship opportunities to support costs. 	<ul style="list-style-type: none"> Program anticipated to be held in Q3 2024. Public Works to work closely with Planning and Economic Development to look at partnership and sponsorship opportunities.

Overview	Progress	Next Steps
Project #30: Greenlane Watermain Replacement (West of Victoria)		
Project Duration: 2024 - 2026		
<ul style="list-style-type: none"> The old ductile iron watermain on Greenlane from Victoria Avenue to 400m west of Victoria Avenue is nearing the end of its useful life and requires replacement. This project is planned to be designed in 2024 and constructed in 2025 to align with ICIP grant funding timelines. 	<ul style="list-style-type: none"> RFP for detailed design has been awarded Detailed design has commenced. 	<ul style="list-style-type: none"> Tender project for construction in Q4 2024 (subject to budget approval).
Project #31: Water Booster Pumps – Replacement and Upgrades		
Project Duration: Q3 2024 - Q4 2024		
<ul style="list-style-type: none"> Inspection and rebuilds of water booster pumps in Jordan on Glen Road and in Vineland on King Street. 	<ul style="list-style-type: none"> Contractors have been retained for both projects. 	<ul style="list-style-type: none"> Glen Road to be completed in Q3 Works on Vineland pumps to commence at the end of Q3.



NIAGARA REGION PROJECTS

(Transportation and Environment & Safety)

Niagara  Region

- Visit niagararegion.ca updates on Niagara Regional projects in Lincoln.



Overview

Progress

Next Steps

Project #01: King Street (Vineland) Improvements

- | | | |
|--|---|---|
| <ul style="list-style-type: none">• King Street in Vineland between Vinehaven Trail and Twenty-Third Street is to be reconstructed by the Niagara Region.• This is a joint cost share project initiative with the Town and involves significant construction work including sewer and watermain upgrades, underground hydro conversions, local drainage improvements, a fully reconstructed road surface, landscape beautification elements, streetlighting, and upgraded active transportation facilities. | <ul style="list-style-type: none">• Detailed design is ongoing and expected to be completed in 2023.• Utility relocation and underground conversion design is currently being completed by NPEI.• Town approved 2023 Budget funding for Lincoln's cost share of the utility relocation works. | <ul style="list-style-type: none">• Utility relocations completed as far as they can be until construction commences.• Complete detailed design in 2024.• Public engagement and stakeholder consultation in 2024.• The construction phase is planned for 2026. |
|--|---|---|

Project #02: King Street (Beamsville) Improvements

- | | | |
|---|---|---|
| <ul style="list-style-type: none">• King Street from Lincoln Avenue to Greenlane is being widened and reconstructed to improve safety for all road users.• There is a focus on improved intersection safety at Thirty Road and Mountainview Road.• Wider paved shoulders are proposed to further support active transportation in the area. | <ul style="list-style-type: none">• Design is near completion.• Coordinating significant utility relocations and property acquisition.• In response to feedback from residents and Council, the Region has completed a detailed traffic study assessment of the intersection of King Street and Lincoln Avenue and will install new traffic lights as part of this project scope.• Utility relocation work is underway | <ul style="list-style-type: none">• Continue with utility relocation work.• The project is planned to be tendered in Q3 2024, subject to the utility work and property acquisitions being completed. |
|---|---|---|



Overview	Progress	Next Steps
Project #03: King Street (Jordan Valley) Improvements - Schedule 'B' EA		
<ul style="list-style-type: none"> The Niagara Region is conducting a Schedule 'B' Municipal Class Environmental Assessment to develop alternatives for the inclusion of active transportation facilities and other operational improvements along King Street through the Jordan Hollow area connecting Jordan to Vineland. The Town will be a cost share partner throughout the study and design phases of this project. 	<ul style="list-style-type: none"> The second phase of public engagement was held in May 2024. 	<ul style="list-style-type: none"> Finalize study recommendations and file report for public viewing.
Project #04: Ontario Street Water Transmission Main Upgrades		
<ul style="list-style-type: none"> Replacement of the existing ductile iron Ontario Street water transmission main between Greenlane and King Street. This project is being completed in conjunction with the Town's Ontario Street sanitary sewer upgrade. 	<ul style="list-style-type: none"> Watermain replacement work is underway. 	<ul style="list-style-type: none"> Complete watermain commissioning phase of the new infrastructure. Further updates will be provided as they become available.
Project #05: Ontario Street SPS, Force Main & Trunk Sewer Upgrades		
<ul style="list-style-type: none"> The Ontario Street sanitary sewer pumping station, force main along the North Service Road and Ontario Street, and trunk sewer from Greenlane to the Ontario Street pumping station (north of the QEW) are planned to be upgraded to accommodate growth. 	<ul style="list-style-type: none"> Design is 10% complete. 	<ul style="list-style-type: none"> Design work is ongoing. Pumping station construction is scheduled for 2026.
Project #06: Greenlane Water Transmission Main Upgrades		
<ul style="list-style-type: none"> Replacement of existing ductile iron watermain between Lincoln Avenue and Ontario Street. This project is being completed in conjunction with the Town's Greenlane project. 	<ul style="list-style-type: none"> Design is initiated but on hold. Staff are waiting to finalize the design until after the Greenlane Environmental Assessment is completed (Town Project #7: Phases 2 and 3). 	<ul style="list-style-type: none"> Complete Environmental Assessment for Greenlane. Complete watermain design as part of the larger overall detailed design (Town Project #7: Phase 2 and 3). A section of this watermain will be constructed in 2025 with the Greenlane Phase 1A project between Lincoln Avenue and Cedarbrook Lane.

Overview	Progress	Next Steps
Project #07: Laurie Avenue SPS Upgrades		
<ul style="list-style-type: none"> Upgrade of the Laurie Avenue SPS to support development in the Prudhommes Secondary Plan area. 	<ul style="list-style-type: none"> Project has been tendered and awarded to Trenchline and Roads. 	<ul style="list-style-type: none"> Finalize workplan schedule and commence with construction.
Project #08: Jordan Valley SPS and Force Main Upgrades		
<ul style="list-style-type: none"> This project scope has been refined to include replacing pumps and minor structural changes within the pumping station. 	<ul style="list-style-type: none"> Design is 60% complete. Project scope has changed to a maintenance project given growth projections in the area. 	<ul style="list-style-type: none"> Complete detailed design and tender package. Construction is anticipated to commence in 2024.
Project #09: Victoria Avenue SPS and Force Main Upgrades		
<ul style="list-style-type: none"> To support development in the Jordan, Vineland, and Campden areas, and to receive additional flows from the three other SPSs undergoing increases, the Victoria Avenue SPS and associated force main require upgrades. 	<ul style="list-style-type: none"> Design is 60% complete. 	<ul style="list-style-type: none"> Construction of upgrades is currently scheduled for 2025.
Project #10: Victoria Avenue Watermain Upgrades		
<ul style="list-style-type: none"> Replacement of the existing Regional ductile iron watermain on Victoria Avenue from King Street to Moyer Road in Vineland. The replacement will be increased in size to further support redundancy to the Vineland water supply. Following the replacement of this watermain, it will be transferred to the Town for ownership and operation. 	<ul style="list-style-type: none"> Project tendered and awarded. 	<ul style="list-style-type: none"> Construction is near complete. Although this is a regional project, the Town's project manager will monitor construction progress and communicate with Council and residents as necessary.
Project #11: Twenty Mile Creek Bridge Replacement (King Street - Jordan Hollow)		
<ul style="list-style-type: none"> The Niagara Region is replacing the Twenty Mile Creek Bridge on King Street, in the Jordan Hollow. A Schedule 'B' Municipal Class Environmental Assessment was completed and the preferred option for bridge replacement that was identified included dedicated space for active transportation infrastructure. 	<ul style="list-style-type: none"> Schedule 'B' EA is completed. Detailed design is near completion and permitting is underway. 	<ul style="list-style-type: none"> Secure agency permits. Tender and award the project in 2024. Commence construction in 2024.

Overview

Progress

Next Steps

Project #12: Niagara Escarpment Crossing Individual Environmental Assessment (IEA)

- The Niagara Region is completing a study for a north-south transportation crossing of the Niagara Escarpment. The crossing will accommodate commercial vehicles and other modes of transportation, increase safety for local communities and efficiency for commercial vehicle operations, help serve higher transportation system capacity, redundancy and resiliency and keep Niagara open for business with the effective movement of goods and people.
- Work is currently underway to develop Terms of Reference (TOR), which identifies in advance the framework for the IEA process. For example, the TOR will identify the various studies, workplans, and consultation to be undertaken during the IEA process.
- Town staff to provide comments on Terms of Reference.

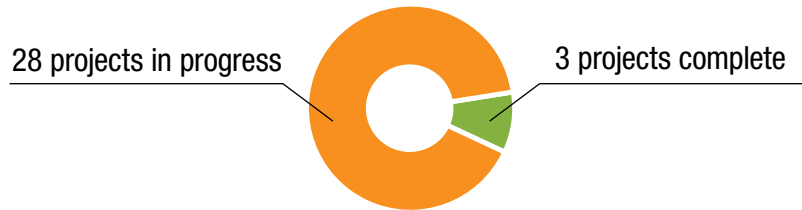
Learn more about all Regional Public Works projects in Lincoln at:
SpeakUpLincoln.ca/Regional-Projects



DASHBOARD

Overall Public Works Projects*:

Total number of projects: **31**

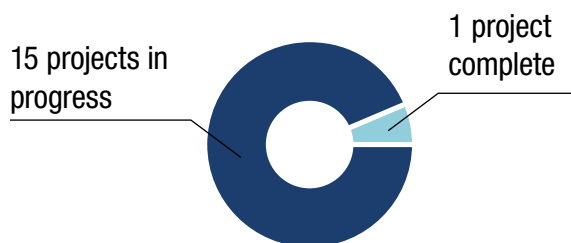


** Excluding Regional Projects*



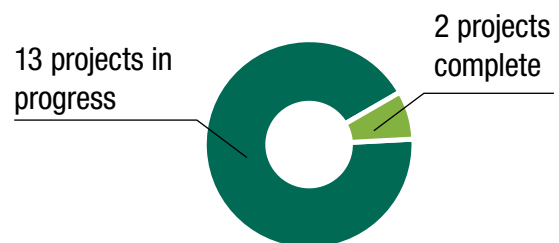
Transportation Capital Projects:

Total number of projects: **16**



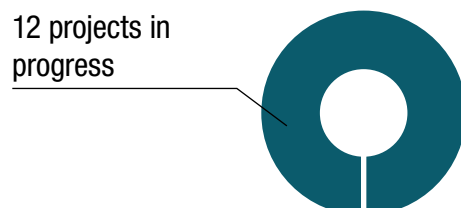
Environment & Safety Capital Projects:

Total number of projects: **15**



Niagara Region Transportation and Environment & Safety Capital Projects:

Total number of projects: **12**



TOWN INVESTMENT

2024 Capital Funding by Infrastructure Category:



Transportation	\$4,999,337
Reserve Funds	\$0
Reserve Funds – Debt	\$0
Development Charges	\$183,000
Grants	\$2,523,927
Debt	\$873,637
Levy	\$1,418,773



Environment & Safety	\$2,284,200
Reserve Funds	\$1,314,200
Reserve Funds – Debt	\$0
Development Charges	\$145,000
Development Charges – Debt	\$0
Grants	\$755,000
Debt	\$0
Levy	\$70,000

Q2 Highlights



Processed **34**
permits



Inspected **3752 km**
of roads



Took **342** water
samples



Completed **577**
locates



Repaired/installed
149 signs



Repaired **912**
pot holes



Received **633** roads /
environmental
work orders



Flushed **715**
hydrants



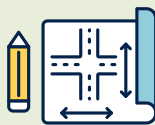
Resolved **10**
sewer issues



2 main breaks



Received & resolved
4 water quality
concerns



Inspected **82 km**
of sidewalks



Mowed **196 km** of
rural roadside



Street swept **600 km**
of roads



Completed **4.87 kms**
of ditching



Replaced **700 ft**
of culverts



Issued **2932** Resident
Communication Notices



Installed black cat devices
at **28** locations

OPERATIONAL PROGRAMS



Program	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Roadway Winter Operations												
Sidewalk/Facility Snow Removal												
Street Sweeping (urban areas)												
Intersection Sweeping (rural areas)												
Snow Fence Installation/Removal												
Road Patrol/Inspections												
Pothole Patching												
Hot Asphalt Patching												
Roadside Ditching												
Roadside Shouldering												
Roadway Catch Basin Drain Cleaning												
Roadside Mowing (rural areas)												
Intersection & Roadside Brushing (rural)												
Roadside Litter Pickup												
Roadside Guiderail Replacement												
Culvert Replacements												
Sod Restoration												
Traffic Sign Annual Audit												
Traffic Sign Retro-Flectivity Audit												
Traffic Sign Repairs/Installations												
Digital Speed Signs												
Temporary Speed Hump Program												
Road Centreline Painting												
Intersection & Crosswalk Paint Marking												
Annual Sidewalk Condition Inspections												
Sidewalk Repair (Various Locations)												
Annual Street Light Inspection												

OPERATIONAL PROGRAMS



Environment & Safety

Program	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
DWQMS Internal Audit												
DWQMS External Audit												
Water Quality Testing & Sampling												
Watermain Leak Detection Program												
Preventative Residual Testing (dead ends)												
Watermain Flushing & Hydrant Maintenance												
Hydrant Winterizing												
Watermain Valve & Chamber Maintenance												
Watermain Flow Testing & Hydrant Coding												
Water & Wastewater Locates												
Wastewater Maintenance Hole Inspection												
Wastewater Maintenance Hole Relining & Repairs												
Wastewater Sewer Flushing												

* Program areas shaded in dark green are on an 'as required' basis



a place to
GROW

a place to
PROSPER

a place to
BELONG

