



City of Traverse City Engineering Department

Project Update Report

November 2017

The Engineering Department is working on several projects including but not limited to:

- Hickory Hills Recreation Area Improvements
- 8th Street Bridge Rehabilitation
- West Front Street Bridge Replacement
- Cass Street Bridge Rehabilitation
- Park Street Bridge Rehabilitation
- Clancy Park Improvements (Grant)
- Clinch Park Improvements Project (filtration system)
- Paving and Resurfacing Projects
- FishPass at Union Street Dam
- East Front Street Streetscape
- 8th Street North Alley
- Lake Avenue Streetscape and SID
- Sidewalks
- Safe Routes to School

More specific project information is noted below:

1. Park Projects

- a. **Boardman River Boat Launch Project**- Scope of work includes installation of new launch and movable dock, dredging, a universally accessible canoe/kayak launch, resurfacing the parking lot, installation of retaining walls near the launch and turnaround to stabilize eroding site banks, installation of trees and native plantings, and boat cleaning/invasive species education signage. *The project was completed in August. Grant administration and project punch list items remain.*
- b. **Clinch Park**- Corrective action for 2013 project, including filtration system upgrades for water feature. *Currently in design development and securing permits for Spring 2018 construction.*
- c. **Clancy Park**- The project includes the addition of walking trails within the park, improvements to the natural area, a new universally accessible playground and other features. *NRTF grant awarded and accepted by the City Commission. Design development complete. Under review by MDNR with planned construction in Spring 2018.*
- d. **Hickory Hills**- The project includes improvements identified in the Hickory Hills Master Plan in conjunction with the Preserve Hickory fundraising and BBTF commitment. *Engineering has assumed the designer role for the site work component of the project including the additional alpine slopes. We are working with the project team including Preserve Hickory, Cornerstone Architects, the City's Parks Superintendent, the City's Recreation Manager for Hickory Hills and the Construction Manager, Spence Brothers, on project implementation. We plan to update the City Commission at the December 11 Study Session and submit the project plans to Garfield Township for the Clearing and Grading Permit and Special use Permit in December.*
- e. **Wellington Plaza Erosion**- *Shoreline erosion beneath the wood boardwalk and deck was found during routine maintenance of the plaza situated along the Boardman River at Wellington Street. Engineering will work on a corrective action plan to stabilize the shoreline beneath the structure.*

2. Bridge Projects-

- a. **Eighth Street Bridge Rehabilitation**- Replace bridge deck using \$750,000 MDOT Bridge Funds for the 2013 fiscal year. Prevent further deterioration resulting in more costly repair/replacement and ultimately bridge failure. *Design and Development with a planned 2018 construction.*
- b. **Front Street Bridge**- Bridge replacement using \$1,100,000 MDOT Bridge Funds for the 2013 FY. *Design and Development with a planned 2018 construction. Significant delay from the permit process from the Army Corp of Engineers.*
- c. **S. Cass Street Bridge Rehabilitation**- Repair existing bridge using \$850,000 MDOT Bridge funds for the 2016 fiscal year. *Closed east sidewalk due to structural conditions. Currently in design/development with planned 2018 construction.*
- d. **Park St. Bridge Rehabilitation** – Replace bridge deck using \$850,000 MDOT Bridge funds for the 2017 fiscal year. *Currently in design/development with planned 2018 construction.*



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3. Street Projects

- a. **Paving and Resurfacing 2018-** *Madison Street between West Front Street and Wayne Street are identified as the next projects for paving and resurfacing including utility replacement.*
- b. **Lake Avenue Streetscape-** *Street reconstruction with streetscapes. Finalized conceptual plans and reviewed with City Planning Commission on October 17 and the City Commission on November 6 when they were found to be consistent with the Traverse City Master Plan. The project is now in design development with construction planned for Fall 2018.*
- c. **East Front Street Streetscape and Mid-Block Cross Walk (Plan-It East)-** *Streetscape project, pending property owner participation. Public involvement and schematic design in process. IDF is the consultant leading the planning process. This project was a Rotary Charities grant funded planning effort consisting of a focused public engagement effort with property owners, tenants and the general public regarding various projects on the east end of East Front Street. A steering committee and staff advisory committee were formed to guide the project with assistance from a consultant. The Plan-It East project area consisted of one street, 3 city blocks, and 12 public spaces. The project area extended from Park Street to Grandview Parkway. The project goal was to provide a public engagement process and consensus regarding possible planned improvements to East Front Street and the 12 public spaces in the vicinity. The project final report is due by year-end.*
- d. **Park Street Streetscape and Parking Deck Entrance-** *Street reconstruction with streetscapes. Construction is complete except for final permit approval for the Parking Deck Entrance and Restrooms. The contract for the Streetscape remains open for a possible change order relating to an Alley SID to be constructed in Spring 2018.*
- e. **West Front Street-** *Street reconstruction for the portion between Division Street and Elmwood. Project is complete.*
- f. **Eighth Street Reconstruction-** *Street reconstruction from Barlow to Cass Street including water transmission line replacement from Garfield to Wadsworth Streets. Topographic survey and mapping is complete. Consultant developed phasing options and detailed cost estimating. Community Development meetings with property owners continue to take place to discuss project. The next phase- reconstruction of the Alley North of 8th Street with topographic survey and mapping planned for fall/winter 2017/18 and construction in 2018.*
- g. **Station Street-** *Alley conversion to street including drainage improvements, parking and sanitary sewer replacement on Alley south of 8th Street between Wellington and Franklin Streets as part of the 8th Street Reconstruction Project. Construction complete.*
- h. **2017/18 Pavement Preservation -** *Project includes pavement preservation for 16 locations City-wide. Construction started in September with 6 of the 16 locations completed. The remaining locations will be completed in Spring 2018.*
- i. **Boardman Lake Avenue/Railroad Wye relocation-** *Consultant, LSL Planning, presented recommendations to the City Commission for West Boardman Lake District that included Boardman Lake Avenue and Wye relocation on 1/9/17.*
- j. **Traffic Signals –** *Hire traffic engineering consultant to review City traffic signals and develop recommendations for future improvements. MDOT is planning a major signal upgrade in 2019 and we want to be able to coordinate the traffic signal management with MDOT and the Grand Traverse County Road Commission to optimize signal timing in the region.*



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4. Walkway/Sidewalk/Trail Projects:

- a. **Safe Routes to School program-** Collaboration with all 10 city (K-8) schools (public and private) to participate in the Safe Routes to School program for infrastructure improvements (sidewalks, traffic calming, signage, etc.) for routes to schools. *City Commission approved Resolution of Support in October 2016 for all ten K-8 schools within the city including Traverse City Area Public Schools, Grand Traverse Area Catholic Schools, Traverse Bay Area Intermediate School District and TC Trinity Lutheran School. Working with our non-profit partner, Norte, the City conducted walking audits and action plans for all of the schools in 2016 and 2017. Through the SRTS program, we have an opportunity to apply for \$200,000 per school for infrastructure. The SRTS team is aiming for a March 2018 application submittal for all 10 schools. If the grant request is fully funded, then \$2,000,000 could be invested on improvements to make it safer to walk or bike to school.*
- b. **Boardman Lake Trail-** Project is to complete the Boardman Lake Trail loop. *Work continues on the final design. Trail route midfield to align with the Transportation Alternatives Program including routing to NMC University Center Entrance and Cass Street which ties into South Airport Road Project easements underway. Several grant requests underway. Private fundraising underway by TART Trails. Trail management discussions underway.*
- c. **2016/17 Sidewalk Replacement and Gap Infill Project-** Sidewalk replacement locations are on 10th St. between Division and Union St. Gap infill locations are focused on the area surrounding Traverse Heights Elementary School on Centre Street. Contracts awarded *Construction completed.*
- d. **Boardman River Boardwalk at Uptown-** *Consultant hired in July with public input meetings held in September. Conceptual alternatives are being developed and will be discussed in December.*

5. Traverse City Parking System-

- a. **Hardy and Old Town Decks Maintenance-***Hired consultant to identify work items for maintenance of Hardy and Old Town Decks. Field review is being completed in December. Plans developed for bidding in March and work to begin in April/May 2018 as weather allows.*
- b. **West Front Parking Deck-** *property has been purchased and project parameters are being investigated. Hired parking deck design consultant in November to develop conceptual plans and cost estimates.*
- c. **Lot P-** *Construct improvements and expand Lot P, design and development underway for Spring 2018 construction.*

6. Facilities:

- a. **Senior Center Facility Renovation-** *Architect has been retained for design services and has prepared preliminary floor plan options; project is in the fundraising stage.*
- b. **DPS Building Repair-** *Completed foundation repair and replacement of masonry wall and façade.*
- c. **2017 Carnegie Building Elevator Replacement Project-** *Construction planned for January 2018.*
- d. **Clinch Marina Harbor Master Building Foundation Repair-** *Recently cracks have been found in the Harbor Master Building. An investigation is underway with preliminary results showing differential settlement of the walls exceeding 4 inches. The Structural Engineering Consultant will prepare a summary of their findings and recommend corrective action in the next few weeks.*

7. Utilities:

- a. **Elmwood Township Water and Sanitary Sewer Conversion-** *Construction complete except for TCLP power connection.*
- b. **2017 Lead Gooseneck Replacement Project-** *Project completed.*
- c. **Barlow Tank-** *Construct 2 million gallon reservoir at the current Barlow Site. Awarded construction contract in September. Prepared site for soil consolidation over the winter with a 2018 completion.*



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- 8. Farmer's Market Improvements-** Improve parking lot and construct all-weather shelter and amenities, *pending funding.*
- 9. Union Dam/Boardman River monitoring stations-** *Collecting data for water level monitoring systems in three locations within the city. Participating in the Bidirectional Selective Fish Passage Project (FishPass). Meeting to review 30% design plans scheduled for February 2018. Project page link: <http://www.gjfc.org/fishpass.php>*
- 10. Permit review-** *332 Right-of-way, 20 storm water run-off control and 47 soil erosion permits have been issued year-to-date (as of 11/30/17) with 34 active storm water run-off control and 25 active soil erosion permits that are being monitored.*
- 11. Traffic counts and Studies-** *Our intern for gathering traffic data started June 2017 and worked through September. During that time, 124 locations were counted for average daily traffic and studies were completed at 36 locations for speed, 21 locations for classification, 8 locations for pedestrians, 13 locations for stop warrants, and 1 location for a signal warrant. A trip timing study was also completed. All counts and studies are available on our website for reference.*
- 12. Development Projects-** *Projects including Munson Medical Center developments, COSTCO, Immaculate Conception, Grandview Market, Radio Center Phase III, Park Place Development, Traverse Connect Garfield Avenue Apartments, Habitat for Humanity at the Depot, Uptown, 124 W. Front, NMC developments, Crystal Cove (Lake Ridge), Northwinds (Lake Ridge), Lake Ridge Drive Townhouse, Safe Harbor at 517 Wellington, Bay and Randolph (2 projects), The Moorings, 305 W. Front Street, East Bay Plaza, Envision 8th, Rite Aid at Garfield/Front and Eastern Elementary School are in different stages of planning and construction and we continue to monitor their progress.*
- 13. Street Pattern Book/Active Transportation/Green Infrastructure Plan-** *Prepare neighborhood street design pattern book that integrates our draft Active Transportation Plan with our desire to add green infrastructure when practical. In process to select a consultant to assist with staff with preparation of the plan and expect work to begin in December/January.*
- 14. Capital Improvement Program (CIP)-** *Assist with preparation of 2018/19 CIP. Project updates have begun in the program database. Plan to have the document prepared and released to the Planning Commission in February 2018.*