

# City Engineering Department

Quarterly Department Report

November 2016

Updated projects highlighted in yellow

## ENGINEERING:

Working on a vast range of projects including but not limited to:

- **Boardman River Boat Launch (Lot D)**
- **8<sup>th</sup> Street Bridge Rehabilitation**
- **West Front Street Bridge Replacement**
- **Cass Street Bridge Rehabilitation**
- **Park Street Bridge Rehabilitation**
- **West Front Street Reconstruction Project (Division Street to Elmwood)**
- **Clinch Park Improvements Project (mechanical filtration system)**
- **Paving and Resurfacing Projects**
- **Park Street Streetscape**
- **East Front Street Streetscape**
- **Lake Street Streetscape**
- **Sidewalks**
- **Safe Routes to School**

- More specific Project information is noted below:

- 1. Boardman River Boat launch Project-** Scope of work includes installation of new launch and piers, 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. *MDEQ and ACOE construction permits received. **Contract approved. Construction to begin Fall 2016 with completion Spring 2017.***
- 2. Opera House -** *Completed tenant space bathroom. Shower retrofit and 3<sup>rd</sup> floor build out by COHAA substantially complete. Heating system replacement underway.*
- 3. Clinch Park-** Corrective action for 2013 project, including shoreline repair, tunnel drainage, and filtration system upgrades for water feature. *Arbitration settlement accepted by both parties. **Shoreline repair, tunnel drainage and water feature upgrades minus the filtration system complete. Project completion expected prior to May 2017.***
- 4. Safe Routes to School grant-** 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. Current plans are to conduct walking audits beginning in the fall with a grant application to follow. Grant award for infrastructure expected to be approximately \$200,000 per school or up to \$2,000,000 for all 10 schools. Likely implementation phases to be recommended.*
- 5. 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.** Survey and design work to be complete in 2016 with construction in Fall 2017.*
- 6. Traverse City Parking System-** *Hardy Parking Deck backup generator for emergency lighting is **complete;** Violation Bureau award **expected in November** with completion Fall/Winter 2016.*
- 7. Lot V Reconstruction and resurfacing-** *completed in October 2016.*
- 8. West Front Parking Deck-** *property has been purchased and project parameters are being investigated.*
- 9. Garland St. Reconstruction/streetscapes -** Infrastructure improvement; realign street; improved access; redirect Garland Street from Grandview Parkway to Union Street on the east end; provide a shared space

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street for pedestrians and motor vehicles. *Construction substantially complete with lighting elements and street furniture to be completed by Fall 2016/Spring 2017.*

10. **West Front Street-** Street reconstruction for the portion between Division Street and Elmwood. *Design development Fall 2016 and construction Fall 2017.*
11. **Eighth Street Reconstruction-** Street reconstruction from Barlow to Cass Street including water transmission line replacement from Garfield to Wadsworth Streets. *Topographic survey and mapping underway Fall/Spring 2017. Pending final street Master Plan by consultant (Farr Associates.)*
12. **Boardman Lake Avenue/Boardman Lake Trail/ Railroad Wye relocation-** *Pending reports for Boardman Lake avenue and Wye relocation for prioritization discussion in December/January*
13. **Bridge Projects-**
  - a. Eighth- Replace bridge deck using MDOT Critical Bridge Funds for the 2013 fiscal year. Prevent further deterioration resulting in more costly repair/replacement and ultimately bridge failure. Receiving MDOT Critical Bridge Funds for FY2013 for \$750,000. *Design and Development with a planned 2017/18 construction.*
  - b. Front Street Bridge- Bridge replacement using MDOT Critical Bridge Funds for the 2013 FY. *Design and Development with a planned 2017/18 construction.*
  - c. S. Cass Street Bridge Rehabilitation- Repair existing bridge. *Funding from MDOT Bridge Program- for the 2016 fiscal year. Closed east sidewalk due to structural conditions. Consultant hired September 2016. Currently in design/development with planned 2017/18 construction.*
  - d. Park St. Bridge Repair – Rehabilitate bridge superstructure. *Funding from MDOT Bridge Program approved for the 2017 fiscal year. Currently in design/development with planned 2017/18 construction.*
  - e. Murchie Bridge Pedestrian Railing (Grandview Pkwy bridge over the Boardman River)- Repair or replace existing pedestrian railing- *Planned to be completed in conjunction with MDOT's Bridge Project Spring 2017*
14. **Paving and Resurfacing 2016**
  - a. Phase 1- E. State Street, Franklin Street and Ninth Street- *All streets are currently substantially complete as of Sept 2016, punch list items remain.*
15. **Paving and Resurfacing 2017**
  - a. Phase 1- Seventh Street and Eleventh Street *Delayed. Public involvement pending.*
16. **Special Improvement District Projects**
  - a. Alley north of W. Front St. and east of Elmwood Ave. *Approval of SID and construction pending.*
  - b. Alley south of Sixteenth Street between Union and Cass- *Complete.*
  - c. Alley south of Fourteenth Street east of Cass- *Complete*
  - d. Alley south of East Front Street between Wenonah to East Bay Blvd- *Complete*
17. **2015/16 Sidewalk Replacement and Gap Infill Project-** Sidewalk replacement locations are on E. 10<sup>th</sup> St. between Lake St. and Union St.; and on N. Cedar St. between W. Front St. and Bay St. Gap infill locations are 1) 14<sup>th</sup> St. between Maple St. and Division St. 2) W. Front St. between City Limits and end of existing at Teter Orthotics 3) Cass St. Between 14<sup>th</sup> St. and 17<sup>th</sup> St. 4) North side of Grandview Parkway between Elmwood St. and City Limits 5) 7<sup>th</sup> St. between Elmwood Ave. and S. Cedar St. 6) Hastings St. at TCLP 7) North side of Munson Ave. between E. Front St. and Davis St. 8) Repair of existing retaining wall at Lot C 9) TCLP Substation on LaFranier Rd. *Locations 1-9 are complete except for location 7 which is currently under construction.*
18. **2016/17 Sidewalk Replacement and Gap Infill Project-** Sidewalk replacement locations are on 10<sup>th</sup> St. between Division and Union St. Gap infill locations are focused on the area surrounding Traverse Heights Elementary School with specific locations to be determined. *Construction planned in 2017.*
19. **2015/16 Pavement Preservation and 2016/17 Pavement Preservation -** *Project complete.*
20. **SAW Grant and related Sanitary Sewer and Storm Water Systems Asset management plans-** *\$2 million grant awarded, grant agreement executed, implementation underway. Rim elevations of sanitary sewer*

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*manholes, wastewater asset management plan underway, stormwater asset management plan underway and the stormwater management plan underway. Project completion due by June 2017.*

- 21. Permit review-** *369 Right-of-way, 31 storm water run-off control and 41 soil erosion permits have been issued year-to-date*
- 22. Traffic counts and speed counts-** *More than 160 locations were counted this year*
- 23. 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, Hotel Indigo, Habitat for Humanity at the Depot, Uptown, 124 W. Front, NMC developments, Crystal Cove (Lake Ridge), Northwinds (Lake Ridge), Lake Ridge Drive Townhouse, 517 Wellington, Bay and Randolph (2 projects), Front & Garfield development, The Moorings, 305 W. Front Street, and East Bay Plaza are in different stages of planning and construction and we continue to monitor their progress.*
- 24. Senior Center Facility Renovation-** *Architect has been retained for design services and has prepared preliminary floor plan options; project is in the fundraising stage.*
- 25. Lake Street Streetscape-** *Street reconstruction with streetscapes, pending property owner participation*
- 26. East Front Street Streetscape and Mid-Block Cross Walk-** *Street reconstruction with streetscapes, pending property owner participation.*
- 27. Park Street Streetscape and Parking Deck Entrance-** *Street reconstruction with streetscapes, pending property owner participation and development agreement. Design Development with spring 2017 construction.*
- 28. Farmer's Market Improvements-** *Improve parking lot and construct all-weather shelter and amenities, pending funding.*
- 29. 517 Wellington-** *alley drainage improvements and sidewalks on Wellington to 8<sup>th</sup> Street.*
- 30. Elmwood Township Water and Sanitary Sewer Conversion-** *Completed October 2016. Flow meter at boundary to be installed by June 2017.*
- 31. Street Pattern Book-** *Prepare neighborhood street design pattern book.*
- 32. Capital Improvements Plan-** *Assist with preparation of 2017/18 CIP*
- 33. Union Dam/Boardman River monitoring stations-** *Design and install water level monitoring systems in four locations within the city and bidirectional selective fish passage project.*
- 34. DPS Building Repair-** *Evaluate masonry wall and façade cracking and repair.*