

# City Engineering Department

Quarterly Department Report

April 2014

## ENGINEERING:

Working on a vast range of projects, many for 2014, including but not limited to:

- **Boardman Lake Trail**
- **West End Beach Trail**
- **Boardman River Boat Launch**
- **Various parking lots**
- **Garland Street Reconstruction**
- **8<sup>th</sup> and West Front Street Bridge Reconstruction**
- **Pine Street Pedestrian Way Bridge and TCLP Undergrounding Project**
- **West Front Street Reconstruction**
- **Multiple Special Improvement Districts, including sidewalks and curbs**
- **Paving and Resurfacing Union, Santo and Sequoia Streets**
- **Permit review-** *Right-of-way and soil erosion project reviews are intensifying as spring has arrived and new projects are developed*
- **Traffic counts and speed counts-** *We will begin our seasonal program for traffic counting in April*
- **Munson Cowell Family Cancer Center-** *Plans are under review for the projects which will impact public utilities and traffic circulation around Munson.*
- **Development Projects-** *Projects including Hotel Indigo, Habitat for Humanity at the Depot, Front and Cass, TBA Credit Union, Ivy and Larkin Insurance are in different stages of construction and we continue to monitor their progress.*
- **Clinch Park Water Feature** *-With the arrival of spring we will coordinate the work of the splash pad consultant to audit the Clinch Park Water Feature*
- **SAW Grant-** *We are preparing for the work involved with the \$2,000,000 SAW Grant recently awarded to the City to prepare Stormwater and Sanitary Sewer Asset Management Plans and a Stormwater Management Plan*

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- More specific Project information is noted below:
1. **Division Street-** CC discussion to implement citizen committee recommendations. \$500,000 Roads and Risk Reserve funds were allocated in December 2013 for PEL process (part of the NEPA process) *Project under discussion with MDOT.*
  2. **Boardman Lake Avenue-** a new road between 8<sup>th</sup> Street and 14<sup>th</sup> Street that consists of four basic components: Railroad Wye Relocation, Street Right-of-way acquisition, Street Construction and the Boardman Lake Trail (detailed below). *Project discussions continue.*
  3. **Boardman Lake Trail West extension-**Project scope includes the extension of the Boardman Lake non-motorized trail from approximately 10th Street to 14th Street (2,900 linear feet), a connection to the Old Towne Neighborhood, and the addition of a lakefront recreational area that will feature a fishing dock, kayak/canoe small watercraft launch, shelter, picnic areas and seating. A \$210,000 Natural Resources Trust Fund Grant was received in October 2012. *Plans approved by the State in March. Construction planned in 2014.*
  4. **West End Beach Trail and Access Project (Slabtown Beach)-**The scope of work includes the extension of a non-motorized trail along the north side of M-72/West Grandview Parkway from the parking lot at West End Beach to Elmwood Avenue, a distance of approximately 1,100 feet; a pedestrian crossing of M-72/West Grandview Parkway near the alignment of Elmwood Avenue connecting the trail extension with neighborhoods and trail networks to the south. North of the trail crossing intersection, a small viewing platform and ramped access to the beach will be constructed; also a stormwater treatment structure will be installed to separate oil and grit street runoff and reduce this current form of point-source pollution directly into Grand Traverse Bay. A \$173,931.87 MDOT Enhancement Grant was awarded in 2012 for the construction of the project. *Plans submitted to MDOT for review in March. Construction planned in 2014.*
  5. **Boardman River Boat launch Project-** Scope of work includes installation of new launch and piers, a universally accessible canoe/kayak launch, resurfacing the parking lot with the use of porous pavers in the turnaround area and launch exit, installation of rain gardens along the southern edge of the 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. A \$156,250 Waterways Grant received in December 2013, a \$80,000 Coastal Management Program grant, and local foundation grant of \$50,000 received in 2012 for project construction. *Construction planned in 2014.*
  6. **Clinch Park-** Corrective action for 2013 project, fencing, tunnel drainage, water feature. *Hired WTI for water feature audit after the snow melts*
  7. **Fuel Island Repair-** Repair and upgrade fuel pump facility.
  8. **Parking lots**
    - a. D, O, P, V, W &N- *coordinate with TC Parking System*
  9. **Lake Street Streetscape-** Street reconstruction with streetscapes, *pending property owner participation*
  10. **East Front Street Streetscape-** Street reconstruction with streetscapes, *pending property owner participation*
  11. **Garland St. Reconstruction/streetscapes -** Infrastructure improvement; realign street; improved access. Private is a special improvement district. Redirect Garland Street from Grandview Parkway to Union Street on the east end; provide a shared space street for pedestrians and motor vehicles. The Consultant initially hired by the DDA has ceased business operations and we are in the process of securing a new consultant to complete the engineering for this project. *Property/Right-of-way acquisition; 2014 planned construction.*
  12. **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 2014/15 construction.*

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- b. Front Street Bridge- Prevent further deterioration resulting in more costly repair/replacement and ultimately bridge failure. Receiving MDOT Critical Bridge Funds for the FY2013. Received \$1,000,000 RRR Funds. *Design and Development with planned 2014/15 construction.*
- c. Pine Street Pedestrian Bridge- Pedestrian walkway and bridge over the Boardman River connecting West Front Street with Grandview Parkway. *Land acquisition; 2014 planned construction in coordination with TCLP and Uptown development.*
- d. Cass Street Bridge Rehabilitation- Repair existing bridge with funding from MDOT Bridge Program- *planned 2015 construction*
- e. Park St. Bridge Repair – Rehabilitate bridge superstructure. *Funding application not successful; Resubmit for 2017 funding cycle.*

### **13. Paving and Resurfacing 2013**

- a. Wayne Street Reconstruction Project- *substantially complete in 2013, punch list items and restoration remain.*

### **14. Paving and Resurfacing 2014**

- a. Union, Santo and Sequoia Streets- *Planned construction spring 2014*
- b. West Front Street Reconstruction- *Planned construction fall 2014*

### **15. Special Improvement District Projects**

- a. Barlow Street Parking- Add paved shoulder and curbing to address tree lawn parking- *planned construction summer 2014*
- b. Cedar Street Parking- Add paved shoulder and curbing to address tree lawn parking- *pending property owner petition*
- c. Depot Alley Curb- Add curb to alley in conjunction with Depot Project- *pending property owner petition*
- d. Lakeridge Drive Curb and Sidewalk-Add curb and sidewalk to street in conjunction with development project- *pending property owner petition*

**16. 2013 Alley Sewer-** collection system improvements- *2013 construction- project delayed due to weather*

**17. 2014 Wastewater Treatment Plant Yard Piping Repair Project-** Plant improvements- *substantially complete and operational with restoration in spring*

**18. 2014 Water Treatment Plant Filter Replacement Project-** Plant improvements- *currently under construction.*

**19. 2014 Woodmere Pump Station Repair and DPS Pump Station Back Up Power Project-** repair damage from auto accident and upgrade pump to VFD with Back-Up Power- *under construction*

**20. 2013 Water Plant Fluoride System Upgrade project-**Plant improvement - *project underway*

**21. SAW Grant and related Sanitary Sewer and Storm Water Systems Asset management plans-** *\$2 million grant awarded, awaiting grant agreement execution*

**22. Permit review-** *Right-of-way and soil erosion project reviews are intensifying as spring has arrived and new projects are developed*

**23. Traffic counts and speed counts-** *ongoing throughout the year*

**24. Munson Cowell Family Cancer Center-** *Plans are under review for the projects which will impact public utilities and traffic circulation around Munson.*

**25. Development Projects-** *Projects including Hotel Indigo, Habitat for Humanity at the Depot, Front and Cass, TBA Credit Union, Ivy and Larkin Insurance are in different stages of construction and we continue to monitor their progress.*