

23 Mile Rd. Water Main Project – Phase 1 1012-2019

April 30, 2020

Project Manager: Don Coddington



Funding Source: Enterprise Fund
Estimated Project Budget: \$2,074,500.00
Estimated Completion Date: March 31, 2021

Phase: Design
Project Cost to Date: \$67,200.00

Project Details

Connect all existing water main on the south side of 23 Mile Rd. between Donner Rd. and Altman Rd. by filling in gaps with new 12-inch water main. The gaps total roughly 6,170 feet of new water main to be installed.

Project Status

Design of project is roughly 90% complete. Still working on obtaining easements for the project. 18 more signatures to obtain, with one signature scheduled to obtain on Monday, April 27, 2020.

Estimated Substantial Completion Date: December 31, 2020

Change Orders

None.

25 ½ Mile and Gratiot PRV Station Upgrade 1010-2019

April 30, 2020

Project Manager: Don Coddington



Funding Source: Enterprise Fund & General Fund
Estimated Project Budget: \$691,870.00
Estimated Completion Date: March 31, 2021

Phase: Design
Project Cost to Date: \$30,328.50

Project Details

Bring the meter bit above ground similar to what was done with the meter pit at 24 Mile and Fairchild Rd. Plans will mirror what was accomplished with the 24 Mile and Fairchild Rd. site, but adjust the size of the building to fit it on the property.

Project Status

Design phase is 100% complete. Project was put out to bid on MITN on April 20, 2020. Bid opening scheduled for May 12, 2020.

Estimated Substantial Completion Date: December 31, 2020

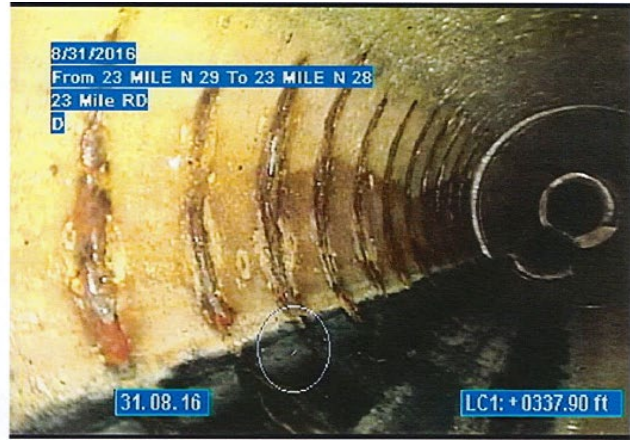
Change Orders

N/A

2020 Sanitary Sewer Rehabilitation Project 2021-2020

April 30, 2020

Project Manager: Don Coddington



Funding Source: Enterprise Fund
Estimated Project Budget: \$486,530.00
Estimated Completion Date: October 23, 2020

Phase: Design & Bid
Project Cost to Date: \$0.00

Project Details

The sewer rehabilitation project is based on the data collected from the 2017 SAW Grant. The SAW Grant found 19 areas of concern and have been determined necessary to repair through this project.

Project Status

Project is in the preliminary design phase. Estimated design completion is June 30, 2020.

Change Orders

- None

ADA Township Upgrades 1020-2020

April 30, 2020

Project Manager: Joshua Sonnenberg



Funding Source: CDBG \$78,386 and Township Funds
Estimated Project Budget: \$143,240
Estimated Completion Date: November 30, 2020

Phase: Design
Project Cost to Date:

Project Details

Partners in Architecture performed an ADA study on the Township Offices in 2019. At the January 22, 2019 Board of Trustees Meeting, the Township allocated \$78,386 of CDBG funding towards architectural barrier removal. The CDBG Committee recommended bringing the restrooms (closest to the Senior Center) up to ADA compliant and also bring the lobby front counter up to ADA compliant. The Board approved this recommendation at the March 17, 2020 Board Meeting.

Project Status

Partners in Architecture took Restroom and Counter measurements on March 23, 2020. Draft designs are currently being reviewed internally with Treasurer's Office and Clerk's Office.

Change Orders

None

Fire Station 1 1013-2019

April 30, 2020

Project Manager: Joshua Sonnenberg



Funding Source: 205.340.970.000
Estimated Project Budget: \$1,738,640
Estimated Completion Date: 6/8/20

Phase: Ruff Construction
Project Cost to Date: \$1,783,951.10
Contractor Completion 5/18/20

Project Details

Critical objective of this project is to keep fire station functioning throughout the duration of construction. Renovation will be conducted in two phases, concurrently: 1.) one story addition consisting of two bays and storage area; site work will be completed during this phase and 2.) second floor living space addition. JSN Architecture will be available for consultation and inspections and also to assist in matching materials used during the original construction 30 years ago. Fixed cost contract will be executed with all change orders approved by township project manager.

Project Status

Progress this Month:

Roof installation schedule by sections

- Section 1 completed area over the second-floor addition
- Section 2 completed the new apparatus bay
- Section 3 completed area over the old bays
- Roofers only have the fascia and soffits remaining

Second Floor Area

- Elect completed the installation of ceiling lights, plugs and switches.
- LVT floor tile installation completed
- Carpet tile installation completed
- Cove base installation completed
- Electrical, plumbing HVAC finishes

- Painting of the fire suppression lines complete
- Kitchen cabinets installed
- Kitchen counters installed
- Doors and frames
- Bathroom tile installation 95% complete
- Bathroom counter tops installed
- New gas regulators installed for the building generator
- Gas Company increased building gas pressure to two pounds

Apparatus Bay

- Floor sealed
- Drywall taped and sanded
- Drywall ceilings painted

TO DO Project Schedule Summary Below. Items in red are owner's responsibility

- 4/22 - 5/2 Bathroom partitions
- 5/11 - Appliances installed
- 5/12 - Punchlist walk through / Final inspection
- 5/12 - 5/18 Punch list work / Final inspection / IT installs rack in the server room
- 5/18 - General Contractor scheduled completion date
- 5/18 - 5/19 Furniture delivery
- 5/20 - 5/28 IT Work general
- 5/27 - 5/29 Interstate access controls installation
- 6/1 - 6/5 Abel camera installation
- 6/8 - Move in

Change Orders

13 totaling \$ 93,811.10

Howitzer Cannon Project 1016-2019

April 30, 2020

Project Manager: Joshua Sonnenberg



Funding Source: GL# 101-265-975.000
 Estimated Project Budget: \$8,510.00
 Estimated Completion Date: July 4, 2020

Phase: Construction/Execution
 Project Cost to Date: \$1,595.82

Project Details

TACOM approved relocating the conditionally loaned Howitzer cannon from Vet's Memorial Park to the Municipal Office, behind the newly-constructed Memorial Wall. One of the conditional loan stipulations was to construct a concrete pad to safely place the Howitzer. The Facilities Department is going to construct the concrete pad in-house, but must purchase the concrete and construction materials needed to execute this project. Once the pad is constructed, the Howitzer will be safely towed to its permanent residence behind the Memorial Wall.

ESTIMATED EXPENSES

June - August 2019



PROJECT FUNDS REQUESTED
\$8,510.00

ESTIMATED EXPENSES

CONTINGENCY

Item	Vendor Discription	Estimated Labor Hrs	Estimated Total	Actual Total	Comments
Lime Stone (21AA)	Richmond Transport		\$1,000.00		
Concrete	Theut Products		\$1,600.00		
Welded Wire Fabric	Theut Products		\$60.00		
Electrical Supplies	K/E Electric		\$1,850.00		
Decorative Stone Wall	Pheonix Stone		\$4,000.00		
			\$8,510.00		

Project Status

The area was prepped and pad was poured. Unfortunately, an animal ran over wet concrete, and left paw prints in the pad. Once the weather is warm enough, the Facilities Department will be applying a mixture over the top of the pad which will add a nice finish and will cover up the prints. Also in the spring, the decorative wall will be constructed, area graded and lights installed. The cannon will be set in place prior to the Veteran's Event in July.

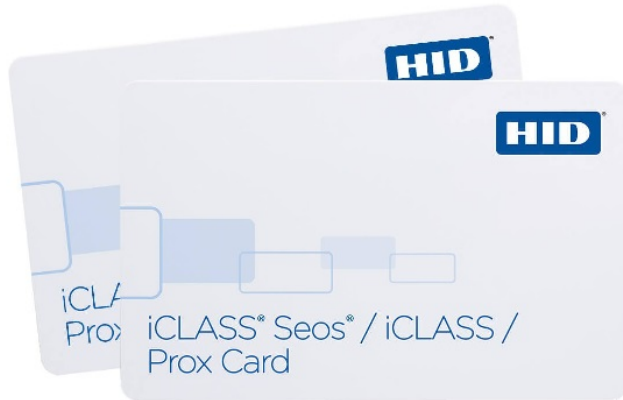
Change Orders

N/A

Security Cameras and Proximity Card Readers Project 1019-2020

April 30, 2020

Project Manager: Kevin Johnson



Funding Source: Enterprise Fund & General Fund
Estimated Project Budget: \$180,609,46
Estimated Completion Date: May 1, 2020

Phase: Construction
Project Cost to Date: \$94,077.19

Project Details

Replacement of security cameras and new installation of proximity card reader system at municipal office, replacement of security cameras and proximity card readers at DPW, installation of new security cameras and proximity card reader system and pressure reducing valve (PRV) stations.

Project Status

Project is currently on schedule. All hardware has been installed at the main office and PRV stations. Security cameras are installed at the DPW, proximity card readers are only hardware left to be installed at the site. Josh had a contractor patch all of the holes that were created from running wiring throughout the building.

Hi-Tech was contacted to request a quote on adding the second door of each double-door entrance (5 in total) to allow both doors to open when scheduling in software is completed. Software is currently being worked on and proximity cards are being added to the system.

The goal is to add proximity cards for municipal office employees by May 1, 2020. Proximity cards will be tested prior to being handed out, and the existing keypads will remain functional in conjunction with the new system for at least a month before being removed.

Change Orders

- An additional component needs to be purchased to accommodate the number of doors we are installing. There were initially 20 ports available on the patch panel at the start of this project, with four now occupied, which leaves 16 ports and the proximity card system requiring 19 ports. An additional patch panel is necessary for purchase so the proximity card system can be installed properly. The cost increase is estimated at around \$400.00.
- Adding three senior center doors and the door for the new Clerk's office to the project. Since GLWA decided to not participate and include their side of the PRV stations in the project, the funds from that will be used to add these doors. Waiting for an updated estimate to determine if the cost fits within the project budget.
- Josh would like to hire a contractor to repair the holes that were cut in the walls to run the wires for the doors and cameras in the main office. Cost was \$425.00.
- Added additional door for new Clerk office. Door was included with the three senior center doors.
- Obtaining a quote to have a door strike added to the second door of each of the five double-door entrances in the township.

BRANDENBURG SHORELINE PROJECT 1017-2019

April 30, 2020

Project Manager: Joshua Sonnenberg



Funding Source: NOAA & Chesterfield Twp
Estimated Project Budget: \$884,870
Estimated Completion Date: Spring 2021

Phase: Bidding / Award
Project Cost to Date: \$44,664.50

Project Details

The shoreline restoration is slated to include 740 linear feet of shoreline softening as well as 1.5 acres of near shore habitat creation and is primarily funded by a grant from the National Oceanic and Atmospheric Administration (NOAA). The project will include sections of rocky breakwater intended to promote an increase in juvenile fish and healthy assemblages of game fish while providing forage for waterfowl, along with shoreline bioengineering which adds habitat complexity and will provide improved habitat for herpetofauna and macroinvertebrates. Ongoing communication and collaborative work will be between OHM Advisors, Chesterfield Township, Great Lakes Commission, NOAA, and other regulatory agencies will be essential for a successful project.

Due to the spawning timeline for the fish habitat, in water work cannot be done between April 1st and Sept 30th. Goal is to have additional funding secured and project awarded in August 2020. Winning contractor will have project prepped and ready for in water work by October 1, 2020.

Project Status

Monthly Project Management conference call on April 15, 2020 was held with representatives from GLC, OHM, NOAA and Chesterfield Township. GLC has been asked to submit a proposal to cover the overage of \$343,000 and possibly cover the water circulation study. Note: there could be additional costs if there was a need to redesign around celery bed or protect during construction. We do not have an USACE permit so there is still a concern that they might request that the celery beds be protected.

OHM was able to secure a 180 day extension to Anglin's bid. Josh stressed the importance that the bid presentation must be brought in front of the Township Board for approval by August 25, 2020 at latest, in order for work to begin in September.

Discussion was held between all organizations about the possibility of doing the project in phases. That was not a popular option because there would be additional costs for equipment and product mobilization and demobilization. We would also have to consider stabilization of the shoreline with that approach. The most feasible option would be to split project north/south of the pier, but it cannot be split between in water work and shoreline work.

The USACE has a concern with trash and sewage washing ashore. They may be recommending a water flow analysis/modeling effort (cost unknown at this time). Current data does not have a high resolution in this area; model could be quite costly, i.e. upwards of \$30,000. The fact was pointed out that the Clinton River dumps into the lake and shorelines south of the mouth has issues, areas north do not share in the extent of the same issues.

Terry @ NOAA will talk to Jim @ USACE about this study and report back to the team. OHM suggested meeting with USACE to understand what they want, outline what would go into model, get approval/support from Board, then have the model done. Perhaps a way to try to move things forward would be to outline model plan and get that in front of the USACE.

OHM will provide a summary of the circulation model along with a conservative estimate including contingency in case a design modification is required.

Change Orders

N/A

WEBBER PADDLE PARK WPI-2018-001

April 30, 2020

Project Manager: Joshua Sonnenberg



Funding Source: MDNR Trust / Chesterfield Township
Estimated Project Budget: \$379,000
Estimated Completion Date: August 2020

Phase: Construction
Project Cost to Date: \$65,658.78

Project Details

Construction of a floating kayak launch with access gangway, picnic tables with bike trail, parking lot, and other miscellaneous site amenities.

Project Status

APRIL 2020

- April 7, 2020 the Township received and opened sealed bids for Webber Paddle Park.
- During the April 14, 2020 Board Meeting, job was awarded to JSS Macomb LLC in the amount of \$294,513.00 and the total project cost in the amount of \$379,000 was approved.
- Pre-Construction meeting held between Township, AEW, JSS – Macomb, SEMCO, DTE and AT&T 10am April 29, 2020
- Ready to start clearing trees by May 4, 2020

Webber Paddle Park

ID	 Task Mode	Task Name	Duration	Start	Finish
1		Project Bid	18 days	Fri 3/13/20	Tue 4/7/20
2		Advertisement	1 day	Fri 3/13/20	Fri 3/13/20
3		Out to Bid	1 day	Tue 3/17/20	Tue 3/17/20
4		RFI Deadline	1 day	Thu 4/2/20	Thu 4/2/20
5		Addendum 1 (if Needed)	1 day	Fri 4/3/20	Fri 4/3/20
6		Bids Due	1 day	Tue 4/7/20	Tue 4/7/20
7		Board Approval	1 day	Tue 4/14/20	Tue 4/14/20
8		Construction	65 days	Tue 4/28/20	Mon 7/27/20
9		Construction Start	1 day	Tue 4/28/20	Tue 4/28/20
10		Substantial Completion	1 day	Fri 7/3/20	Fri 7/3/20
11		Final Completion	1 day	Mon 7/27/20	Mon 7/27/20