



Monthly Construction Project Status Report

Department of Engineering and Public Services

November 8, 2022

1. **2019-22 SUBSTANTIALLY COMPLETED BUT OPEN CONTRACTS:**

The following contracts are completed except for either paperwork or minor items, and will be closed out when the following are completed:

- Labor Park Improvements (2019 - E.R. Zeiler Excavating) - all work has been completed and waivers are needed so the contract can be closed out.
- 2019 Underground Utility Program (2019 - E.R. Zeiler Excavating) - all work is completed on the base contract and subsequent change orders, so the contract can be closed once we obtain final waivers and quantity concurrence from the contractor.
- Raisin Street Water Main Loop (2020 - Salenbien Trucking & Excavating) - all work is completed. This work is a part of the La-Z-Boy Infrastructure installation contract, so paperwork will be included with that project.
- 2021 Concrete Paving Program (2021 - E.R. Zeiler Excavating) - all work is completed except for joint sealing on Ternes Drive and Telb Street, so the contract can be closed out once this is completed, final paperwork is submitted, and quantity concurrence is obtained from the contractor.

2. **WEST LORAIN STREET WATER MAIN REPLACEMENT - CSX RAILROAD BORE:**

Replacement of the existing 12" water main through this corridor was planned for summer 2021, with this project area lying in properties owned by the City or within an easement in the areas where Lorain Street does not exist as a roadway. After repeated schedule requests, CSX arranged for flagging in March, and work commenced. Unfortunately, on the west side, rock was significantly lower at the initial bore pit than expected based on past projects, and the contractor, Salenbien Trucking & Excavating, will need to adjust their bore 7-8 feet lower, which will require a different boring machine and deeper trenching. The City Council appropriated an additional \$100,000 from reserves to complete the work at the next available opportunity. Unfortunately, coordination between CSX for flagging, the prime contractor for digging, and their boring subcontractor is proving quite difficult, and the work now may not occur until spring 2023 due to a flagging blackout window from Thanksgiving through New Year's, and contractor commitments during winter. We are tentatively looking at late February / early March 2023 for the next attempt.

3. **INTERSTATE 75 INTERCHANGE STUDY:**

Consultant WPS and subconsultant OHM Advisors have been assisting the City with preliminary engineering and evaluation of alternative concepts for major improvements to and / or consolidation of Exits 13 (Front Street) and 14 (Elm Avenue) to facilitate safer and more functional access to I-75 by large trucks serving the industrial area and provide for better gateway access to downtown by visitors. The Economic and Community Development Director is leading the process on behalf of the City, but the Engineering Department is assisting with review of concepts and meeting with MDOT as well. MDOT personnel are leading the Planning and Environmental Linkage (PEL) process, and a public forum is scheduled for November 17. The entire process is expected to be completed by the end of 2022, and construction is tentatively planned for 2028.

4. **CITY HALL MODIFICATIONS – FIRST FLOOR:**

All work has been completed, except the installation of glass at the Water Department counter, which is expected this month. A punch list remains with some of the items having been completed, and the remaining ones, mostly finish touch-ups, planned for immediately following installation of the last glass section.

5. **2021-22 PAVEMENT MARKING PROGRAM:**

The Engineering Department packaged a large-scale marking contract for 2021, which was awarded to JV Contracting of Goodrich. Based on a nationwide shortage of cold plastic material and seasonal limitations, the stop bars, crosswalks, etc. could not be completed in 2021, so they were carried into 2022. Most locations have now been completed, and the contractor returned last week for a few more locations. A small amount of paint still is planned for this month, and then the contract will be closed out.

6. **ELEVATED TANK IMPROVEMENTS:**

Projects at the Roessler, Maybee, and Ida Elevated Tanks were bid together and the Water Department worked with Dixon Engineering and Jones & Henry Engineers to take the lead on project design and inspection, whereas the Engineering Department will manage the contract administration. The contract was awarded to Seven Brothers Painting of Shelby Township and all work has been completed at the Maybee and Ida tanks, with painting and mixer work complete at the Roessler tank. Material lead times are affecting piping replacement and electrical / mechanical changes, so the Contractor will need to return to the Roessler tower later this month, and there is a small pinhole leak at the Ida tank that also needs to be addressed.

7. **CORRECTIVE ACTION PLAN / SANITARY SEWER LINING:**

The original project, which lined numerous sanitary sewers in the Stony Point subdivision in Frenchtown Township, was awarded to Insituform Technologies of Howell, and was completed in March 2021. Some additional locations were awarded as a change order by the City Council in May 2021 and some are completed, though the remaining five (5) locations are planned for this fall. An additional eight (8) locations were planned for 2022, and these were awarded by the City Council at their meeting on October 3. The preparatory subcontractor is working this coming week, and lining is expected to occur between now and the end of 2022. The contract for the second phase of the work, lining of laterals in Stony Point, was completed by BLD Services of Kenner, Louisiana, and the contract has been closed out.

8. **SAINT MARY'S GARDENS SUBDIVISION STORM SEWER UPGRADES:**

This project was identified as a major long-term need due to a storm sewer system that is undersized in some areas and completely lacking on some streets in the area. The Wastewater Department has also entered into an agreement with Fishbeck Engineers for additional monitoring, evaluation, and inspection of this subarea with respect to the collection system as a part of our Corrective Action Plan, and they have completed their evaluation with respect to determination of clear water fixtures that should be disconnected from the sanitary system. The construction contract includes storm sewers based on the 10-year, 24-hour storm event and includes a pump station to allow for proper pipe depth and grades. This project also includes the complete reconstruction of numerous streets in the area (Roessler, Lavender, McCormick, John L, and Calgary). The contract was awarded to E.R. Zeiler of Temperance at the September 6 Council meeting. We will likely schedule some public informational meetings later this fall to discuss the project in detail with the affected residents, and begin preparations for proper connection of any clear water pipes to the new system once it is constructed. The completion date is September 30, 2023, and the contractor intends to start work in late December.

9. **2021-22 SIDEWALK REPLACEMENT PROGRAM:**

Due to favorable performance and the contractor agreeing to hold their 2021 unit prices, City Council extended the contract with GV Cement Contracting of Brownstown to include our 2022 work. This year's sidewalk replacement program is the area south of the River Raisin, between Harrison and Scott Street / LaPlaisance Road. We also omitted some streets within the program area where utility work is planned for 2023, including Washington Street and portions of Fifth and Seventh Streets. The City Council also awarded some additional work on the River Raisin Heritage Trail and Bentley Drive at their September 19 meeting. The program area work has been completed, and they expect to be completed this week with the remaining "spot" locations related to individual complaints and utility patches.

10. **2018-22 BITUMINOUS PAVEMENT MAINTENANCE PROGRAM:**

The 2018 contract for crack sealing and spray patching was publicly bid, and Highway Maintenance and Construction of Romulus was the low bidder. They have agreed to hold their original (2018) unit prices firm again for spray patching and crack sealing, so the City Council awarded a contract for extension of these activities as well as up to \$40,000 in asphalt patches at the June 20 meeting. Subcontractor Bowen Paving completed the asphalt patching work in September, and remaining spray patching and crack sealing work is underway and should be completed in the next two weeks.

11. **FORMER LA-Z-BOY HEADQUARTERS REDEVELOPMENT:**

The City acquired the overall property including the former headquarters of La-Z-Boy Chair Company on Telegraph Road, and the Engineering Department has been managing the demolition of the buildings and infrastructure for the redevelopment of the site. Design and construction management of site infrastructure is being performed by the Mannik and Smith Group of Frenchtown Township, and MKSK Studios of Detroit has prepared the Planned Unit Development (PUD) design guidelines, will be monitoring compliance of the private development pieces with these documents, and will be providing design assistance on landscaping and other aesthetic designs and site features. Completed work includes demolition of main building (summer 2020), construction of Holiday Drive and right turn lane from US-24 (summer 2022), traffic signal modifications (summer 2022), daylighting of Mason Run Drain (summer 2022), demolition of the boiler house and silo (summer 2022), and construction of new Dairy Queen (fall 2022). One additional private development, a three-unit commercial building, is nearing completion east of US-24 and north of Holiday, and at least one of the tenants is expected to open next month.

Phase 2 infrastructure involves construction of Huber Drive between its current end and Greenfield Avenue, retention pond, culvert crossing Mason Run Drain, the storm system for the rest of the site, and other related elements. The City Council awarded the contract to E.R. Zeiler Excavating of Temperance at their June 20 meeting. Zeiler installed a sanitary sewer extension in August to serve a new multi-unit commercial building, and returned in October to begin the underground utilities, with the roadway curbs and paving to be performed in spring 2023. The pond has now been excavated, and they are continuing work on the storm sewers this week.

12. **2022 CONCRETE PAVING PROGRAM:**

This contract was awarded to GV Cement Contracting of Brownstown Township, and included fourteen locations throughout the City. Work was completed over six (6) weeks ahead of schedule. A few punch list items remain, and the contract can be closed out when these are completed and we receive final waivers.

13. **CAIRNS PARK REDEVELOPMENT:**

Russell Design of Northville is our lead design firm for the wholesale redevelopment of Cairns Park in conformance with the Recreation Master Plan, and the Engineering Department is overseeing the design and construction with technical assistance from Russell and AEW Engineers. A jurisdictional transfer was approved by the City Council on October 3, so Roessler Street will become a City street in conjunction with this project. We are working with DTE to place overhead lines that currently cross over the play area underground instead, and this is expected to occur at any time. A contract with Salenbien Trucking & Excavating of Dundee was approved at the November 7 City Council meeting. Additionally, direct purchases of play equipment, a shelter structure, and other site furnishings from Penchura, and a splash pad unit from Vortex were also approved on November 7, as was an agreement with DTE Energy for lighting. The completion date is November 15, 2023, and the contractor will not likely begin any activities until spring.

14. **DUMPSTER ENCLOSURES:**

The Engineering Department will be the lead party in consultation with the Downtown Development Authority (DDA) and City Manager's office in programming for enclosures for common dumpsters in the Riverfront Parking Lot. Russell Design of Northville is our architect and has completed plans and specifications. GV Cement is willing to complete the concrete work as a change order to their concrete paving contract, so we have asked them to quote the concrete and masonry work, but this has not yet been received. If they are unable to complete the work this fall as it now appears, it is likely the project will have to be bid for spring 2023 construction due to contractor availability. The landscaping will likely be omitted from the bid and awarded separately.

15. **MARTIN LUTHER KING JR. MEMORIAL FOOTBRIDGE IMPROVEMENTS:**

Following a scoping meeting with the Engineering Department, Fishbeck Engineers of Novi developed a proposal to provide options for rehabilitation or replacement of several elements on the bridge. These include repair of the south side steps, replacement of the chain link fence, lighting options (both passive and active), repainting of the entire bridge, and other relevant items. A design contract was awarded at the July 5 City Council meeting, and the Engineering Department will be heading up the coordination process, including development of various concept-level options, public interface, and to begin to seek outside grant sources or trails millage monies for 2023 or 2024 construction, as this project does not yet have adequate funding through the Capital Improvements Program. A kick-off meeting was held with the consultant on August 1, and we are scheduling a meeting to review conceptual lighting options within the next week or so. The entire St. Mary's Park will be surveyed as well by Fishbeck per City Council award of September 19, as redesign of the bridge may spill over into the park as needed to modify the approach ramp.

16. **NORTH CUSTER ROAD PEDESTRIAN IMPROVEMENTS:**

The 2021-22 CIP included funds for additional pedestrian enhancements of the North Custer Road corridor, including additional signage, and possibly signalization. Due to time constraints, the Engineering Department did not begin work on this project in 2021, but still intends to begin review of options this year. Some options for solar-powered actuators that cause warning signs to be lit up when pedestrians are in the vicinity are being strongly considered first, as the full deployment of HAWK pedestrian signals will involve extensive costs and lead times.

17. **RIVERVIEW AVENUE RESURFACING - MAYWOOD TO COLE:**

This project was our 2022 Federal Aid project, which also committed our 2023 funds through the Advance Construct process. Since this is administered by MDOT, paperwork closeout will take several months.

18. **AIRPORT TAXIWAY REHABILITATION:**

The City receives an allocation of \$150,000 each year for airport capital improvements, which can be banked for up to four (4) years for use. The next project, planned for 2023 construction, is the rehabilitation of the primary parallel taxiway, which was originally constructed in 2002. Our standing consulting firm, C & S Companies of Livonia, has been cleared to begin design work, and we are hoping to receive formal funding contract documentation to be approved at City Council within the next month. The project is targeted for summer or fall 2023 construction.

19. **DOWNTOWN GEOMETRIC MODIFICATIONS:**

Within the 2022-23 CIP, funding has been proposed to review and model various geometric changes within the Central Business District. These include, but are not limited to, necessary physical changes to facilitate conversion of Front, First, Cass, and Washington Streets to two-way traffic, and a potential roundabout at the intersection of Front and First Streets. The City will be engaging a consultant, likely OHM Advisors, to review potential options, and the Engineering Department will likely coordinate the consultant's work and oversee any future projects. A formal schedule has not yet been set, but the Engineering Department plans to schedule a kick-off meeting with DDA representatives this month. Consulting work will likely commence later this year or early 2023, with construction not likely to occur until at least 2024.

20. **STORM SEWER SEPARATION - CASS STREET - SEVENTH TO SIXTH:**

The Wastewater Department has identified a section of their sanitary sewer that is receiving clear water runoff from some catch basins on this block, so a storm sewer must be extended on this block to connect these basins. Since this work is required by our Corrective Action Plan, the Engineering Department will work with E.R. Zeiler Excavating for pricing to perform this work as soon as they are available, though it may not occur until spring 2023 when they mobilize for either the La-Z-Boy Phase 2 or Saint Mary's Gardens projects.

21. **NEW POLICE STATION:**

City Administration has been reviewing the need for a replacement for the City Police Station for a few years, and this was also originally considered in the construction of Fire Station #1 on East Third Street. During 2020 and 2021, alternate sites were reviewed for effectiveness and costs as properties became available for sale, and the Fire Station #1 site is now the proposed site, based on several advantages. Administration has been moving forward with development of a building layout and cost estimates, the Engineering Department will be coordinating the overall process, and the Public Safety Director will be leading the review of the spatial layout and programming elements of the facility. During 2022, Redstone Architects and Auch Construction, the architect and construction manager on the previous fire station project, prepared schematic layouts and cost estimates, and a staff / Council steering committee has met every two (2) weeks to guide the process. At the August 1 meeting, the City Council voted to place a dedicated millage on the November 8 ballot. If the millage request is successful, site work would likely begin in summer 2023, with building work beginning shortly thereafter.

22. **RAIL GRADE SEPARATION FEASIBILITY STUDY:**

City Council approved a proposal at the July 5 meeting from the Mannik and Smith Group in partnership with Quandel Consultants to perform a comprehensive study of the west side rail crossings and Elm and Front, to determine feasibility and costs of a possible grade separation. Their work efforts are designed to potentially take advantage of newly-available targeted Federal monies. The Engineering Department will coordinate the process as needed. Based on the results of the study, City Council approved of a submission of a grant application to grade separate West Elm Avenue at their October 3, though the result will not be known for several months.

23. **2023 UNDERGROUND UTILITY AND PAVING PROGRAM:**

As a result of significant advanced planning by the Engineering Department the last two (2) years, design activities are well underway on much of our 2023 underground utility and paving program for 2023. Based on discussion of upcoming projects at a City Council work session on August 29, the following projects are expected to comprise this program. We are hoping to bid this work by the end of the year to ensure contractor availability. The individual projects and status are as follows:

- Location A: Washington Street – Eighth to Third – water main replacement from Seventh to Fourth, and reconstruction of the entire roadway and some curbs in new concrete pavement. The first draft of the design is completed and is undergoing staff review.
- Location B: East Seventh Street – Monroe to Washington – water main replacement and reconstruction of roadway and all curbs in concrete. The first draft of the design is completed and is undergoing staff review.
- Location C: East Fifth Street – Monroe to Scott – roadway reconstruction only, some curb replacement. The first draft of the design is completed and is undergoing staff review.
- Location D: East Willow Street – Monroe to Macomb – water main replacement, reconstruction of roadway and all curbs in concrete, plus storm sewer changes. The first draft of the design is completed and is undergoing staff review. This project will also include narrowing the block between Monroe and Tremont from 34 to 26 feet.
- Location E: East First Street – Washington to Macomb – water main replacement, reconstruction of roadway and all curbs in concrete. Design is underway, and we are reviewing different options for decorative pavement for Loranger Square to replace the bricks that are not likely to survive being reset.
- Location F: Arbor Avenue – Linwood to Orchard – water main replacement, reconstruction of roadway and all curbs in concrete. Design is underway.
- Location G: West Fifth Street – Harrison to Monroe – water main replacement, reconstruction of roadway and all curbs in concrete. Design is underway.

24. **SOUTH CUSTER BOOSTER STATION EXPANSION:**

Jones and Henry Engineers, Ltd. has been performing design work for the Water Department for a capacity expansion of the South Custer Booster Station, located in front of the Monroe County Fairgrounds. They have completed draft plans and specifications, which are under-going review. Once any necessary changes are made, the project will be bid for construction, and the Engineering Department will administer the construction contracts. It is expected that the project will be ready to bid by the end of the year.

25. **RIVER RAISIN NATIONAL BATTLEFIELD PARK EDUCATIONAL CENTER HVAC REPLACEMENT:**

James S. Jacobs Architects has been the lead architect in coordinating improvements to this facility, which is owned by the City of Monroe. The next phase in the facility improvements is replacement and upgrades to a portion of the building heating, ventilation, and air conditioning (HVAC) rooftop system. The plans and specifications are completed, and the Engineering Department will administer the contracts and package for bidding. A tentatively advertisement date is planned for November 14, and an award is planned for the December 19 City Council meeting. The work is being paid for by the Battlefield Foundation state appropriation.

Prepared by: Patrick M. Lewis, P.E., Director of Engineering and Public Services