



City of Smithville, Missouri

Board of Aldermen - Work Session Agenda

February 7, 2023

6:30 p.m. – City Hall Council Chambers and Via Videoconference

Anyone who wishes to view the meeting may do so in real time as it will be streamed live on the City's FaceBook page through FaceBook Live.

For Public Comment via Zoom, please email your request to the City Clerk at ldrummond@smithvillemo.org prior to the meeting to be sent the meeting Zoom link.

1. Call to Order
2. Public Works - Projects Update
3. Adjourn

Join Zoom Meeting
<https://us02web.zoom.us/j/81686815959>

Meeting ID: 816 8681 5959
Passcode: 334602





Date:	February 1, 2023
Prepared By:	Charles F. Soules, PE - Director of Public Works
Subject:	Project Updates

At Tuesday's work session, staff will present an update on public works project currently underway or in the design stages.

River Crossing

Our current distribution system has restricted capacity to supply water to the North Water Tower. In order to stabilize pressures between the north and south towers and prevent the south tower from overtopping the water master plan recommends that the City install a continuous 12-inch supply line from the water treatment plant to the north tower. The River Crossing Project is the first phase to accomplish this goal. The project will tie onto the 12-inch main installed on Main Street heading north through Heritage Park, under the river and tie into Maple just south of 3rd Street. This project is under design and will be bid in the fall. On the agenda is an amendment with HDR for additional survey work required to revise the alignment.

Aerobic Digester Improvements / Floating Aerator

This project is under construction. David E. Ross Construction is the contractor. The project bid was \$491,900. The work is progressing, but not unlike other projects, the delivery of the driver for the floating aerator has been delayed. The original completion date was December 2022, the project completion date is now projected in April 2023. The project includes a sludge pump, catwalk, new electrical, variable speed pump, drivers, headworks, and floating aerator.

144th Street Lift Station and West Interceptor

This project is in the final design phase. Staff is currently working with property owners to secure easement for the force main. In the upcoming weeks, the Board will need to take steps towards eminent domain for three properties that staff is not making any progress towards securing the easements needed. The project includes a regional lift station that will accept wastewater from Hills of Shannon allowing the decommissioning of that pump station and converting it to gravity, ability to decommission the McDonalds and Platte Valley Bank lift stations, serve the Fairview Crossing Development and additional development in southern Smithville, and have capacity for Forest Oaks. The west force main will extend from the 144th Street pump station to Cliff Drive. The project will bid in late spring/early summer.

Raw Water Pump Station

Bid was awarded to Irvinbilt Constructors June 15, 2021, with expected completion date of June 2022. Due to material supply and parts /equipment issues, the completion date is expected this April 2023. The pump station is complete, and the copper ion generator is on site. The new valve vault needs to be completed and we have been waiting on the Corps project to finish up. The Corps has been installing new underdrain system and have material stored / stockpiled in the area where the valve vault will be located. The Corps project is expected to wrap up in next few days. Once the valve vault is completed we will be able to tie the new pump station into the 12-inch main to the water plant.

Smith Forks Lift Station

The Smith Forklift Station is complete and running. We are still waiting on the backup generator. Expected to be delivered in February / March. While the lift station is running, we believe there is a blockage / restriction in the force main line. Staff is discussing a solution with HDR and will bring back to the Board additional information at the next Board meeting.

Streetscape Phase III

Improvements will be on Bridge Street from Church Street to First Street. The project includes new sidewalks on both sides of Bridge St, curbs, storm sewer, overlay, bike sharrows, lighting, trees, and a new railing on the bridge. The City received a grant from MARC in an amount of \$488,000 with a total project estimate of \$960,000. The project will be bid by MODOT in May with construction this summer.

Other Projects

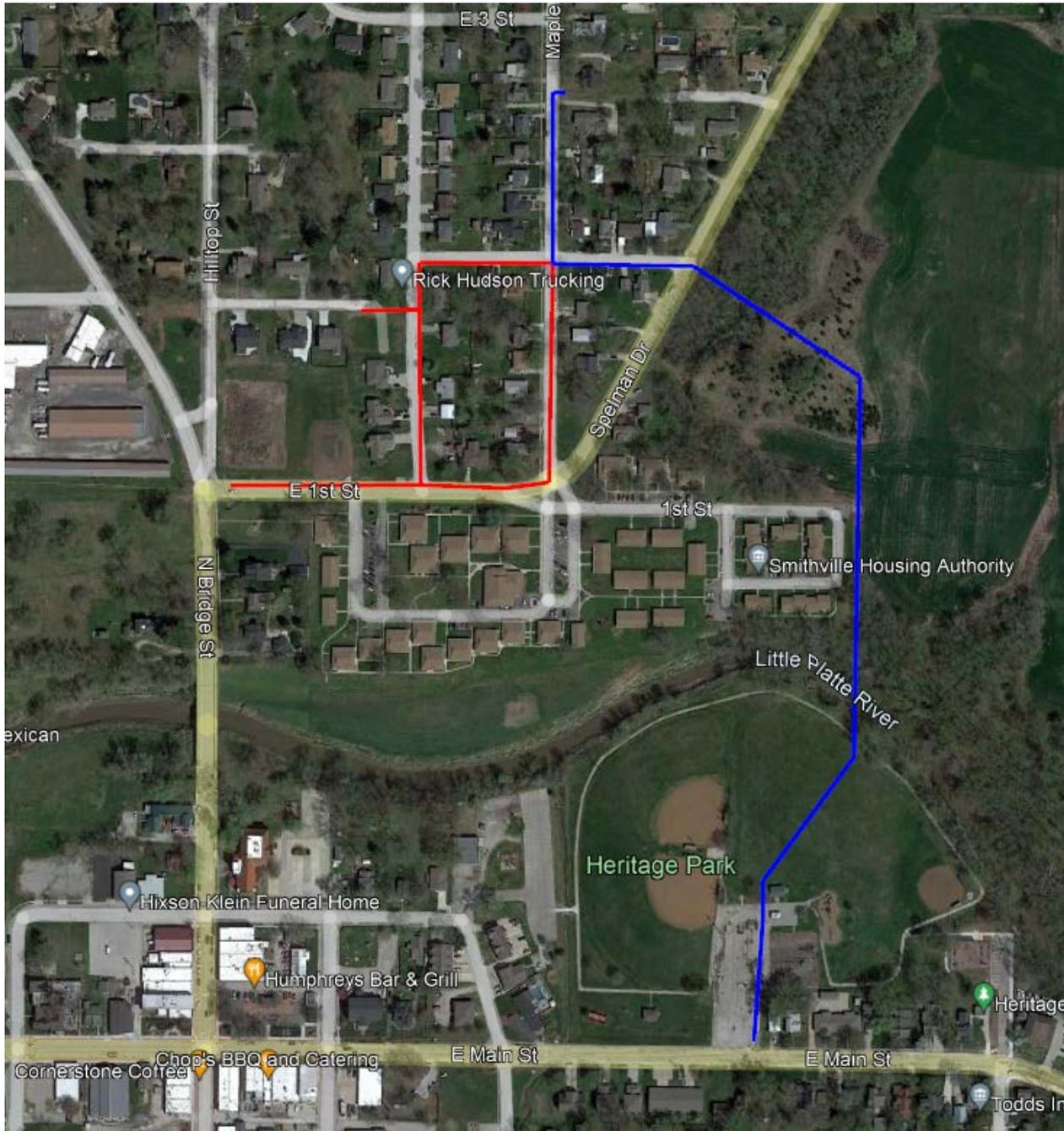
- *Winner & Woods* – Watermain nearly complete, overlay summer 2023
- 4th St and 4th Terrace – Water, storm, sewer, street improvements, easements complete, bidding March
- *Quincy Avenue* – Watermain, storm sewer, street and sidewalk improvements, need to acquire easements, bidding Spring 2023
- *CIPP program* – Quincy Avenue, Bidding February
- *Sidewalk maintenance program*- Liberty Road, letters to property owners will be mailed February bid in March
- *Water Plant improvements* – determining scope including filter rehab, valve replacement and additional rehabilitation items
- *2023 Street Maintenance Program* – Micro-surfacing Spellman, bid spring with construction in summer
-

Finally, on July 19, staff reported the need to order 107 meter setters for development and City projects. We have finally received the parts and invoice. At the February 21st

Board meeting, staff will present a Resolution authorizing payment for these parts totaling \$25,021.05.

Construction 2023





RIVER CROSSING

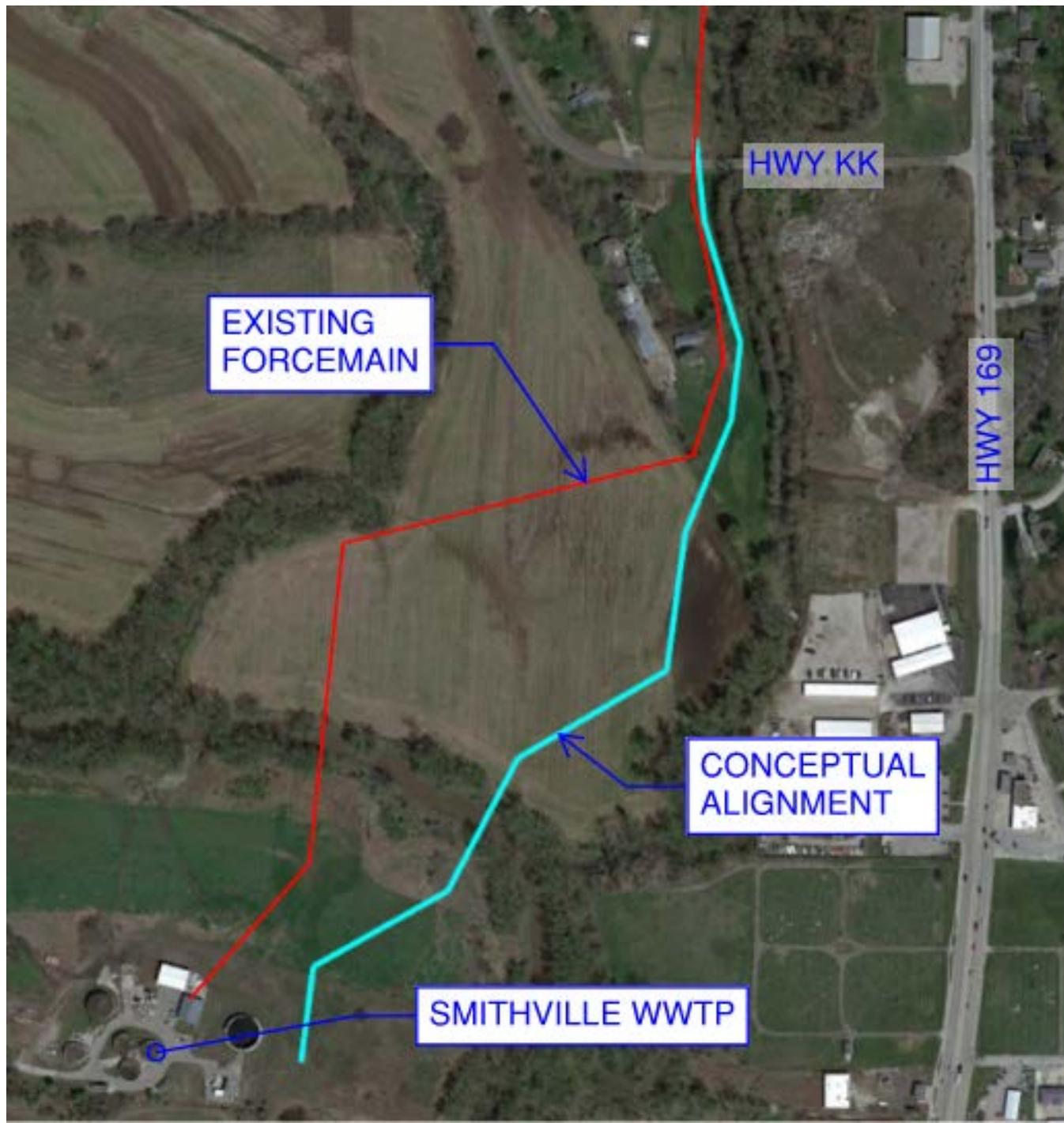


Aerobic Digester Improvements





144th Street Pump Station & West Force Main



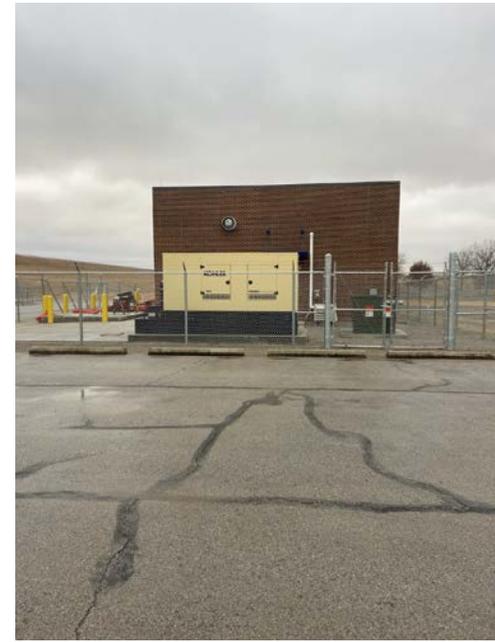
OWENS BRANCH SANITARY SEWER INTERCEPTOR



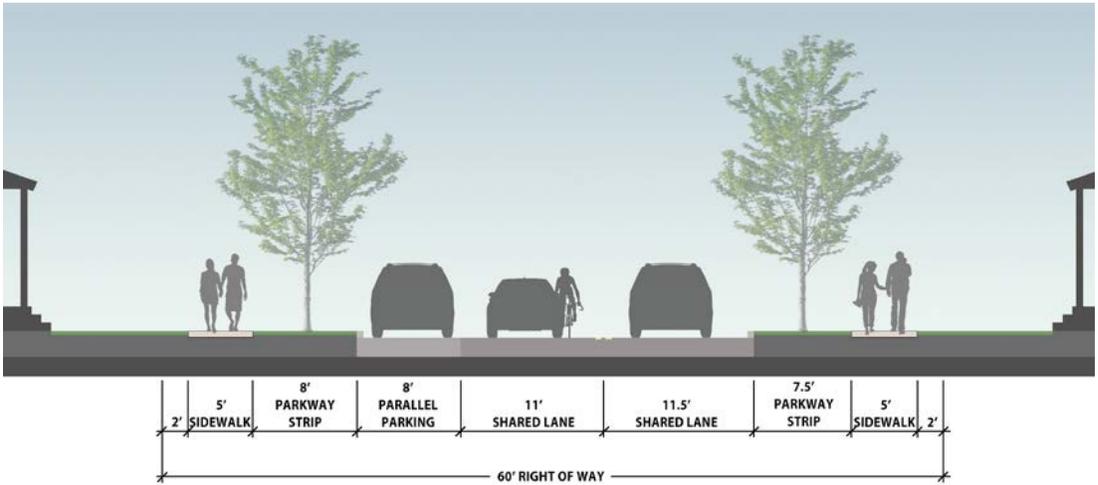
**Smith Forks
Sewer Pump
Station**



Raw Water Pump Station



STREETSCAPE PH III



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