

# SMITHVILLE BOARD OF ALDERMEN

## WORK SESSION

February 7, 2023, 6:30 p.m.  
City Hall Council Chambers and Via Videoconference

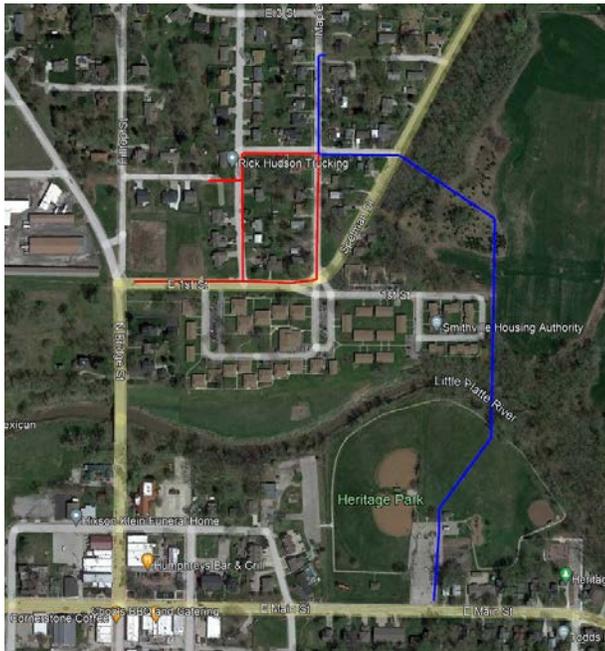
### 1. Call to Order

Mayor Boley, present, called the meeting to order at 6:30 p.m. A quorum of the Board was present: Leeah Shipley, John Chevalier, Ronald Russell, Marv Atkins, Dan Ulledahl and Dan Hartman.

Staff present: Cynthia Wagner, Gina Pate, Chief Jason Lockridge, Chuck Soules, Matt Denton, Stephen Larson, Jack Hendrix and Linda Drummond.

### 2. Public Works – Projects Update

Chuck Soules, Public Works Director, presented an update on the public works projects that are currently underway or in the design stages.



RIVER CROSSING

#### River Crossing

*Our current distribution system has restricted capacity to supply water to the North Water Tower. In order to equalize the pressure 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 3<sup>rd</sup> 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.*

Chuck explained that we entered into an agreement with HDR Engineers to design this project. Our Water Master Plan calls out for a continuous 12-inch water main to go

from the Water Plant all the way to the North Water Tower. This is to equalize the pressure between the north and south systems. The river crossing is the first phase or could be considered the second phase because we already have the 12-inch line on Main Street. This will tie into the 12-inch main that we laid on Main Street when the Streetscape project was done. The 12-inch main will go north go around the Housing Authority and tie back in on Third Street. There is also going to be some additional distribution work on the streets where you see the red lines above. The project is under design now and on the agenda this evening is a change order with HDR for an additional \$11,000 for surveying services.

Alderman Russell asked if this would have any impact on development or any future development in that area.

Chuck asked if he was referring to the vacant lot.

Alderman Russell said he was.

Chuck explained that it will allow them to have water available.

Chuck explained that the additional surveying services are needed because the initial alignment was going to go right through on the Housing Authority property. Instead of tearing up their parking and driveways staff thought it would be better to go around them and it will be cheaper for construction and we will not have to disrupt the Housing Authority. This is the reason for the additional \$11,000.



## Aerobic Digester Improvements

### **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.*

Chuck noted that the aerobic digestive improvements and the floating aerator in the pictures above show the new catwalk in the left-hand corner. Pictured in the right-hand corner is the digester that was cleaned, and some new electrical projects are also pictured. The project is under construction, David E. Ross is the contractor. Chuck explained that not unlike any of our other projects, equipment, materials, supplies and motors, VFD's, etc. is taking time to get. Chuck noted that originally this project was expected to be done in December and now we are looking at April, 2023. This project includes a sludge pump, catwalk, new electrical, speed pumps, drivers, head works and floating aerator but there are some parts that are on backorder, but they are expected to come in and we do expect it to be done by April.



## 144<sup>th</sup> Street Pump Station & West Force Main

### **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 144<sup>th</sup> Street pump station to Cliff Drive. The project will bid in late spring/early summer.*

Chuck explained that this project is going to start on 144<sup>th</sup> Street and will pump to the Wastewater Treatment Plant. The reason for this is to take off the Hills of Shannon Pump Station and convert it to gravity which will drain down into this line. There are other pump stations, the McDonald's Pump Station and the Platte Valley Bank Pump Station that in the future we will be able to gravity into this line. Future development will also be able to use this lift station. It will have capacity for Forest Oaks if we get the line from Forest Oaks up to 144<sup>th</sup> Street it will dump into this pump station. Staff is currently working on getting the easements and have gotten all of them but three. Chuck noted that in the next few weeks we will probably have some action to begin the eminent domain process, due to not coming to terms with the three property owners. We have obtained ten of the easements needed.

Alderman Ulledahl asked what the three remaining properties were zoned.

Chuck said that one is AG, one commercial and the one is residential.

Alderman Russell asked if the capacity of this pump station be enough for all of Forest Oaks.

Chuck explained that it will have enough capacity for any development south of 144<sup>th</sup> Street.

Mayor Boley explained that the Forest Oaks project is part of the Water Resources Development Act (WRDA), and we are waiting on legislation to decide when it can be completed. So, it could happen sooner than we expected.

Chuck noted that when he first started with the City they were working on the 144<sup>th</sup> Street Pump Station and Forest Oaks line and we have since found that we need to have this West Bypass line in first before we put that online. That is why Forest Oaks is not included at this time, but it is nearly ready to bid as far as design goes and we still need some easements for that project if it were to move forward and get funded.



## **OWENS BRANCH SANITARY SEWER INTERCEPTOR**

Chuck noted that the Owen's Branch and Sanitary Sewer Interceptor shown in the picture is the blue-green line. There is an existing force main, which is shown in the red. The Owens Branch line is going to go from Wastewater Treatment Plant all the way up to KK Highway. It will basically relieve or take away the need for that force main and will be a gravity sewer about 2,800 feet of 30-inch gravity line. The agreement with HDR for the design is on the agenda at the regular meeting this evening.



**Smith Forks  
Sewer Pump  
Station**



**Raw Water Pump Station**



### **Raw Water Pump Station**

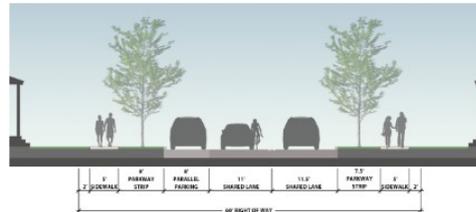
*Bid was awarded to Irvinbilt Constructors June 15, 2021, with expected completion date of June 2022. Due to material supply and parts /equipment issues, the completion date is expected this April 2023. The pump station is complete, and the copper ion generator is on site. The new valve vault needs to 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.*

Chuck noted that the Raw Water Pump Station now has all the parts, and we have the generator for it. We do not have the generator yet for the sewer pump station. We still have to do the valve vault by the dam. He explained that the Corps of Engineers has a project and they are finishing up and they were doing some underdrain work and their contractor had there lay down yard and spoils in the area where we were going to put our valve vault. When their contractor was using the area in December the decision was made that it was not going to be good time for concrete, not going to be good time for to turn the water off and switch it over to do the changeover, nor was it going to be good time for painting and we needed to hold off. Staff made the conscious decision to hold this off and start in March when the Corps would be done with their project and we can get started again. Chuck said that we have the valve vault and it will take about six to eight weeks to complete it, get all the concrete work done, get the painting of the pipes that are going in there and then do the tie-in. We are looking probably mid-April to have that up and running.

The Smith's Fork Pump Station is done and it is running however, it is not running like we think it should. The pipe is not quite full at the discharge end which indicates there

is some kind of blockage or collapse in the piping. Staff is talking to HDR about the solutions for that. Chuck explained that it may be that we need to run a new force main from there all the way over he believes Fourth Street. Staff will probably bring this back to the Board sometime in the next couple of meetings to keep them informed as to what is going on. Chuck noted that the pump station is working and the pumps are working everything seems to be okay but we are not getting the flow we think we should through the pipe.

## STREETSCAPE PH III



### 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.*

Chuck explained that this is just a schematic of the project. The project is on Bridge Street from Church Street to First Street. We are going to have new sidewalks, curbs, mill and overlay, we will have bike share roads, new lighting, new railing on the bridge and we will have a little seating area on the south side of the bridge. On the west side and we will have a little plaque that will show the drainage basin of the Little Platte River as an educational piece. This project is partially being funded by MARC, about 50/50. MoDOT is to make the bid letting for the project May 5 and then we will get started on it. Staff is working right now with the properties to get the temporary easements we need so we can do the tie backs for the sidewalks and driveways to their homes and re-seed properly and make sure that the grades are set right.

### Other Projects:

Winner & Woods – Watermain nearly complete, overlay summer 2023

The water and service lines are complete and everyone has water. Chuck noted that the neighborhood has been great to work with even though they have had to put up with a lot. The contractor is waiting for warmer temperatures to pour the concrete because we do not want them pouring concrete on frozen subgrade. The concrete will

be poured up to the top and then this summer as part of the \$8 million MARC program we are receiving \$52,000 and we will do overlay all of Winner and Woods Street.

4th St and 4th Terrace – Water, storm, sewer, street improvements, easements complete, bidding MARC

We have all of the easements for the project and it has gone out for bid which closes on February 28. Staff will be bringing it forward for Board approval hopefully the first meeting in March. Chuck explained that this will be a large project because there are a lot of access issue there because of all the narrow dead-end streets.

Quincy Ave – Watermain, storm sewer, street and sidewalk improvements, need to acquire easements, bidding Spring 2023

We are also including a sidewalk in this project. There are 55 easements that staff will have to obtain. Chuck explained that we are probably looking at late spring for this project

CIPP program – Quincy Avenue, Bidding February

Chuck explained that this is the cured and place pipe program (slip-line program). This is currently out to bid and it closes on February 28. Staff will be bringing it forward for Board approval the first meeting in March

Sidewalk maintenance program- Liberty Road, letters to property owners will be mailed February bid in March

Sidewalks on Liberty have been marked with different color paint showing which ones that need to be replaced or repaired. The different color paint designates what the City is paying for and property owner and the City are sharing the cost on.

Water Plant improvements – determining scope including filter rehab, valve replacement and additional rehabilitation items

Chuck noted that we have a million dollars budgeted to do some major maintenance items.

2023 Street Maintenance Program – Micro-surfacing Spellman, bid spring with construction in summer.

Chuck noted that 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 21 Board meeting, staff will present a Resolution authorizing payment for these parts totaling \$25,021.05.

Chuck also noted that we will have the initial Stormwater Master Plan findings at the February 21 work session presented by GBA. Chuck explained that we have held public meetings, internet presence and the Stormwater page on the website where we take input. We have also interviewed staff and they looked at all the issues that came up and received suggestions.

Alderman Russell asked if the meters setters would be billed to developers.

Chuck explained that it is all figured in when they get a new tap.

**3. Adjourn**

Alderman Ulledahl moved to adjourn. Alderman Hartman seconded the motion.

Ayes – 6, Noes – 0, motion carries. Mayor Boley declared the Work Session adjourned at 6:45 p.m.

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Linda Drummond, City Clerk

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Damien Boley, Mayor