



OPEN HOUSE FACT SHEET

Main Street Water Main Upgrade Project Pitman St. to Tom Ginnever Ave.

Tuesday, August 16, 2016

4:30 p.m. – 7:00 p.m.

O'Fallon City Hall

WELCOME

Welcome to the open house for the Main Street Water Main Upgrade Project in the City of O'Fallon. This meeting is to inform residents about the proposed improvements and gather input regarding any issues with the project corridor. Another open house will be scheduled when the plans are complete, prior to construction.

This is an informal meeting. Please review the available materials and feel free to ask questions. Representatives from the City of O'Fallon and the design consultant team are available to answer any questions that you may have regarding the proposed improvements.

PROJECT LOCATION

Although the water main runs the entire length of Main Street, this project will focus on the area where the water main breaks are the most common, which is Main Street from Pitman St. north to Tom Ginnever Ave.

WHAT IS THE PROBLEM WITH THE WATER MAIN?

The water main under Main Street is from the 1960s and older and is in need of repair. Multiple water main breaks on Main Street each year cause traffic delays and inconvenience businesses and residents who are without water for a short period of time during these breaks. The water main is experiencing failures due to:

- Corrosive Soils – Clay soil is corrosive to the cast iron pipe in the ground. This was verified through geotechnical borings.
- Velocity in Pipe – The American Water Works Association recommends keeping velocities in water mains at less than 5 feet per second. Current water main velocities are 5.15 feet per second. Over long periods of time, this increased velocity above the nationally recommended standard will lead to the premature failure of pipes.
- Resistance – Resistance in water systems is referred to as headloss. Headloss in the Main Street water main is attributed to a large amount of water passing through a pipe too small to handle that demand. The American Water Works Association recommends headloss to be less than 10 ft/1,000ft, and the current water main is experiencing headloss of 19.94 ft/1,000ft, almost twice the national recommendation. This is another reason the water main is failing. Increasing the size of the pipe will greatly reduce the headloss.
- Age – Everything in this world has a useful age, and the cast iron pipe is too old for reliable performance.

HOW CAN THE WATER MAIN BE FIXED?

The City reviewed three different technologies for replacement: – lining the existing pipe and leaving it in place (Cured In Place Pipe), drilling a new, larger line (Horizontal Directional Drilling), or replacing the existing pipe with a new, larger pipe. It is important to understand that no matter which technology is selected, there will be some traffic impacts with each.

City Staff and the design team have selected replacement as the appropriate technology for upgrading the water main. If you would like further information as to how this technology was selected, please ask a City Staff or design team member.

WHAT OTHER IMPROVEMENTS WILL BE ASSOCIATED WITH THE PROJECT?

The water main is not the only water line beneath Main Street. There are water lines that connect to the Main Street water main from side streets such as Civic Park Dr., Elm St., etc. Also, each building on or near Main Street has a water service connection to the water main. Every side street connection that crosses under Main Street will be replaced, and each water service connection from the water main to the water meter outside each building will be replaced.

WHAT KIND OF TRAFFIC IMPACTS CAN MOTORISTS EXPECT DURING CONSTRUCTION?

It is anticipated that there will be lane restrictions primarily in the northbound lanes for areas under construction, but **the City will require the contractor to keep traffic flowing through Main Street at all times.**

IS THIS DESIGN COMPLETE?

No. Currently, design is at 30%. City Staff will continue to work with the design team and meet with businesses and residents to finalize design. Changes to the current design are expected.

WHAT IS THE CONSTRUCTION SCHEDULE?

Design should be completed by the end of 2016. The project will be bid out in early 2017, and once a contractor is selected, construction will begin. Staff anticipates construction to begin no earlier than March, 2017. The project will be phased so that Phase 1 will be from the railroad tracks to Tom Ginnever, and Phase 2 from the railroad tracks to Pitman Street. Staff is optimistic that construction can be completed by the end of 2017, but staff understands that weather and other variables may delay the completion into 2018.

WHAT IS THE COST OF THIS PROJECT?

The project is estimated to cost \$2.1 million.

YOUR INPUT IS WANTED!

The exact location of the new water main has not been finalized and we are looking for your input. Staff is considering installing it under the pavement in the current location, under the sidewalk or in the grass or green space on properties on Main Street. Let us know what you think.

Please submit your questions and comments on the form provided and return it today or email or mail comments to:

Chris Horvath, Water & Sewer Project Manager
City of O'Fallon
100 N. Main St.
O'Fallon, MO 63366
chorvath@ofallon.mo.us

All comments must be received by August 31, 2016.