Willamette River Watershed

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SW Yamhill-Morrison Sewer Repair Project
Construction Continues for Phase Two
SEPTEMBER 12, 2017

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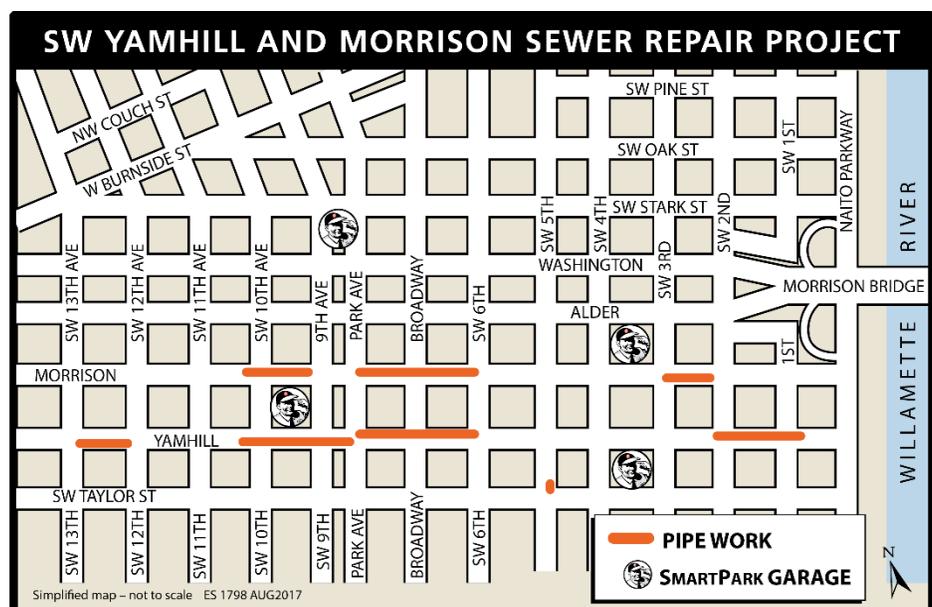**Cheryl.Kuck@portlandoregon.gov**

Environmental Services continues to construct repairs on 100 to 140-year-old public sewer pipes in SW Yamhill and SW Morrison Streets in downtown Portland that are in deteriorating condition. The sewer pipes are showing signs of cracks, breaks, holes, offset pipe connections, and root and grease obstructions, putting the pipes at risk of structural failure. Repairs will protect the public and the environment by reducing the possibility of sewage releases to buildings and streets.

Phases One and Two

Phase One of the project, completed in the spring of 2017, installed 3,200 feet (0.6 mile) of Cured-in-Place-Pipe Lining to repair mainline public sewer pipes.

Phase Two, which will continue now through this fall and perhaps even in early 2018, will repair another 2,700 feet (0.5 mile) of public sewer pipes in areas that were

SW YAMHILL AND MORRISON SEWER REPAIR PROJECT

identified as high risk, where crews were not able to safely bypass sewage flows from adjacent properties to repair the public sewer in the street this past spring. The three-week light rail closure wasn't enough time to complete that challenging work. Environmental Services is back in contact with those properties to discuss and plan repairs to take place this fall at the locations shown in the map.

What to Expect during Construction

Now through November, you may see crews working in and around buildings downtown, as well as along streets within the project area. These ongoing repairs will not affect light rail service, but they may create traffic delays and require temporary on-street parking removal in work zones.

To repair the public sewer in the locations shown on the map, the city will continue to employ a process called Cured-in-Place-Pipe Lining (CIPP). Work crews access the sewer from manholes to insert a flexible liner inside the old pipe. Hot water, steam, or ultraviolet light inflates and cures the liner, which gradually hardens to form a rigid, smooth surface that seals cracks and restores the pipe to near-new condition.

Continued on back

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People who live and work near a CIPP repair project can sometimes smell a chemical odor during the pipe-lining work. The odor is from the chemical styrene, which is in the resin liner installed inside the pipe. The odor dissipates quickly once the installation process is complete. The amount of airborne styrene produced by the lining process is not expected to cause health issues for workers or the public. Click here for more details about CIPP.

Vactor trucks will be in the area to operate vacuum pumps necessary to clean the pipes prior to the lining and maintain sewer service during the lining. Vactor trucks generate noise and will be in place for up to several hours at a time.

Phases and Duration of CIPP Work
The CIPP sewer pipe lining process will occur in phases:
- One day or night to set up the bypass service that will provide uninterrupted sewer service to adjacent buildings
- One day or night to line the sewer pipe and cure the lining so it hardens in place
- One day or night to reinstate the service lateral connections and remove the bypass service

The CIPP work requires dry conditions to complete, so the schedule may fluctuate due to weather and other factors, including conditions underground, traffic impacts, subcontractor schedules, and availability of materials.

Traffic Impacts
Expect traffic delays, temporary street closures, lane closures, traffic control signage, and flaggers as needed within the work area.
- Temporary street closures in the work zones shown in the project map will last approximately three days each as crews move from location to location to repair the sewer.
- Staging areas for materials and construction vehicles will be on most cross streets and will require some lane closures and parking removal.
- Bypass pumping to maintain sewer service during construction may require temporary cross-street closures with local access provided by flaggers.
- Where possible, bypass pump lines will be covered by ramps at intersections to enable through traffic, but traffic over ramps will be slowed by flaggers for safety.
- The city's SmartPark garages near our construction zones are included on the project map.

For More Information
If you have a question or concern, call the project hotline at 503-823-5315, leave a message, and your call will be returned by the next business day.
- Visit this project webpage for updates using the shortcut **www.portlandoregon.gov/bes/y-m**
- Sign up for email updates online by clicking the SIGN UP! button and selecting SW Yamhill and Morrison Sewer Repair form the dropdown menu
- Email city outreach staff at Cheryl.Kuck@portlandoregon.gov.

If you have a concern or question about a pipe repair near you, please be sure to include your name, business name, property address, phone number, and project name (SW Yamhill-Morrison) in your voicemail and email so we can provide you more details about what to expect in front of your property. Also, please write "SW Yamhill-Morrison" in the subject line of your email.

Downtown Open for Business
Environmental Services coordinates with multiple agencies to schedule and complete construction, minimize disruptions, and help people get to where they are going. Learn about other projects that affect the Central Business District at **www.MovePDX.net**. To avoid circling around construction to find parking, the City recommends you use SmartPark garages.