

working for clean rivers

# Portsmouth University Park Rehabilitation Project

## Council Item 151

Portland City Council | February 14, 2018



**Scott Gibson, P.E.,  
Principal Engineer**  
**Margaret Russell, P.E.,  
Project Manager**



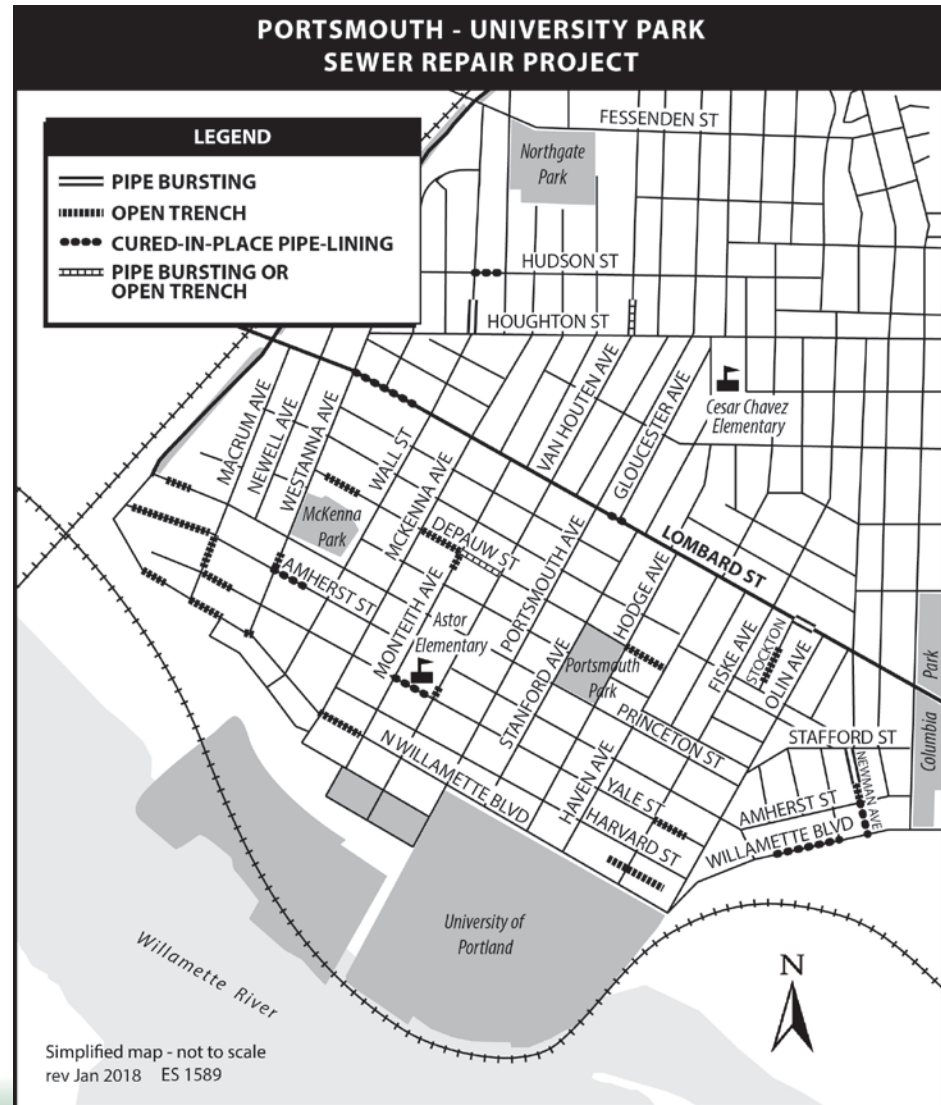
**ENVIRONMENTAL SERVICES  
CITY OF PORTLAND**

NICK FISH, COMMISSIONER  
MICHAEL JORDAN, DIRECTOR



# Project Overview

- 34 pipe segments
- 8,000 linear feet of pipe
- 8" to 30" diameter pipe (80% are 8-12")
- Primarily residential streets, one ODOT roadway (N Lombard)

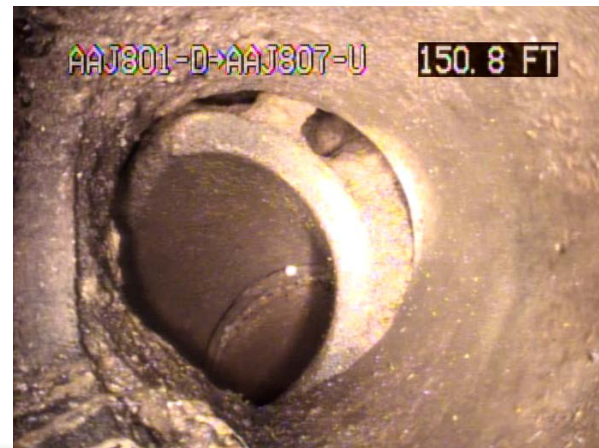


# Mainline and Lateral Defects

## Mainline



## Laterals



# Pipe Materials & Construction Methods

Construction Method	Number of Pipes
CIPP Lining	8
Pipe Burst	3
Spot Repair	2
Slip Lining	1
Open Cut	18
Open Cut or Pipe Burst	2



# Pilot Bidding Approach: Contractor Choice

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- Goal: obtain most competitive bid possible
- Allows contractor to choose construction method-- either Open-Cut or Pipe Bursting where appropriate
- All mainline pipe repair listed as separate bid item, with pipe-specific unit price (\$/FT)



# Public Outreach & Impacts

- Night work & noise variance in three locations due to
  - Traffic restrictions
  - CIPP cure times
- Coordination with business associations on Lombard and neighborhood associations.

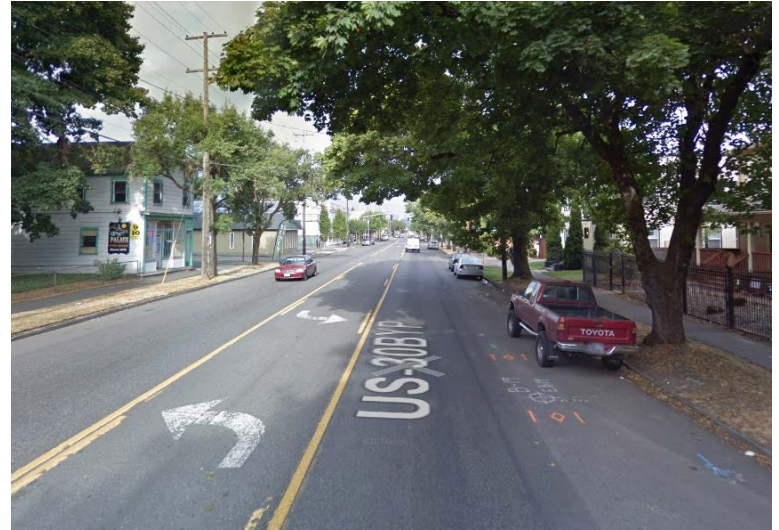


# Engineer's Estimate

Engineer's Estimate:  
\$4,110,000

Level of Confidence: Moderate

- Pilot testing new bidding approach new to contractors
- Rising bid prices in Portland area
- Potential pressure from labor / material availability



# Project Schedule

- Advertise Contract: Feb. 2018
- Begin Construction: Sep. 2018
- Construction Duration: 12 mo.



Questions?

