

working for clean rivers

**Authorize Alternative Contracting Method
Columbia Blvd Wastewater Treatment Plant
Wash Water & Hypochlorite Piping Replacement
Project E10567**



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Council Item 905
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**ENVIRONMENTAL SERVICES
CITY OF PORTLAND**

NICK FISH, COMMISSIONER
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CBWTP Wash Water and Hypochlorite Piping Project



WASH WATER PIPING



HYPOCHLORITE PIPING

Purpose: Replace critical process piping that is exhibiting signs of failure.



CBWTP Wash Water & Hypochlorite Piping Project

Wash Water Piping

- Wash water replacement section acts as the plant water “highway”
- Has no redundancy
- Failure could limit use of critical treatment systems and flood tunnel

Hypochlorite Piping

- Supports disinfection and odor control systems
- Has redundancy
- Failure would impact meeting discharge permit



Project Areas

**Columbia Boulevard
Wastewater Treatment
Plant Campus**



**Hypochlorite
Project Area**



**Hypochlorite
Project Area**



**Hypochlorite
Project Area**

**Wash Water
Project Area**

**Combined
Project Area**

HYPOCHLORITE
WASH WATER

N COLUMBIA BLVD

PORTSMOUTH AVE

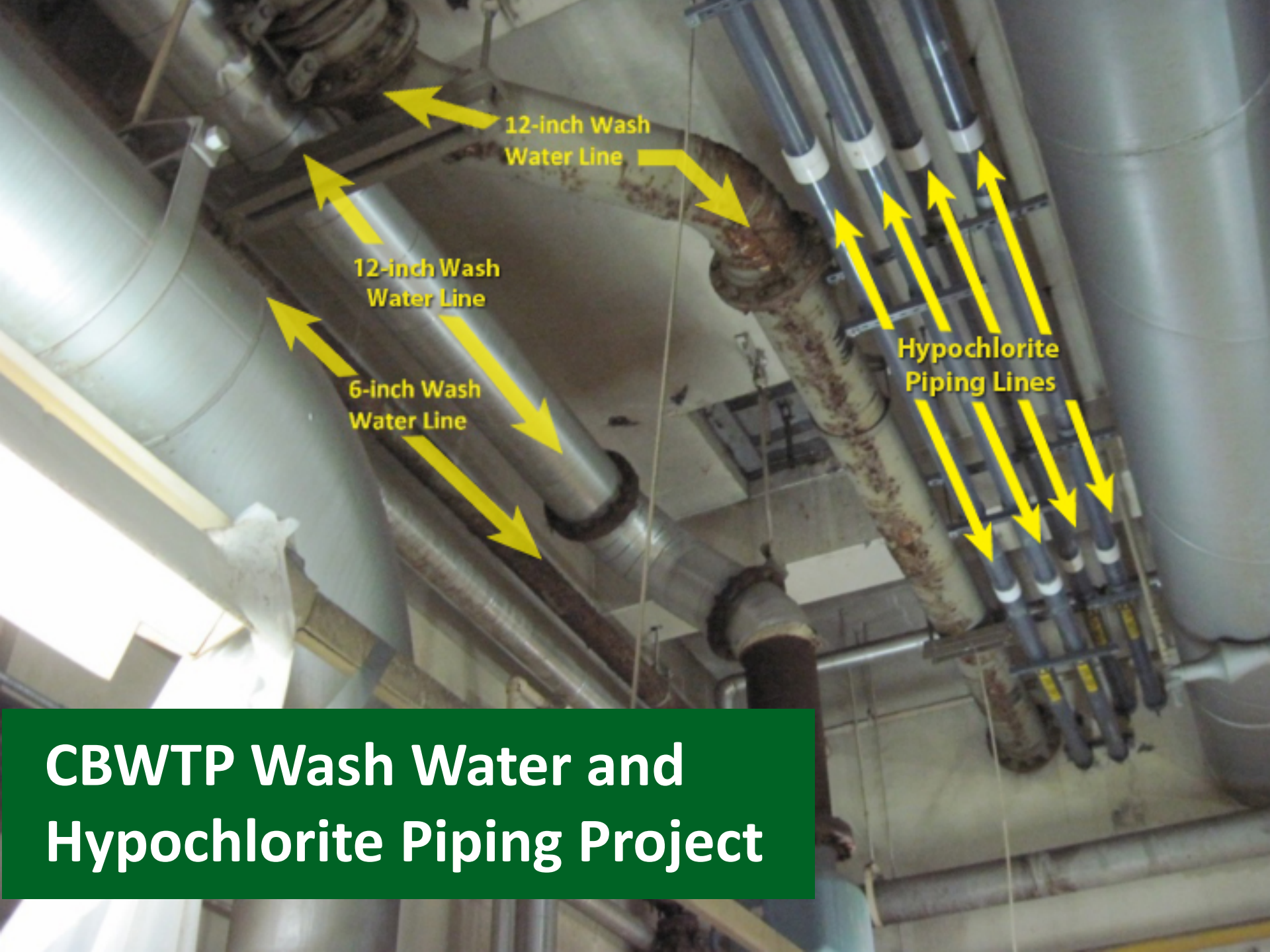
N COLUMBIA CT

**TO DOWNTOWN
PORTLAND**

N PORTLAND RD

**TO COLUMBIA
RIVER**

COLUMBIA SLOUGH



CBWTP Wash Water and Hypochlorite Piping Project

Project Schedule and Budget

- **2-Step RFQ/RFP for Design-Build:** Winter 2017 to Spring 2018
- **Council Date for Authorizing Design-Build Contract:** Summer 2018
- **Design Phase:** Winter 2018 to Fall 2019
- **Construction Phase:**
 - **Notice To Proceed:** Fall 2019
 - **Completion:** Fall 2020
- **Low Level of Cost Confidence**
 - Design-Build Contract estimate: \$4 M
 - Total Project Cost: \$5.4 M



Findings for Design-Build Solicitation Process

Competitive Bidding Requirements

- Does not discourage competition
- Likely will reduce project cost:
 - Designer and Construction Contractor collaboration
 - Early involvement reduces the risk of schedule delays and change orders



D/M/W/ESB Subcontractor and Supplier Plan

D/M/W/ESB Subcontractor Utilization Plan

- 20% of hard construction costs for DMWESB utilization
 - 14% of hard construction costs for DMW utilization



Recommendation

- To authorize an Ordinance exempting the competitive bidding requirements and authorizing Procurement Services to use an alternative competitive solicitation process



Questions?

Thank you

