

Portland, Oregon

FINANCIAL IMPACT and PUBLIC INVOLVEMENT STATEMENT For Council Action Items

(Deliver original to Financial Planning Division. Retain copy.)

1. Name of Initiator Scott Gibson	2. Telephone No. 503-823-7615	3. Bureau/Office/Dept. Environmental Services
4a. To be filed (hearing date): December 17, 2014	4b. Calendar (Check One) Regular <input checked="" type="checkbox"/> Consent <input type="checkbox"/> 4/5ths <input type="checkbox"/>	5. Date Submitted to Commissioner's office and FPD Budget Analyst: November 17, 2014
6a. Financial Impact Section: <input checked="" type="checkbox"/> Financial impact section completed		6b. Public Involvement Section: <input checked="" type="checkbox"/> Public involvement section completed

1) Legislation Title:

Authorize a contract with CDM-Smith for professional engineering services for the CSO Transients Relief Project No. E10490 for \$624,992 and provide for payment. (Ordinance)

2) Purpose of the Proposed Legislation:

Provide professional engineering services to complete the design for the CSO Transients Relief Project

3) Which area(s) of the city are affected by this Council item? (Check all that apply—areas are based on formal neighborhood coalition boundaries)?

- | | | | |
|--|------------------------------------|------------------------------------|--------------------------------|
| <input checked="" type="checkbox"/> City-wide/Regional | <input type="checkbox"/> Northeast | <input type="checkbox"/> Northwest | <input type="checkbox"/> North |
| <input type="checkbox"/> Central Northeast | <input type="checkbox"/> Southeast | <input type="checkbox"/> Southwest | <input type="checkbox"/> East |
| <input type="checkbox"/> Central City | | | |

FINANCIAL IMPACT**4) Revenue: Will this legislation generate or reduce current or future revenue coming to the City? If so, by how much? If so, please identify the source.**

None

5) Expense: What are the costs to the City as a result of this legislation? What is the source of funding for the expense? (Please include costs in the current fiscal year as well as costs in future years. If the action is related to a grant or contract please include the local contribution or match required. If there is a project estimate, please identify the *level of confidence*.)

\$624,992 is the total cost for the current and future years. Cost for current year is \$250,000. Cost for future year(s) is \$374,992.

6) Staffing Requirements:

- Will any positions be created, eliminated or re-classified in the current year as a result of this legislation? (If new positions are created please include whether they will be part-time, full-time,

limited term, or permanent positions. If the position is limited term please indicate the end of the term.)
 City staff will not be created, eliminated or reclassified in current year by this contract.

- **Will positions be created or eliminated in *future years* as a result of this legislation?**

City staff will not be created or eliminated in future years by this contract.

(Complete the following section only if an amendment to the budget is proposed.)

7) Change in Appropriations *(If the accompanying ordinance amends the budget please reflect the dollar amount to be appropriated by this legislation. Include the appropriate cost elements that are to be loaded by accounting. Indicate "new" in Fund Center column if new center needs to be created. Use additional space if needed.)*

Fund	Fund Center	Commitment Item	Functional Area	Funded Program	Grant	Sponsored Program	Amount

[Proceed to Public Involvement Section — REQUIRED as of July 1, 2011]

8) Was public involvement included in the development of this Council item (e.g. ordinance, resolution, or report)? Please check the appropriate box below:

☒ **YES:** Please proceed to Question #9.

☐ **NO:** Please, explain why below; and proceed to Question #10.

9) If "YES," please answer the following questions:

a) What impacts are anticipated in the community from this proposed Council item?

The local communities in the vicinity of the project will be informed and invited to provide comments and input during the design process.

b) Which community and business groups, under-represented groups, organizations, external government entities, and other interested parties were involved in this effort, and when and how were they involved?

Public outreach and community involvement will continue to be a principal component throughout the design and construction phases of the project. Prior to commencement of construction, the community will be invited to comment and provide input to the plan to mitigate temporary traffic impacts and noise disruption.

c) How did public involvement shape the outcome of this Council item?

City outreach staff were included in the drafting of the QBS RFP.

d) Who designed and implemented the public involvement related to this Council item?

Kurt Robinson designed the contract to augment City outreach staff with public outreach professionals. The public outreach professionals are a subcontractor to CDM-Smith and have collaborated with City outreach staff to successfully implement public involvement on numerous sewer projects for the City.

e) Primary contact for more information on this public involvement process (name, title, phone, email):

Megan Callahan, Public Outreach Manager, 503-823-4759. Megan.callahan@portlandoregon.gov.

10) Is any future public involvement anticipated or necessary for this Council item? Please describe why or why not.

Public involvement is integral to the scope of work for the design phase of the CSO Transients Relief Project. Outreach staff will conduct public meetings and gather input from the community to help base selection of the best alternative, obtain permits, and minimize community impacts during construction.

A rectangular box containing a handwritten signature in blue ink. The signature appears to be 'James Hagerman'.

James Hagerman, Interim Director, BES

working for clean rivers



ENVIRONMENTAL SERVICES
CITY OF PORTLAND

NICK FISH, COMMISSIONER | DEAN MARRIOTT, DIRECTOR

Item 1324: Combined Sewer Transient Relief BES Project E10490

Scott T Gibson, PE
BES Engineering Services
December 17, 2014

Authorize a Contract with CDM-Smith in the amount of \$624,922



Completed Air Relief
Vault for Balch
Pipeline

- Selection process was competitive and based on qualifications
- CDM-Smith assembled a team that includes 21.6% M/W/ESB participation
- Level of Confidence in the contract estimate is high
- Total project budget is \$1,020,000
- Confidence in the project estimate is moderate



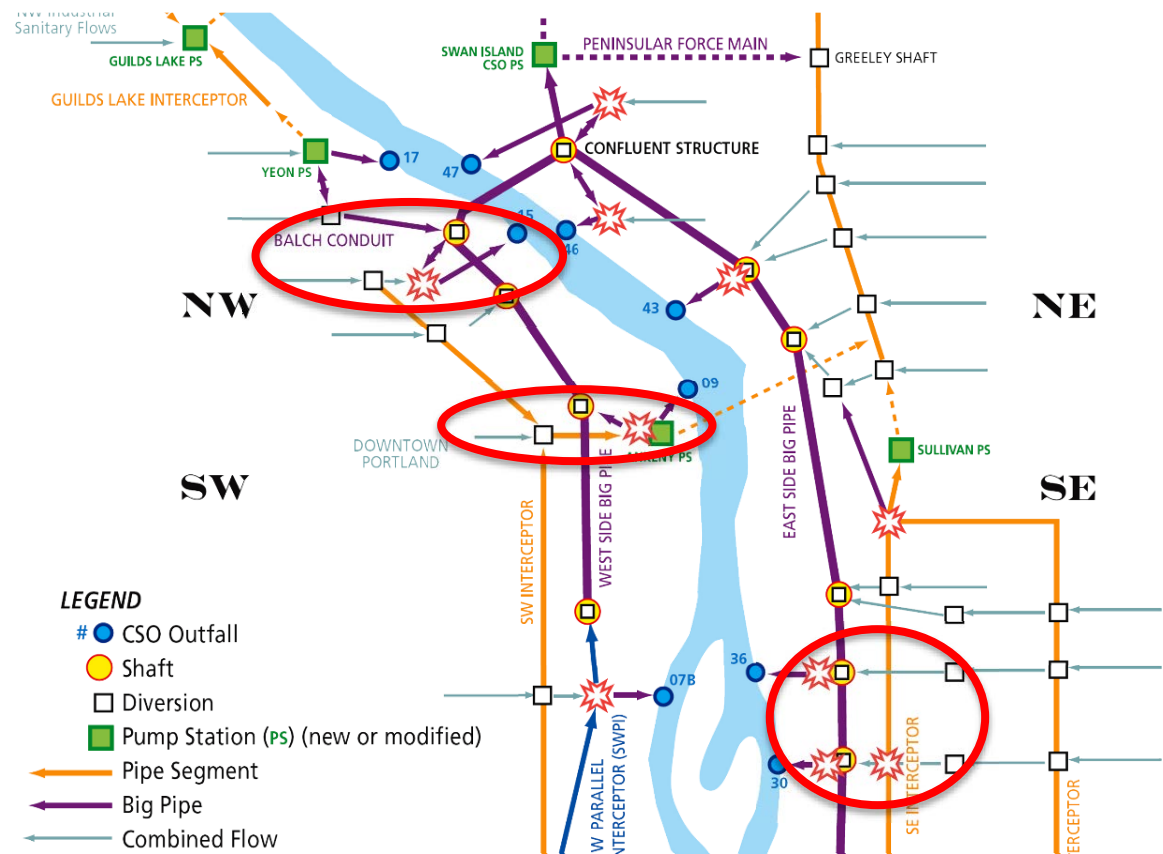
Transients and Air Entrapment

The Willamette River Tunnel System requires improvements to protect the system and public from surge forces and air releases.

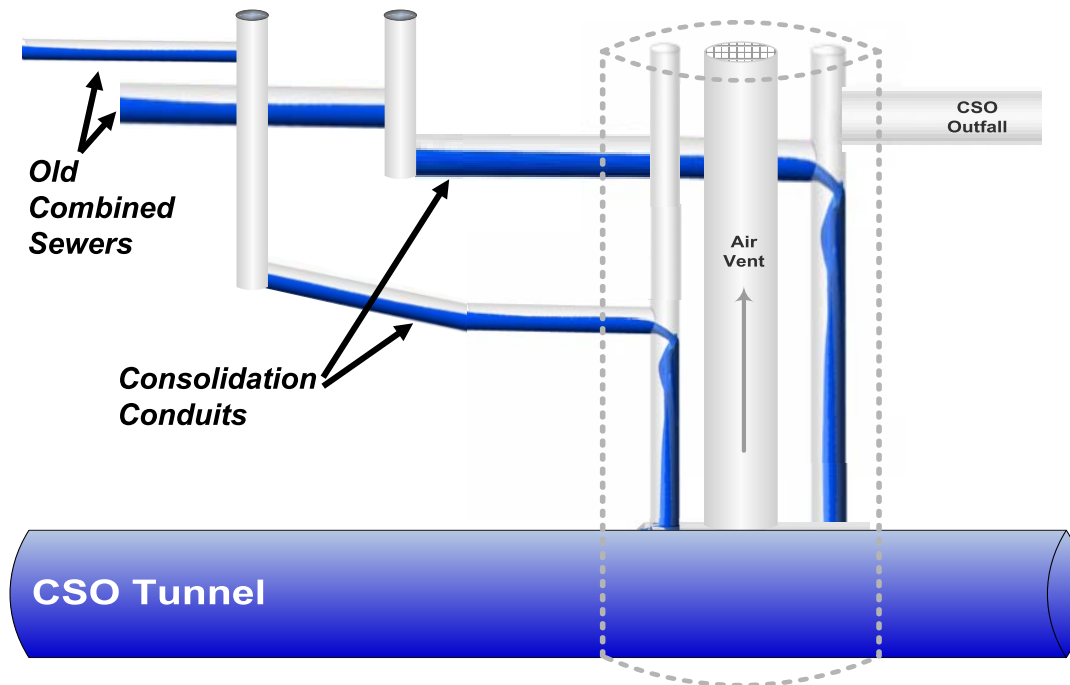


Areas with Evidence of Transients / Venting

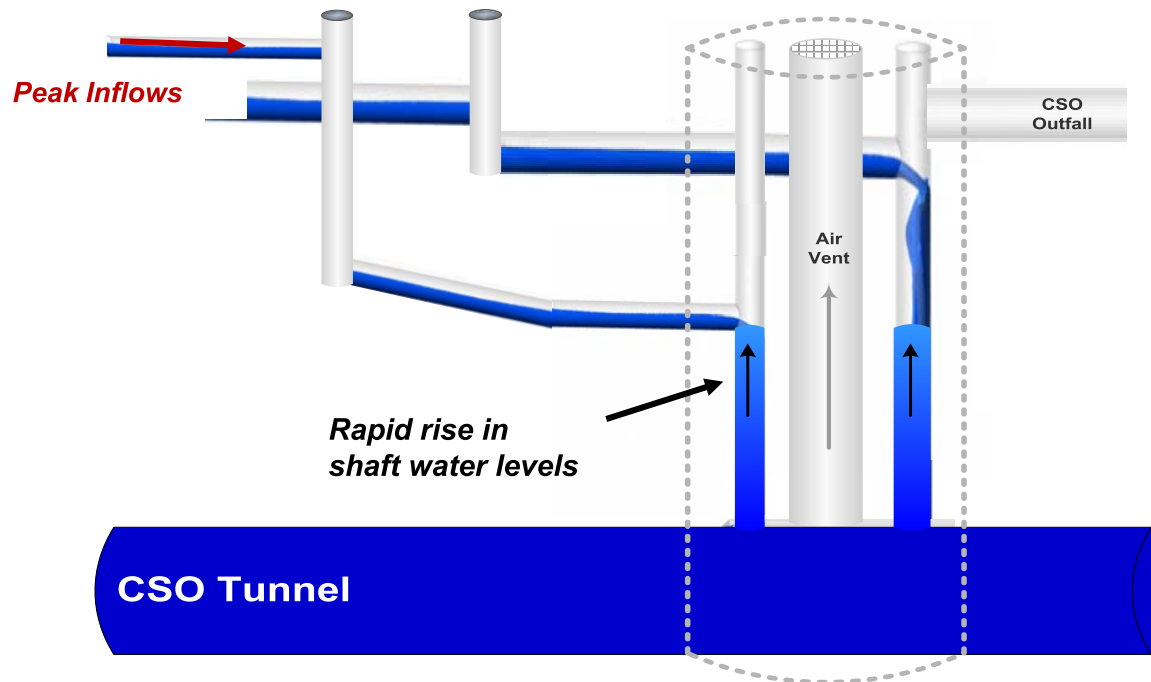
- Surge relief solutions needed in eastside and westside tunnel locations
- Low connection issues could not have been avoided
- Expansion of the design and hydraulic modeling of the tunnel system



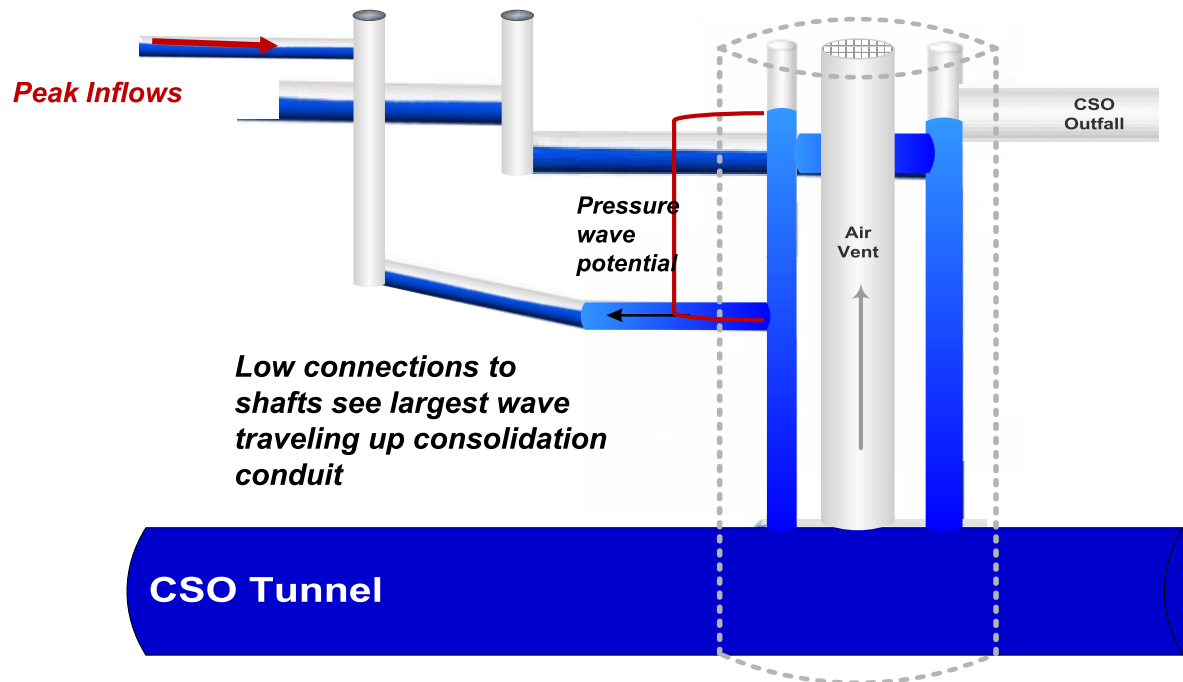
Consolidation Conduits Connect Combined Sewers to New CSO Drop Shafts



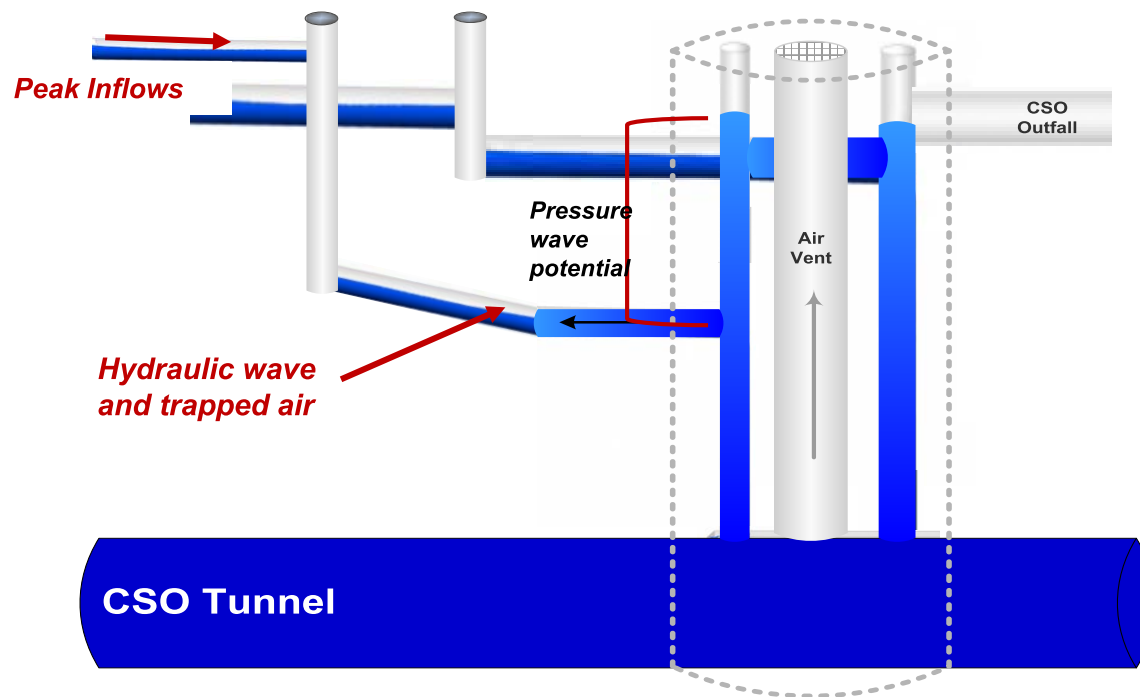
During Tunnel-Filling Storms: Water levels in Drop Shafts Rise Rapidly



Rapid Rise in Drop Shafts up to CSO Level Generates Wave in Consolidation Conduits



Trapped air & hydraulic waves cause transients and geysers upstream of CSO shafts



Questions?

