

# Discovery Clean Water Alliance

## CAPITAL PROJECT PROFILE

**Project Name:** Upper Salmon Creek Interceptor Repair  
**Project Number:** RA01-16-1  
**Form Prepared/Updated:** April 2014

**Project Type:** Existing Asset – Repair   
 Existing Asset – Replacement   
 New Asset – Capacity   
 New Asset – Regulatory   
 New Asset – Level of Service

**Project Definition:**

Objective. The project will repair extensive corrosion in the Salmon Creek Interceptor due to the discharge of hydrogen sulfide (H<sub>2</sub>S) from the Battle Ground Force Main between 1993 and 2006, and due to pressurization from the St. Johns Interceptor.

Scope of Work. The project will re-line approximately 2,174 feet of 21-inch diameter concrete pipe and 351 feet of 24-inch concrete pipe in Salmon Creek Avenue near the I-205 overpass. This piping was originally installed in 1975. A trenchless technology will be used to re-line the pipe from inside, eliminating the need for major excavation. The project will also provide for repair of service laterals connected to the damaged pipe, coordinate traffic control in Salmon Creek Avenue, bypass pump sewer flows around the work area during construction and provide for public engagement of the residents near the project.

Cost Allocation. A project-specific cost allocation structure is being utilized for this project based on an assessment of several factors that contributed to the deterioration of the pipeline. The resulting cost allocation is 50.9% of total project costs to Battle Ground, and 49.1% to the District. See supplemental information section (reverse side) for additional detail. For additional information related to this project, see *The Clark Regional Wastewater District, 2012 Inspections Report, Brown & Caldwell, May 2013.*

**Photos (if available):**



*Erosion in the Pipe – Near Corbin Road*

*Salmon Creek Avenue*

*Crack in the Pipe – South of 127<sup>th</sup> Street*

**Budget Information:**

Project Cost Estimate

Total Project Cost:	\$790,000	
Construction Cost:	\$610,000	
Basis of Estimate -		
Year Completed:	2014	
Project Definition:	5% design	(Class 4)

Project Cost Allocation

Battle Ground:	50.9%	\$402,000
Clark County:	0.0%	\$0
District:	49.1%	\$388,000
Ridgefield:	0.0%	\$0
Total:	100.0%	\$790,000

**Schedule Information:**

<u>Activity</u>	<u>Year</u>
Planning	Completed
Permitting	2015
Real Property/ROW	N/A
Design	2014-2015
Bid	2016
Construction	2016

Schedule Note:

A portion of the design work is budgeted to be completed in 2014. As a result, the total project costs carried forward in the Capital Budget will be \$740,000.

## Supplemental Information:

### Upper Salmon Creek Interceptor Repair Project-Specific Cost Allocation Based on Responsibility for Contributing Factors

Contributing Factor	RESPONSIBILITY ALLOCATION			COST ALLOCATION	
	Contributing Factor (percent)	Battle Ground Share (percent)	District Share (percent)	Battle Ground Share (percent)	District Share (percent)
1. Hydrogen sulfide discharge from Battle Ground Force Main	60.0%	76.0%	24.0%	45.6%	14.4%
2. Hydrogen sulfide discharge/pressurization from St. Johns Interceptor	20.0%	0.0%	100.0%	0.0%	20.0%
3. Restricted downstream interceptor capacity	20.0%	26.5%	73.5%	5.3%	14.7%
<b>TOTAL</b>	<b>100.0%</b>			<b>50.9%</b>	<b>49.1%</b>

