

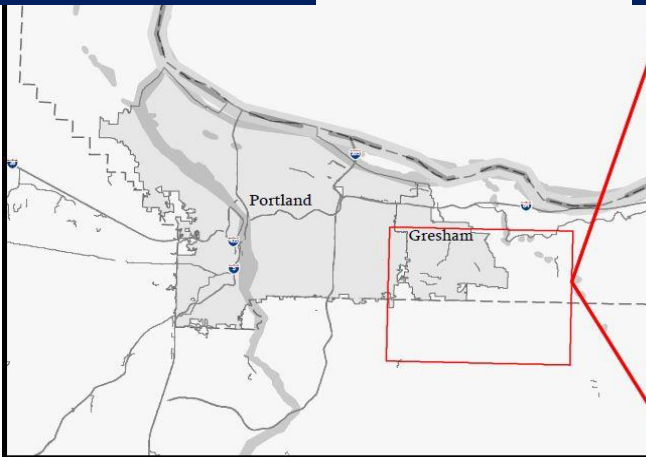
# 132R: Johnson Creek Culverts of Regional Concern

Culvert Reconstruction

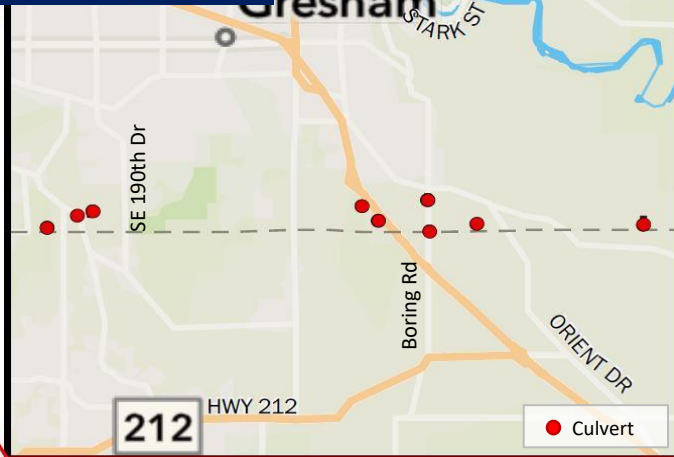
Rural Multnomah County



## OVERVIEW MAP



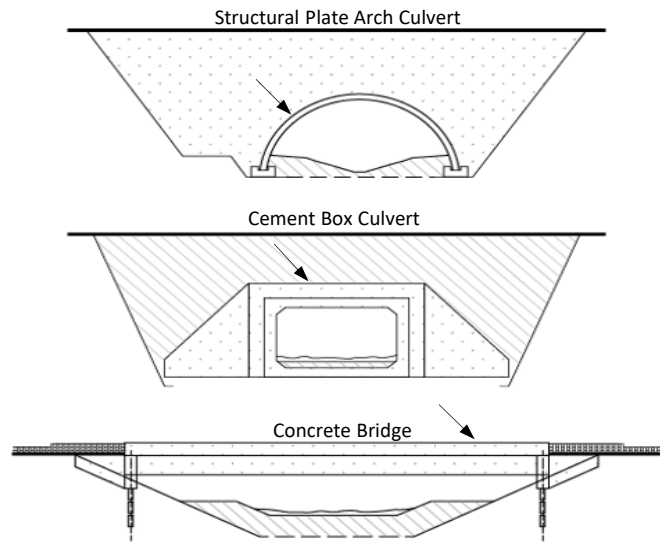
## DETAIL MAP



## PROJECT OVERVIEW

Replace culverts identified as of regional concern within the Johnson Creek Watershed to improve fish passage for endangered fish and other aquatic species. This project includes replacing the following culverts: SE Short Road Culvert (Culvert #4114\*), SE 267th Avenue Culvert (Culvert #4050\*), SE Stone Road Culvert (Culvert #4924), SE Richey Road Culvert (Culvert #4101), SE Baxter Road Culvert (Culvert #4065\*), SE 262nd Avenue Culvert (Culvert #4047\*), SE Cottrell Road Culvert (Culvert #5342\*), SE 257th Dr Culvert (Culvert #4046\*), SE 282nd Avenue Culvert (Culvert #4052\*), SE Foster Road Culvert (Culvert #4171\*) \* indicates that culvert is a 5-year priority for reconstruction.

## POTENTIAL CULVERT CROSS-SECTIONS



## PROJECT AREA EMERGENCY MANAGEMENT CONSIDERATIONS

<input type="checkbox"/> Landslide		<input checked="" type="checkbox"/> Wildfire Risk	
<input type="checkbox"/> Earthquake		<input checked="" type="checkbox"/> Floodplain	

## COST (DRAFT)



Engineering	\$	1,181,000
Construction	\$	2,362,000
Right-of-Way	\$	236,000
Miscellaneous*	\$	1,364,000
<b>Total</b>	<b>\$</b>	<b>5,150,000</b>

\*Miscellaneous includes any necessary environmental permitting, wetland mitigation, hazmat, and a 30% contingency  
Note: Cost estimates are based on preferred alternatives and in 2019 dollars.

## SCORE

