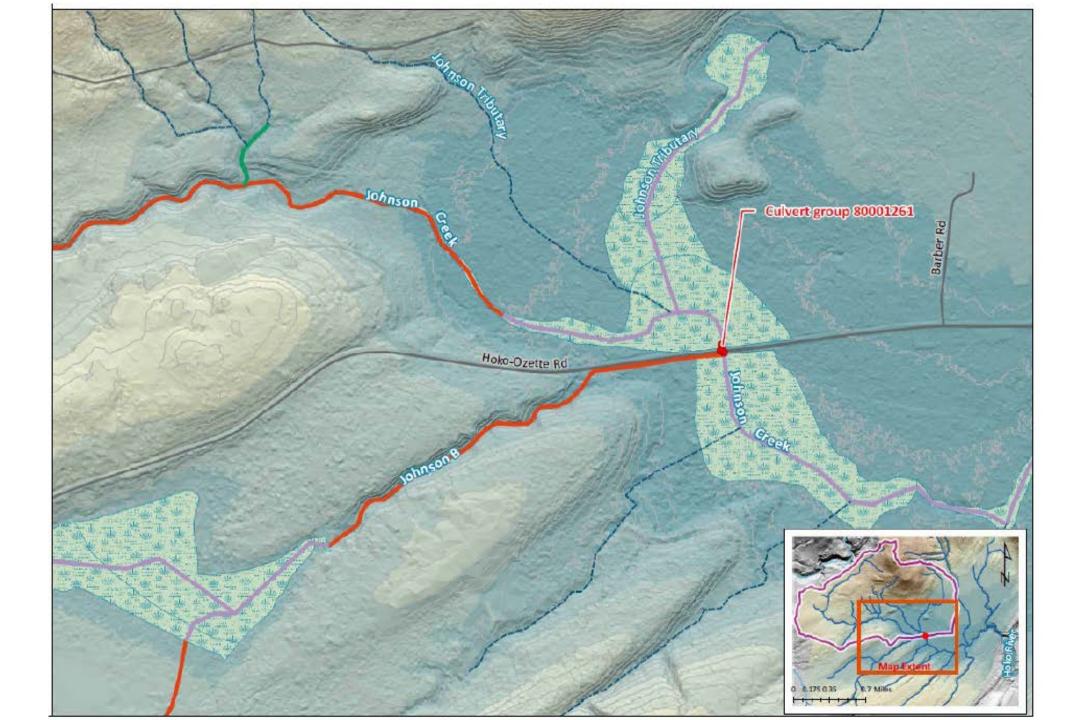
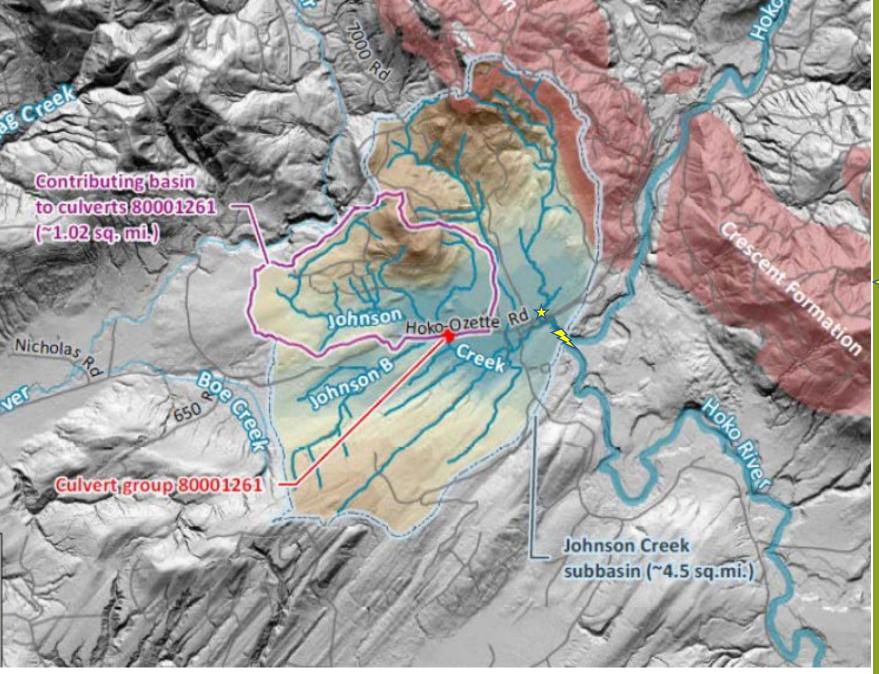
Johnson Creek Triple Culvert Design #19-1609P Cost Increase Request to Fish Barrier Removal Board 11/17/20 Presented by Kevin Long, Project Manager

> Community Stewardship, Collaborative Restoration







- Johnson Triples 19-1609P
 -RM ~10
- Trib To Johnson 17-1429R

 Construction Completed 2020
 Cost Increase \$194k

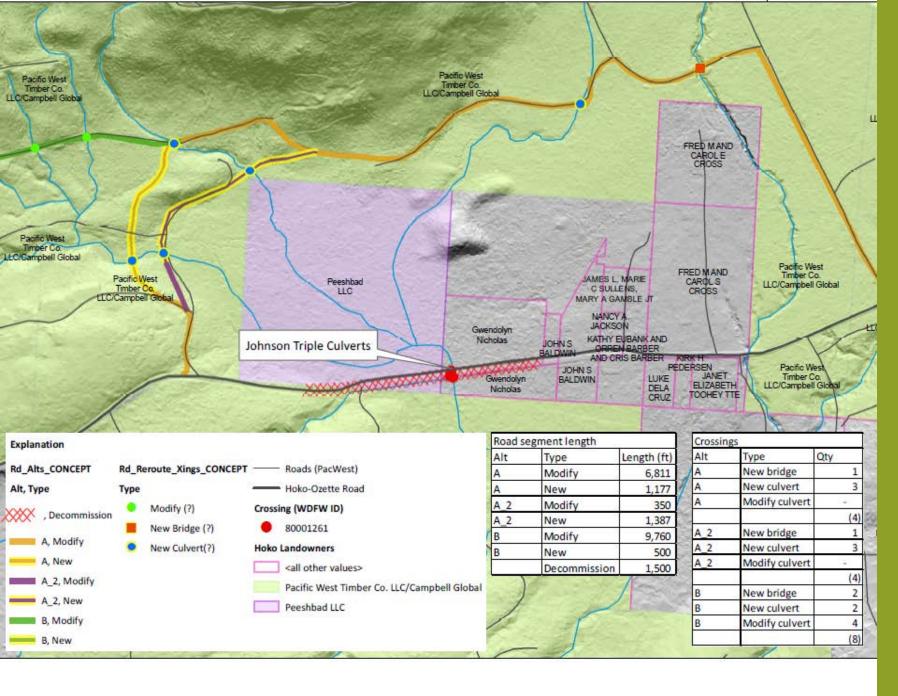
 Johnson Creek Culvert Removal

 17-1418R
 RM 0 Hoko mile 12.5
 Construction Completed 2019
 Returned \$798,845



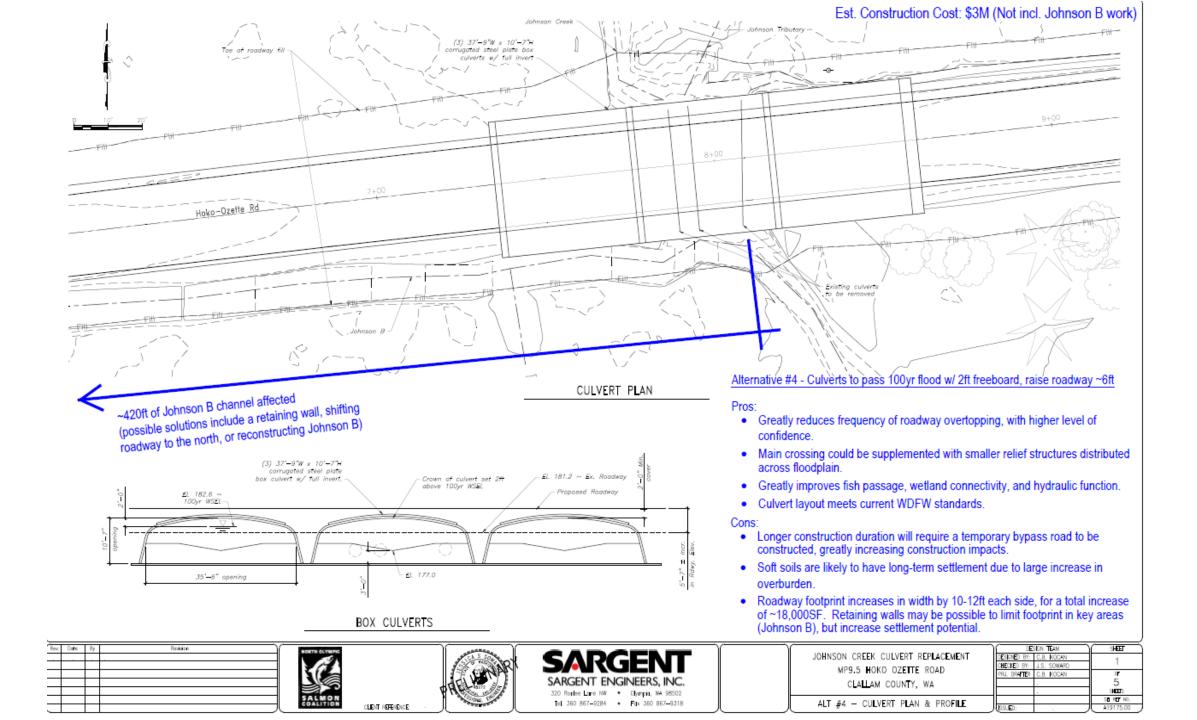
CONSTRAINTS

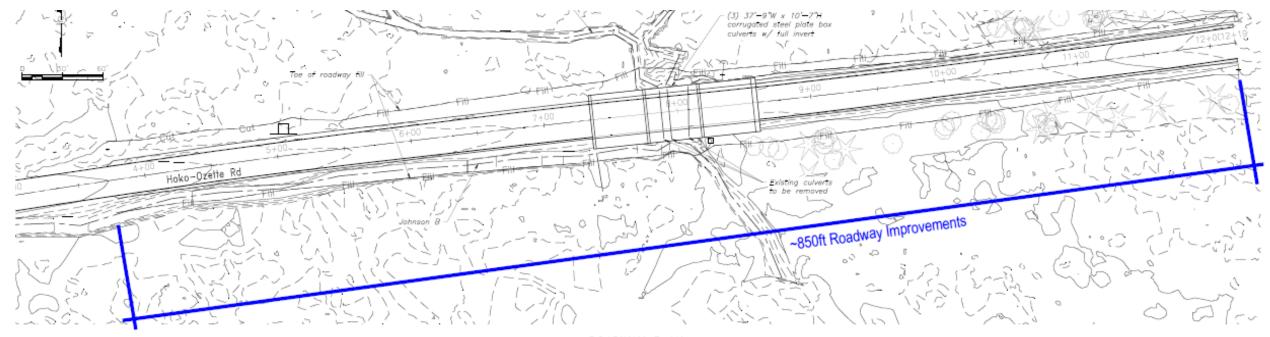
- Road very low through forested wetland
- Raise road ~5.5'
- Soils very poor for great depth limits design options
- Johnson B trib runs along length of project
- Wetlands extend on both sides of road for nearly the entire project length
- Walls to retain fill will be required
- Walls and road fills are heavy and set on very poor soils



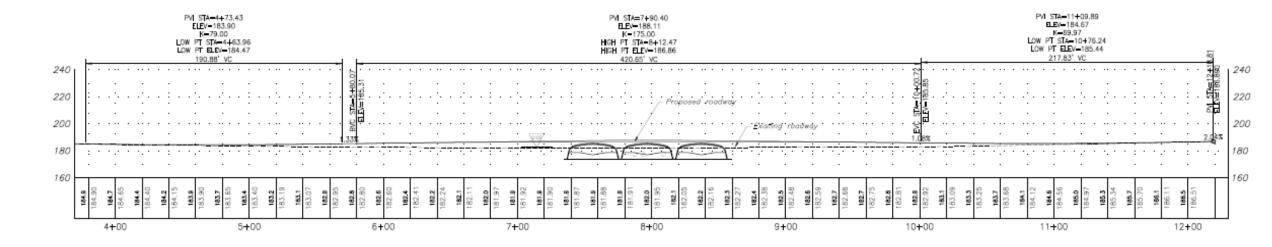
ROAD RELOCATION CONSIDERED

- Not viable
- All Private Ownership
- Multiple new crossings required
- New road grades needed

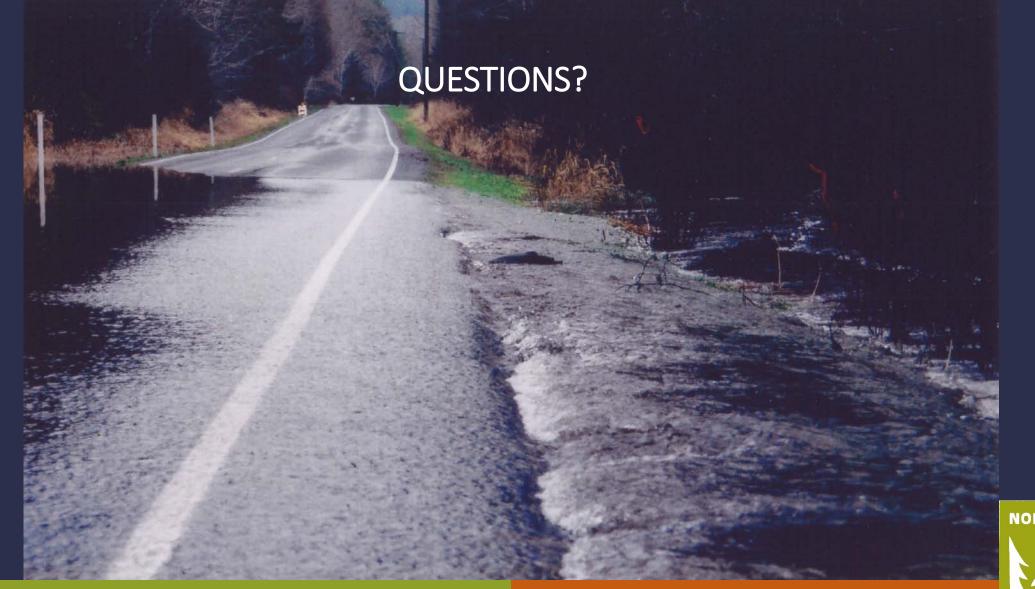




ROADWAY PLAN



				,	OVERALL PROJECT	1-17	1st GRANT	1777	UPDATED	UPDATED		
					Budget must account for all costs to complete the project	E	Enter only the amount of the grant request	0	VERALL PROJECT	GRANT REQUEST		he Grant Request uld be O. Sponsors
					Amount		Amount		Amount	Amount		Match
Category	Task Description	Qty		Rate								
1. Cultural Resources	Cultural resource assessment	-	\$		\$ -	\$	-	\$	2,725	\$ 2,725	5\$	
2. Survey	Site Survey	1.00	\$	5,300.00	\$ 5,300	\$	5,300	\$	18,525	\$ 18,525	5\$	
3.Geotech	Geotech Bores/Design/Reporting	1.00		22,375.00					94,375			
4. Wetland Delineation	Delineate/Report/Mitigation Plan?	-	\$		\$ -	\$	-	\$	10,000			
5. Civil Design	0-100% Design and PSE package	1.00	\$	35,904.00	\$ 35,904	\$	35,904	\$	108,997	\$ 49,099		59,898
6. Hydraulic Design	Hydraulic Models/Culvert Sizing			-		-	-	\$	84,249	\$ 84,249	\$	
7. Grant Administration	NOSC Admin/Bookkeeping		-			-	-		27,090			- 3
8. NOSC personnel and fringe	NOSC Staff Costs	1.00	\$	39,608.00	\$ 39,608	\$	32,725	\$	52,527	\$ 52,527	/ \$	- 3
9. Travel	NOSC Staff Travel and Per Diem	1.00	\$	68.00	\$ 68	\$	68	\$	832	\$ 832	2 \$	- 1
A			\$		\$-	\$	-				\$	- 1
			\$		\$ -	\$	-				\$	-
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	· · · · · · · · · · · · · · · · · · ·	1	1	STotal	\$ 205,883	\$	199,000	\$	399,320	\$ 339,422	2 \$	59,898
A		-				ZE	ERO MATCH GRANT	Ţ				
4					·′		!					
4		,		GTOTAL		-	,			\$ 339,422		59,898
4					,	PRI	RISM Project Total				\$	399,320
4										RCO Percentage	Matc	ch Percentage
Cost Increas	se Request=\$140,422									85%		15%
										00/0		20/0



Community Stewardship, Collaborative Restoration

