CULVERT SCOPING SUMMARY | 2

Existing Culvert Characteristics

Diameter:	in.	Span:	in.	Rise:	in.	Culvert Length:	ft.

Inlet Condition	☐ Channel Scour	☐ Deposition	☐ Debris Buildup	☐ Damaged End
	☐ Other Issues:		Slope:	%
Comments:				

Barrel Condition	☐ Corrosion	☐ Debris Buildup	☐ Sediment Accumulation
	☐ Abrasion	☐ Structural Damage	☐ None Applicable
	☐ Horizontal Alignment Breaks	☐ Vertical Alignment Breaks	
	☐ Other Issues:		
Comments:			

Outlet Condition	☐ Scour hole	☐ Backwatered	☐ Debris Buildup	☐ None Applicable
	☐ Perched		Outlet Elevation Drop:	ft.
			Scour Hole Depth:	ft.
	☐ Other Issues:		Slope:	%
Comments:				

Estimated Flow: (during scoping visit)	cfs	☐ No Flow

General Considerations

Identify Physical Restrictions	☐ Right-of-way	☐ Utility Conflicts	☐ Vegetation
	☐ Natural Features	☐ Man-made Features	☐ Access
	☐ Other:		
Comments:			

Active Channel Width Measurements:			☐ No measurements taken		
1 ft	2 ft	3 ft	4 ft	5 ft	Avg. ft

Bank full Measurements:			☐ No measurements taken		
1 ft	2 ft	3 ft	4 ft	5 ft	Avg. ft

Downstream Slope: %		Long Profile Slope: %			
Manning's n-value	Left Overbank		Main Channel		Right Overbank	

CULVERT SCOPING SUMMARY				2
Additional Needs				
Is CCTV Needed			☐ Yes	☐ No
Is Survey Needed			☐ Yes	☐ No
Proposed Project Type	☐ Replacement In-kind		☐ Culvert Repair	
	Culvert Length:	ft.	Finished Dimensions:	in.
ODFW Fish Presence:				
Native Migratory Fish Presence:	☐ Yes		☐ NO	
Design Species/ Life Stage	☐ All Species		Data Source: ODFW Contact: Date:	
	☐ Adult Anadromous Salmonids			
	☐ Adult Non-Anadromous Salmonids			
	☐ Juvenile Salmonids			
	☐ Native Non-Salmonids			
	☐ Lamprey Species			
	☐ Non-Native Species			
Fish Passage Plan				
Identify Fish Passage Issues at Site:	☐ Outlet Jump Height		☐ Velocity	
	☐ Flow Depth		☐ Inlet Conditions	
	☐ Other:			
Corrective Actions to Improve Passage Issues:	In Barrel Treatments:			
	☐ Fish Rocks/Shadow Blocks		☐ Baffles/Weirs	
	☐ Other:			
	Out of Barrel Treatments:			
	☐ Rock Weir(S)		☐ Channel Regrading	
	☐ Other: Fish rocks and minor sediment adjustments at the inlet and outlet			
Are there other known fish barriers in the vicinity of this crossing?	☐ Yes (describe below)		☐ No	
	Barrier Description:			
Jump Height Issues: (Can the jump height issues be addressed or minimized?)	☐ Yes		☐ No (explain below)	
	Explanation:			
Preliminary Fish Improvement Design Acceptance: (sign/initial)	ODOT Representative:		ODFW Representative:	