

Five Rivers Fish Passage Culvert Project
MPs 1.75, 2.72, 3.13, 3.9, and 5.18
Estimated Road Fund Cost \$300,000



Project Scope: Replace five existing aging culverts with fish passage culverts on Five Rivers Road

Project Limit	MP 1.75 to 5.18	Road Name	Five Rivers Road
Functional Class	Rural Local	Project Status	Proposed
Length	5 locations	Project Category	Structures

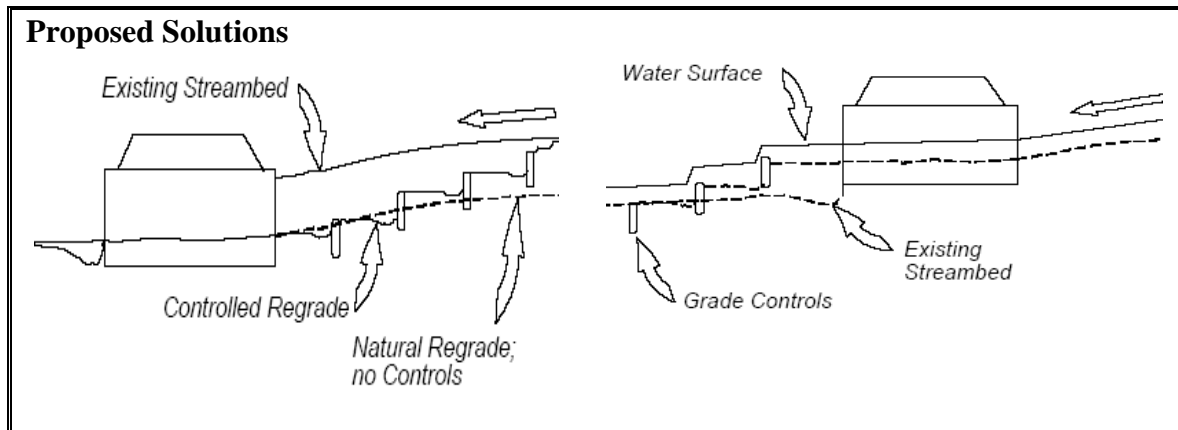
Existing Roadway Condition

ADT	100	Crash Rate	0
Pavement Type	Asphalt Concrete	Sidewalk	<input type="checkbox"/>
PCI	75	Curb	<input type="checkbox"/>
Width	20 feet	Bike Lane	<input type="checkbox"/>



Define the Problem

Five Rivers Road alignment follows the Five Rivers and several rivulets cross the roadway. The Oregon Department of Fish and Wildlife (ODFW) identified five culvert crossings on Five Rivers Road that impede fish passage and need to be upgraded to a fish passable culvert. Although the roadway serves a low traffic volume, ODFW gives high priority to fish passage culvert replacements. From a road maintenance perspective, these culverts are nearing the end of their useful life. Recurring maintenance of aged culverts are more costly.



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Proposed Solution

Five culverts are proposed for replacement with efficient, low cost, fish friendly culverts conforming to stormwater Best Management Practices. Since these culverts will need to be replaced soon anyway, it is economical to replace all of the five aged culverts under one contract.

Project Cost (\$,000s)

PROJECT ELEMENT	TOTAL	FY 11	FY 12	FY 13	FY 14	FY 15
Preliminary Engineering	\$95	\$95				
Right-of-way	\$25	\$25				
Construction Engineering	\$85	\$85				
Construction (HTAP)		\$0				
Construction (County)	\$900	\$900				
Total Cost	\$1,105	\$1,105				

Funding Source (\$,000s)

FUND SOURCE	TOTAL	FY 11	FY 12	FY 13	FY 14	FY 15
Road Fund	\$1,105	\$1,105				
HTAP Fund						
ODFW Fund						
US Forest Service						
Total Fund	\$1,105	\$1,105				

Factors for Project Selection

Safety Improvement	<input type="checkbox"/>	<input type="checkbox"/>	Plan Consistency	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Structural Capacity Enhancement	<input type="checkbox"/>	<input type="checkbox"/>	Economic Development	<input type="checkbox"/>	<input type="checkbox"/>
Congestion Improvement	<input type="checkbox"/>	<input type="checkbox"/>	Supports Tourism, Recreation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Provides Bike/Ped Alternative	<input type="checkbox"/>	<input type="checkbox"/>	Preserves Bridge Pavements	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Degree of Users Benefits	<input type="checkbox"/>	<input type="checkbox"/>	Has Public Support (Public Request)	<input type="checkbox"/>	<input type="checkbox"/>
Leverages Other Projects/Funds	<input type="checkbox"/>	<input type="checkbox"/>	Total Factor Considered		3

Footnotes[†]

Five Rivers Road is designated as a federal Forest Highway (Highway 168) and eligible for Highway Trust Funds Aquatic Passage (HTAP) funds. A \$600,000 HTAP funding request was submitted to US Forest Services in October 2009.

US Forest Service recently notified the County that the grant application is not approved at this time. Considering the urgency of maintenance works identified for the five culverts, all of \$900,000 construction costs will need to be funded from the Road Fund. Staff will continue to seek alternative funding sources for this project.

Although a low priority from a road perspective, this project has been identified and prioritized based on roadway maintenance needs. From the road maintenance perspective, these culverts are nearing the end of service life. It is cost effective to bundle all five-culvert replacements as one contract package than replacing one at a time under the maintenance budget; therefore, this project is developed and proposed under the CIP.