

ALDER CREEK TRIBUTARY CULVERT REPLACEMENT

Installation of a new box culvert along Alder Creek Tributary on Upper Hoh Road was completed in October 2013, eliminating a fish passage barrier to one mile of upstream fish habitat. The old, rusted, six-foot diameter culvert was replaced with a 25-foot wide, concrete box culvert. The culvert replacement was completed as environmental mitigation for previous emergency repairs on Upper Hoh Road.



The old culvert under the Upper Hoh Road was rusted out and formed a barrier to upstream fish habitat.

The culvert replacement project involved constructing a temporary stream bypass system, ensuring protection of fish populations and constructing a temporary one-lane bypass road to maintain traffic during construction. Through an inter-local agreement the Hoh Tribe provided fish exclusion for the project. The fish exclusion included capturing and removing fish prior to dewatering the stream, installing screens above and below the project site, and then monitoring the site throughout construction to ensure the screens were functioning properly.

In-stream project work was completed in the summer when the Tributary was at its lowest flow. Construction work included removing the old culvert, installing a precast, three-sided concrete culvert, installing guardrail, and re-constructing the streambed and the road .



Critical steps in the culvert replacement project: 1. Excavation of the stream bed with road and stream bypasses in place and a portion of the Upper Hoh Road removed. 2. Installation of the three-sided, box culvert. 3. Restoration of the stream bed and preparation for the road re-build. 4. One mile of upstream fish habitat restored.

Seton Construction, Inc. constructed the project for \$512,642. The project was funded at 86.5% by the Federal Highway Administration (FHWA) Emergency Repair Program and 13.5% by the Rural Arterial Fund and the County Road Fund.



With the culvert installed and road restored, the Upper Hoh Road is ready for the 200,000—300,000 Olympic National Park visitors that travel to the Hoh Rain Forest via this road every year.