

# **PROJECT DESCRIPTION:**

## **KACKMAN CREEK CULVERT REPLACEMENT WITH A NEW 110-FOOT BRIDGE AT 55TH AVE NE**

The Stillaguamish Tribe of Indians, with sponsorship from the Washington Department of Fish and Wildlife, is currently preparing bid documents to be advertised in early 2020 to replace the 48-inch-diameter, corrugated metal culvert that conveys Kackman Creek under 55th Ave NE approximately 3 miles northwest of Arlington, in Snohomish County, Washington. The roadway embankment is sloughing into the creek, the culvert is at the end of its service life, and in combination with a series of failing log weirs downstream, the culvert has become a barrier to fish passage.

The culvert will be replaced with a 110-foot single span bridge, and accompanying soldier pile retaining walls. There will be approximately 472 linear feet of roadway improvements along 55th Ave NE, with the roadway being widened from 22-feet wide at the northern and southern project limits to 30-feet approaching the bridge. The bridge abutments will be constructed of 24-inch diameter, concrete-filled, steel pipe piles, and the abutment wall alignments will have an approximate 30-degree skew. Approximately 250-feet of the Kackman Creek channel will be regraded and restored as a roughened channel to tie in to existing channel grades upstream and downstream of the project reach. Bank stability and in-channel physical habitat will be provided by log structures and coir soil lift installation to support long-term vegetation establishment. All disturbed vegetated areas and ground surfaces (e.g., stream banks, access and staging areas) will be restored to similar or improved conditions through a combination of seeding, mulching, and planting with native plant species. Approximately 980 square feet of riverine wetland will be created within the stream channel and approximately 0.32 acres of riparian buffer will be enhanced along Stillaguamish Tribal land approximately 75 feet west of the project area.

The entire project will be constructed within the Snohomish County right of way and land owned by the Stillaguamish Tribe of Indians. The Stillaguamish Tribe of Indians anticipates advertising the project and soliciting construction contract proposals for 2020 construction early in the year. The anticipated construction window is April through December, 2020 with an anticipated in-water work window of July 16 through September 15.