

Project Updates. All project updates should be recorded in this box. A project may have multiple updates. For each update include: 1) the date of the update, 2) an explanation of the update including the existing condition and the changed condition (e.g., the project originally had 0.2 acre of new PGIS and now has 0.5 acre new PGIS), 3) reference here any new figures, plans or maps (attach these at the very end of the form)

October 11, 2018: UPDATED PROJECT DESCRIPTION. Original description included pile driving during the non-breeding season of both spotted owl and marbled murrelet. Revised description extends pile driving activities into early summer (during owl and murrelet nesting season). Project description is revised because contractor will be working on three projects concurrently and will require increased scheduling flexibility. According to project engineer, this could save over \$100,000 in project costs. Original disturbance take estimate (3.68 ac) did not include pile driving because that activity was originally restricted to the non-breeding season, and was limited to the 328-ft threshold distance. This updated PNF includes additional potential disturbance take (0.53 ac) in the adverse effect threshold distance for impact pile driving (363 feet). Typically, sheet piles are installed with a vibratory hammer (97 dBA); therefore, the original estimated disturbance take would apply. Because the use of an impact hammer cannot be ruled out, this update assumes a worst-case scenario in which the larger disturbance zone and subsequent disturbance take apply ($3.68 + 0.53 = 4.21$ acres). A figure illustrating the additional disturbance take areas is included in this form.

Construction timing has been revised. The detour and bridge construction is scheduled for 2019. In-water work will occur July 16 through September 30, 2020. Remaining seeding, planting, composting, and project clean up would occur soon afterwards, resulting in a completion date in late 2020 to spring 2021.

March 14, 2018: UPDATED CUT AND FILL and RIPARIAN IMPACTS. Project office provided update quantities (square feet). These numbers are included in this revised form.

Indicate the federal nexus for the project
FHWA

County:
Jefferson

Region:
Olympic

**Example of information
to include in the
PNF Project Updates field**