

**USACE Portland District (NWP) FFDRWG Update Form**  
**4 June, 2020**

**PROJECT INFORMATION**

Project Title	Bonneville Second Powerhouse Fish Guidance Efficiency
SCT Reference Number	
Project Manager (PM)	James Adams (NWP, 503-808-4742)
Technical Lead (TL)	Bridget Bell (NWP, 503-808-5106)
Biologist/Coordination	Jon Rerecich (NWP, 503-808-4779)

**PROJECT DESCRIPTION**

Steel plates were installed in all units in the A and B gatewells to restrict flow. During routine inspections, however, it became apparent that the anchoring system for the steel plates was inadequate. In effect, the nuts and anchoring bolts holding down the plates had come loose, posing the risk that the plates could detach and potentially take out a unit. All flow restriction plates were removed from the units.

A concrete corbel will be installed in the same location as the flow control plates with the design goal to achieve similar gatewell hydraulic conditions as the flow control plates. This new concrete corbel will be designed to meet the flow criteria established and tested for the previous flow restrictor plates to meet the hydraulic and biological goals.

**CURRENT SCHEDULE**

Solicit at the end of June/beginning of July

Construction in unit 15 during the 2020-2021 IWW

Hydraulic Testing Spring 2021 – dependent on flows

Evaluation of Testing results late summer 2021

**PROGRESS AND KEY ISSUES (List)**

The team has been given word that the construction and testing at the mandatory unit (15) will be funded. The remaining 7 units will be included in the contract as optional CLINS. See the draft CLIN structure and schedule on the following page.

CLIN		Description	Award/Exercise Date	Construction Execution Window
1	Mandatory	Mobilization/Demobilization	Sept 2020 Award	
2	Mandatory	Unit 15 Construction	Sept 2020 Award	Dec 2020-Feb 2021
3	Optional	Second Mob/Demob and Unit 11 Construction	Sept. 30 2021	Dec 2021-Feb 2022
4	Optional	2 Additional Units	Sept. 30 2021	Extend through May 2022
5	Optional	2 Additional Units	Nov. 30 2021	Extend through August 2022
6	Optional	2 Additional Units (Unit 18 + 1 more Unit)	Nov. 30 2021	Extend through February 2023

Work at units 11 and 18 will book end the optional units so that they are both performed in the IWW. Other gatewells can be worked on outside of the IWW.

#### **FFDRWG REVIEW NEEDED AT MEETING?**

No.

Hydraulic testing in spring 2021 will be coordinated through FFDRWG/FPOM. Testing results will be reviewed with FFDRWG in late summer 2021 to determine if hydraulic objectives have been met.