**USACE Portland District (NWP) FFDRWG Update Form**  
**October 20, 2016**

**PROJECT INFORMATION**

|  |  |
| --- | --- |
| Project Title | Lamprey Passage Structure (LPS) Development and Improvements |
| SCT Reference Number |  |
| Project Manager (PM) | Mike Turaski (NWP, 503-808-4704) |
| Technical Lead (TL) | James Schroeder (NWP, 503-808-4930) |
| Biologist/Coordination | Ricardo Walker (NWP, 503-808-4709) |

**PROJECT DESCRIPTION**

This project consists of the design and construction of several new LPSs at BON and JDA and miscellaneous improvements to existing LPSs systems.

Specific tasks (pending funding availability and prioritization) include the following:

1. Design and build LPSs that address known problem areas and extend existing LPS to forebay where appropriate:
   1. (Phase 1) BON Washington Shore Fish Ladder – Channel between UMT junction and count station, as a means of reducing the use of the serpentine weir section.
   2. **(Phase 2) BON Bradford Island Fish Ladder – Upgrade the exit chute for the current LPS located in the AWS channel**
   3. (Phase 2) BON Cascades Island – Upgrade as outlined under #2 below.
   4. (Phase 3) JDA North Fish Ladder – Extend LPS to 2nd or 3rd 180 degree turning pool converting this LPS to volitional passage.
2. Modify LPSs to improve O&M functionality:
   1. Inspect structures and modify as necessary to minimize risk of structural failures.
   2. Modify or replace pumps and pump intakes, as necessary, to meet juvenile salmon fry criteria, accommodate maintenance needs, and provide sufficient water supply for systems.
   3. Improve counting systems for existing LPSs.
   4. Improve electrical and plumbing systems (as needed) for existing LPSs.
   5. Add full duplex antennas

**PROGRESS AND KEY ISSUES (List)**

* (Phase 1) Bonneville Washington shore LPS improvements and LFS repairs begin 14 November 2016
* (Phase 2) Bonneville Bradford Island and Cascades Island design documentation in progress

**CURRENT SCHEDULE**

**BON Bradford Island (phase 2)**

* 90% Design Document Review starts at the end of October
  + I will send it out shortly after the review period starts
  + Construction is planned for the FY 17/18 in-water work window

**FFDRWG REVIEW NEEDED AT MEETING? (If YES, list discussion topics below)**

NO