**USACE Portland District (NWP) FFDRWG Update Form**  
**April 6, 2016**

**PROJECT INFORMATION**

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| --- | --- |
| Project Title | Lamprey Minor Fishway Modifications |
| SCT Reference Number |  |
| Project Manager (PM) | Mike Turaski (NWP, 503-808-4704) |
| Technical Lead (TL) Minor Modifications | Sarah Knowles (NWP, 503-808-4980) |
| Biologist/Coordination | Ricardo Walker (NWP, 503-808-4709) |

**PROJECT DESCRIPTION**

The scope of this project includes relatively small-scale modifications to adult fish ladders to improve lamprey passage conditions at Bonneville, The Dalles, and John Day Dams. Examples of such modifications include floor diffuser plating, rounding corners, and modifications to entrance weir crests. This is a multi-year, phased project. Generally, the PDT will focus on modifying a single ladder per year:

* Bonneville (BON) WA Shore Ladder: Lower ladder diffuser plating and entrance weir improvements to include lamprey orifices (includes closure device, and video monitoring mounts), rest boxes, and entrance weir improvements (Currently being completed; IWW 16/17).
* **BON Bradford Island Ladder: Orifice ramps through weirs 54-67 as needed and lamprey orifices through serpentine weirs (currently at 60% plans and specs; Install IWW 17/18). Wetted wall installation.**
* The Dalles (TDA) East Ladder: Entrance weir improvements (IWW 17/18).
* TDA North Ladder: Lower ladder diffuser plating/ramping and entrance weir improvements (design late FY17; install IWW 18/19).

**SCHEDULE, PROGRESS, AND KEY ISSUES (List)**

1. The Washington shore minor modifications completed IWW 16/17.
2. Proposed Bradford Island minor modifications:

* Lamprey orifices, orifice ramps, rest boxes, wetted wall and video mounting infrastructure.
* Currently at 90% Plans and Specs with a tentative award of August 2017 and install winter maintenance period 17/18.

1. Weir cap modification plan.

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| --- | --- | --- | --- | --- |
| Weir Caps | Design | Fabrication | Current Schedule for Installation | Earliest Possible Installation |
| BON WA Shore | Complete | Complete | 2018-19 (FY19) | 2018-19 (FY19) |
|  | TBD based on FY17 fund availability. Fabricate in FY17 would enable FY18 install. | |  |  |
| TDA East, west and south entrances (5 weirs) | 2018-19 (FY19, post CRFM) | 2017-18 (FY18) |
| TDA East, east entrance (3 weirs) | 2018-19 (FY19, post CRFM) | 2018-19 (FY19, post CRFM)  Conflict w AWS work in FY18 |
| TDA North (1 weir) | 2018-19 (FY19, post CRFM) | 2017-18 (FY18) |

1. Upper AFF lamprey trap design
   * Target installation June 1st

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

Yes, preliminary lamprey trap design and location.