

**OFFICIAL COORDINATION REQUEST  
FOR NON-ROUTINE OPERATIONS AND MAINTENANCE**

**COORDINATION TITLE- 17TDA09 AWS Steel Frame**

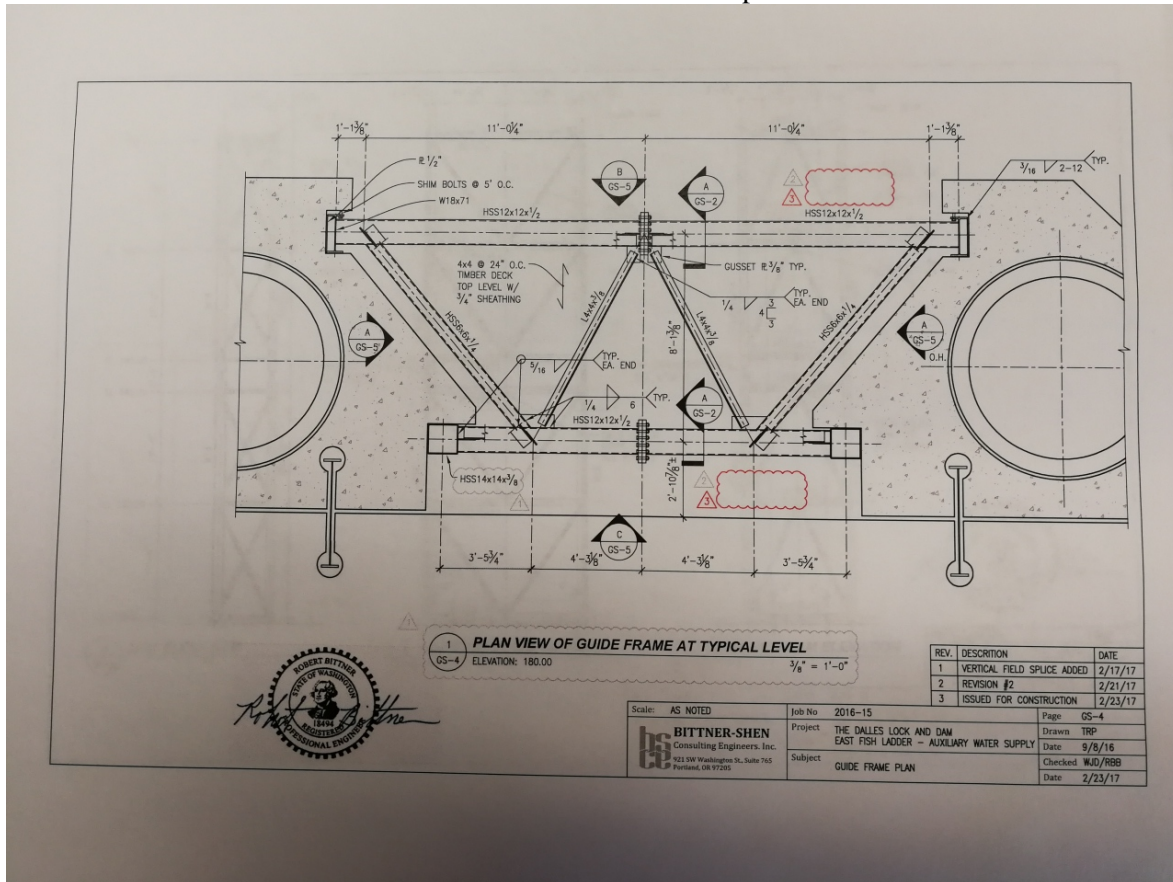
**COORDINATION DATE- Mar 13, 2017**

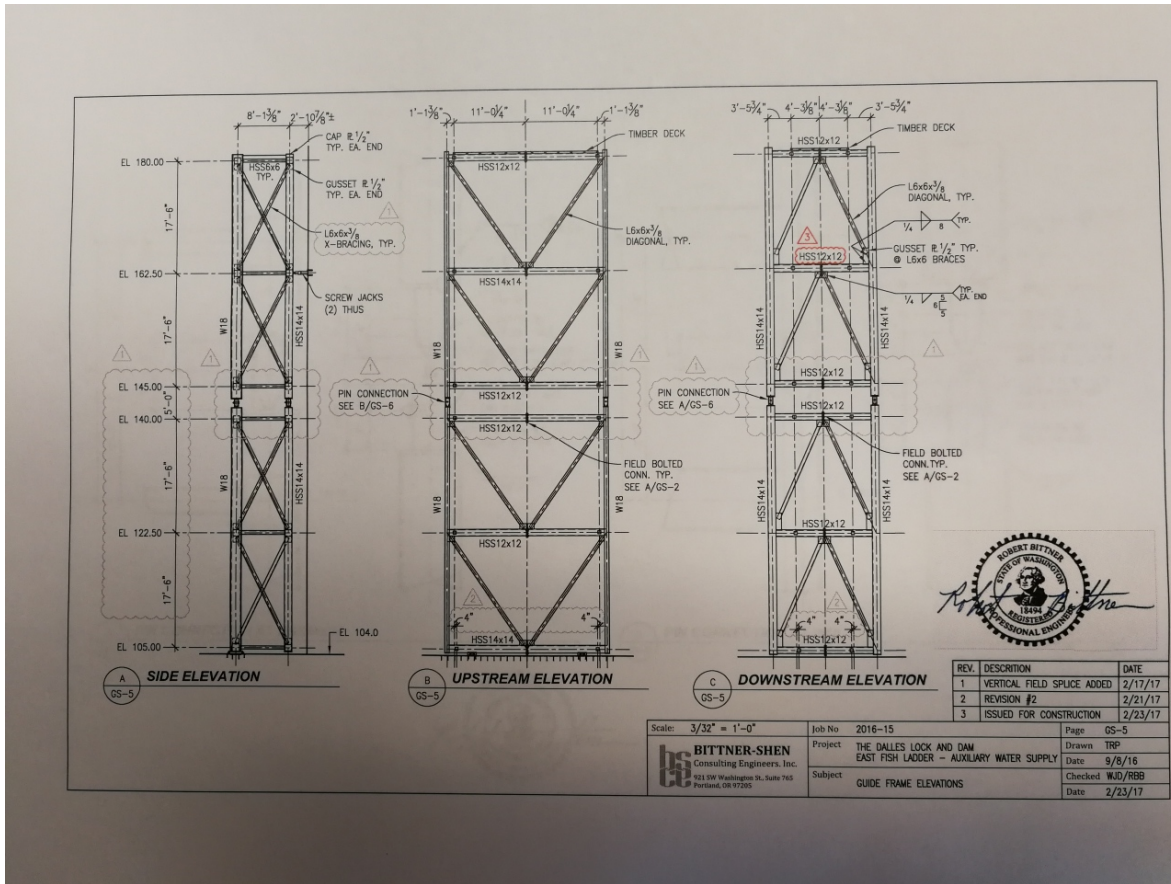
**PROJECT- The Dalles Dam**

**RESPONSE DATE- March 27, 2017**

**Description of the problem**

For the construction of the AWS backup system, a steel frame is needed in the forebay to guide prefabricated blocks into place. This frame requires installation time. With multiple construction delays the past winter, contractors are trying to complete as much of the work this season to insure project completion next season. The steel frame will be installed the last 2 weeks of March during night work and would remain in place the entire 2017 passage season. It will then be used for the 2017/18 in water work period. The frame would extend ~11' from wall and cover the foot print in the area between the future bulkhead slots for the AWS backup.





**Impact on facility operation** – None. If not approved this season, the work would be included in an already tight 2017/18 in water work period.

**Impact on forebay/tailwater operation** – No special forebay operation needed.

**Impact on spill** – None. Outside of juvenile fish spill season.

**Dates of impacts/repairs** – March 15-30, 2017. Night only.

**Length of time for repairs** – 15 days

### Analysis of potential impacts to fish

#### Upstream Migrants

This work will be part of night dive work that is already approved for March in a previous MOC. Analysis; Chinook passage is generally around 1/day in March, unless we see early returns like 2003. Steelhead passage is generally ~45/day last 2 weeks March. The frame is within 100' of the east fishway exit on the downstream side. Adult fish exiting the fishway are expected to swim upstream away from the frame and will not likely encounter it. The frame will be in place during all species migration 2017.

**Summary statement** – No impact is expected for upstream migrants.

**Downstream migrants** – No expected impact. Frame would remain in place through the entire juvenile passage season creating some potential for pikeminnow predator habitat, however this area is with in an existing eddy with low flow velocities. Therefore, predator presence is not expected to change.

**Lamprey** – No expected impact. Lamprey exiting the east fishladder will likely move

toward the shoreline riprap upstream of the area. However lamprey passage is unknown in this area.

**Bull Trout** – impacts to Bull Trout are expected to be similar to other upstream migrating salmonids. Very few Bull Trout have been counted at TDA in the last 10 years. *“WDFW and COE provided a list of anecdotal sightings/captures of bull trout in the mainstem Columbia River. From 2000 through 2012 there were eleven bull trout reported. Three were downstream of Bonneville Dam, with two at the mouth of Hamilton Creek (CRM 143) and one in 2005 at the Bonneville Dam Smolt Monitoring Facility (CRM 144). Upstream of the dam, one bull trout was found at Cascade Locks (CRM 149), two at Drano Lake (CRM 162), two at the mouth of the Klickitat River (CRM 180.5), one in 2002 at the John Day Dam Smolt Monitoring Facility (CRM 215), and one sighting at Dog Creek Falls by a reputable WDFW creel sampler who observed 18-24” cuts or dollies working old redds below the splash pool over the course of two weeks.”*

#### **Comments from agencies**

-----Original Message-----

From: Gary Fredricks - NOAA Federal [mailto:gary.fredricks@noaa.gov]  
Sent: Monday, March 13, 2017 12:38 PM  
To: Kovalchuk, Erin H CIV USARMY CENWP (US)  
<Erin.H.Kovalchuk@usace.army.mil>; Cordie, Robert P CIV CENWP CENWD (US)  
<Robert.P.Cordie@usace.army.mil>  
Cc: Lorz, Tom <lort@critfc.org>  
Subject: [EXTERNAL] Re: FPOM: Official Coordination 17TDA09 MOC AWS steel frame

Erin/Bob, After thinking about this one for a bit and looking at the Plans and Specs, I can see that the footprint of this thing really isn't any larger than the finished intake, so no problems with having it in place all season. What concerns me is the work activity and proximity to the ladder exit. What I would like to see is more information regarding contaminants from the construction work (solvents, paint, curing agents, welding byproducts, etc.) that might be pulled into the fishway and possibly effect fish holding overnight in the ladder and collection channel. Thanks, Gary

-----Original Message-----

From: Tom Lorz [mailto:lort@critfc.org]  
Sent: Monday, March 13, 2017 11:33 AM  
To: Kovalchuk, Erin H CIV USARMY CENWP (US)  
<Erin.H.Kovalchuk@usace.army.mil>  
Subject: [EXTERNAL] Re: FPOM: Official Coordination 17TDA09 MOC AWS steel frame

looked this over at the meeting, seems with the work done at night should not pose a big issue.

thanks

tom

**Final Results-** FPOM concurred with this action.

**After Action Update 4/17/17-** Time ran out in the schedule to complete this work. This was to be installed after a leveling slab foundation was poured. Contractors installed forms and poured concrete on Mar 31. Project biologist denied further work extension into April due to direction of flow from the work area into the east ladder and the expected soon arrival of spring chinook. Concrete forms were left in place until next work season. There

are concerns about concrete completely filling the form. Potential mid-summer dive may be requested to assess for planning next in water work period. Further MOC to be determined.

Please email or call with questions or concerns.

Thank you,

Bob Cordie

[Robert.P.Cordie@usace.army.mil](mailto:Robert.P.Cordie@usace.army.mil)

TDA Project Fisheries

541-506-7800

Erin Kovalchuk

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Columbia River Coordination Biologist

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