

Project #19-1613, Mill Creek Fish Passage - Division to Roosevelt

Current Status: Application Submitted

Project Details

Primary Sponsor: Tri-State Steelheaders Inc

Primary Contact: Steven Poulos
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Funding Program: FBRB Watershed Pathway

Project Type: Restoration

Project Description

Flood control measures on Mill Creek include a concrete channel that extends over two miles through Walla Walla. The Mill Creek Barrier Assessment completed in 2009 identified and described barriers for Endangered Species Act (ESA) listed steelhead and bull trout and for reintroduced spring Chinook. Returning adults encounter flow dependent depth and velocity barriers, and a lack of resting opportunities. Juvenile fish encounter low spring flows, and high water temperatures in late spring. Often by mid-May, adults and juveniles become trapped in the flood control channel where they experience lethal temperatures. Many of these passage issues are considered imminent threats in the Snake River Salmon Recovery Plan. The Mill Creek channel upstream of the flood control project is a critical and under-utilized area for spawning and rearing of ESA listed species. Restoring fish passage to upper Mill Creek provides an important recovery opportunity for ESA listed fish, as well as good habitat for other native fish and reintroduced spring Chinook. Designs for remodeling the concrete channel to improve water velocities and depths have been implemented and tested in three previous construction projects. This project will complete construction of the Division to Roosevelt portion of the concrete channel. This project is one of multiple projects that are necessary to correct fish passage problems in the Mill Creek flood control project.

Project Overall Metrics (Outcomes, Benefits)

Category / Work Type / Metric

Application Answer

Watershed Pathway Priority Watershed

Select the priority watershed the proposed project is located

Snake River – Snake River Tribs

Completion Date

Projected date of completion

11/30/2021

Sponsor Match: Monetary Funding

Amount of other monetary funding (A.12)

\$976,097.00

Source of other monetary funding (A.12.a)

SRFB contract 17-1305 BPA contract 81032 RFEG funds

Timing of other monetary funding

Both contracts are active. The SRFB contract ends 3/15/2020. The BPA contract ends 2/29/20. These contracts are for a construction phase that is considered the match to this project. RFEG contracts are for the biennium.

Sponsor Match: Donated Un-paid Labor (volunteers)

Value of Donated Unpaid Labor (Volunteers) (A.13.a.2)

\$0.00

Source of Donated Un-paid labor contributions (A.13.a.4)

na

Sponsor Match: Donated Paid Labor

Value of Donated Paid Labor (A.13.b.1)

\$0.00

Source of Donated Paid Contributions (A.13.b.2)

na

Sponsor Match: Other In-kind Contributions

Value of Other In-Kind Contributions (A.13.c.1)

\$0.00

Source of Other In-Kind Contributions (A.13.c.3)

na

Description of other In-Kind contributions (A.13.c.2)

na

Project Funding

Funding Request		Funding %	Min Match Required	Sponsor Match Source	
FBRB Watershed Pathway (FY2020)	\$1,667,912	63.08 %		Grant - Other	\$150,000
Sponsor Match	\$976,097	36.92 %	15%	Grant - RCO Salmon	\$826,097
Total Project Funding	\$2,644,009	100.00 %			

Project Cost Summary		Project %	Admin/A&E %	Maximum for Selected Program
RESTORATION COSTS				
Restoration	\$2,547,912			
A&E	\$96,097		3.77 %	\$764,374 (30%)
Subtotal	\$2,644,009	100.00 %		
Total Cost Estimate	\$2,644,009	100.00 %		

Worksites and Properties

County: Walla Walla
Legislative Districts 2012: 16
Congressional Districts 2012: 05
Salmon Recovery Regions: Snake River
DNR Watershed Units (WAU): Agricultural Lands
4th Field Catalog Units (HUC): Walla Walla
WRIA: Walla Walla
Sections: 21
Township: T07NR36E
Coordinates: 46.06860291
-118.31768093

Worksite #1: Mill Creek channel - Division St to Roosevelt St

Coordinates from Mapped Point:	Latitude: 46.06860291	Longitude: -118.31768093
Coordinates from Worksite	Latitude: 46.069913	Longitude: -118.319599
Directions:		

Worksite Description: Mill Creek flood channel between Division St and Roosevelt St. Existing concrete in the flood channel will be removed and replaced to provide hydraulic conditions favorable to fish passage.

Site Access Directions: From HWY 12, take Wilbur Ave exit. Follow Wilbur Ave south to a stoplight at Isaacs St. Turn Right onto Isaacs. At the next light, turn left (south) onto Roosevelt St. Proceed on Roosevelt to the bridge crossing Mill Creek. Street parking or park in church parking lot.

Worksite Address:

Restoration Metrics (Outcomes, Benefits)

Category / Work Type / Metric	Application Answer	Work Type Costs
Targeted salmonid ESU/DPS (A.23)	Steelhead-Middle Columbia River DPS	
Targeted species (non-ESU species)	Bull Trout, Rainbow	
Project Identified In a Plan or Watershed Assessment (C.0.c)	Snake River Salmon Recovery Board, 2011, Snake River Salmon Recovery Plan for Southeast Washington, http://snakeriverboard.org/wpi/wp-content/uploads/2013/01/Full-Version-SE-WA-recovery-plan-121211.pdf	
Type Of Monitoring (C.0.d.1)	None	
Monitoring Location (C.0.d.2)	No monitoring completed	
Fish Passage Improvement		
Number of blockages / impediments / barriers impeding passage (C.2.b.4)	1	
Type Of Barrier (C.2.b.3)	Weir	
Miles Of Stream Made Accessible (C.2.b.1)	50.00	
Fishway chutes or pools installed (C.2.d.1)		
Total cost for Fishway chutes or pools installed		\$2,546,712.00
Number Of Fishway Chutes/Pools Installed (C.2.d.2)	32	
Permits		
Obtain permits		
Total cost to Obtain permits		\$1,200.00
Number of permits required for implementation of project	3	
Architectural & Engineering		
Architectural & Engineering (A&E)		
Total cost for Architectural & Engineerina (A&E)		\$96.097.00

Restoration Questions

- 1 of 6

Is the worksite(s) located within an existing park, wildlife refuge, natural area preserve, or other recreation or habitat site? If yes, name the area and specify if the land is owned by local, state or federal government.
No
- 2 of 6

Cultural Resources: What is the current land use of the site? Has there been ground disturbances historically, if so, what are/were those disturbances? Is there any fill where ground disturbance is proposed? If known, how deep is the fill? The answer to this question will be used in cultural resource consultation so please provide detailed information.
This section of Mill Creek is a concrete-lined flood control channel, completed in the 1940s. BPA completed cultural resource compliance for the entire concrete channel in 2011 for project 09-1587.
- 3 of 6

Cultural Resources: Has the worksite been investigated for historical, archeological, or cultural resources? If yes, when did this occur and what agencies and tribes were consulted? Attach related documents (letters, surveys, agreements, etc.) to your project in PRISM.
Yes, BPA completed cultural resource compliance for the entire concrete channel in 2011 for project 09-1587.

- 4 of 6

Cultural Resources: Describe any proposed ground disturbing activities that will take place as part of your project. This includes work conducted by hand or mechanized tools. Provide specific information including length, width, and depth of the ground disturbance. Ground disturbing work includes all restoration activities, geotech, fencing, demolition, etc. Avoid subjective phrases such as “ground disturbing activities will be minor”.

A portion of the concrete channel will be saw-cut and removed. Native material under the concrete will be removed to achieve the sub-grade. This will occur for the full length, 2,000 feet, of the project. The width of the removed concrete is approximately 8 feet. Access to the channel may involve cutting and removing a 16-foot wide section of the channel wall, and excavating a ramp to the opening.
- 5 of 6

Cultural Resources: Are there any structures existing on the property (including tidegates, dikes, residential structures, bridges, rail grades, etc.)? If so, please list all existing structures. Indicate if any of these structures will be altered or demolished as a result of the project, and provide the following for each structure that could be altered or demolished: identifying name, year constructed, year(s) remodeled/renovated. Attach at least one photo of each altered structure.

Yes, There are two bridges over the channel. There are no planned activities that involve the bridges.
- 6 of 6

Give street address or road name and mile post for this worksite if available.

The site is between Roosevelt St and Division St in Walla Walla. There is no address associated with the site.

Property for Mill Creek channel - Division St to Roosevelt St Worksite #1: Mill Creek channel

Activity: Restoration

Landowner
 Walla Walla County Public Works Department
 990 Navion Lane
 Walla Walla, WA 99362

Landowner Type: Local Government

Control and Tenure
Instrument Type: Landowner Agreement
Purchase Type:
Term Length: Fixed # of years (10 years)
Expiration Date:
Note:

Overall Project Questions

- 1 of 5

Is the project on State Owned Aquatic Lands? Please contact the Washington State Department of Natural Resources to make a determination. (www.dnr.wa.gov/Publications/aqr_land_manager_map.pdf)

No
- 2 of 5

Does your project address or accommodate the anticipated effects of climate change? If yes or maybe, please describe how.

No
- 3 of 5

Is any part of the scope of work included in this application required as mitigation for another project or action or court injunction? E.g. FERC relicensing, Habitat Conservation Plan, legal settlement, culvert injunction, etc. If yes, explain:

No
- 4 of 5

Provide the WDFW Site ID for the proposed culvert barrier correction worksite(s) or enter Unknown.

602305
- 5 of 5

When was the last barrier evaluation and downstream check conducted for the proposed barrier correction worksite(s)? Please provide an overview of the barrier evaluation and downstream check results (for example: The existing culvert was evaluated in 2014 and determined to be a 33% passable slope barrier. There are no barriers downstream.)

The barrier assessment report for the Mill Creek flood control channel was completed in 2009, and is the basis for all subsequent passage work.

Project Permits

Permit Type	Applied Date	Received Date	Expiration Date	Permit Number
Dredge/Fill Permit [Section 10/404 or 404]				
Endangered Species Act Compliance [ESA]				
Hydraulics Project Approval [HPA]				
Other Required Permits				
Permit Questions				
1 of 3	Will this project require a federal permit? If this project requires a federal permit, will the scope of that permit cover ALL proposed ground disturbing activities included in this project? You may need to request a pre-application meeting with the permitting agency to answer this question. Yes, Corps of Engineers dredge/fill permit and Section 408 permission. The dredge/fill permit covers the ground disturbing activities.			
2 of 3	Are you planning on using the federal permit streamlining process (Limit 8, www.rco.wa.gov/documents/fact_sheets/Permit_Streamlining_fact_sheet.pdf)? Yes			
3 of 3	Are you planning on using the Fish Habitat Enhancement Project (FHEP) streamlining process (http://apps.oria.wa.gov/permithandbook/permitdetail/112)? If no, please let us know why. Yes			

Project Attachments

Attachment Type	Title	Attach Date
Applicant Resolution/Authorizations	App Auth.pdf	07/09/2019
Barrier evaluation form	Mill Creek Fish Passage Assessment .pdf	07/09/2019
Barrier evaluation form	Correction Analysis Form.doc.doc	07/08/2019
Cost Estimate	Cost Estimate .xlsx	07/09/2019
Map: Restoration Worksite	MC watershed.jpg.jpg	07/08/2019
Milestones	Restoration milestone worksheet.doc.doc	07/10/2019
Photo	Mill Creek current configuration.JPG.jpg	07/08/2019
Photo	Mill Creek proposed channel redesign.JPG.jpg	07/08/2019
Photo	Mill Creek Proposed Channel redesign aerial.jpg.jpg	07/08/2019
Plans and Bid Specifications	Final Plans.pdf	07/09/2019

Application Status

Application Due Date: 07/10/2019

Status	Status Date	Name	Notes
Application Submitted	07/10/2019	Brian Burns	
Preapplication	06/07/2019		

I certify that to the best of my knowledge, the information in this application is true and correct. Further, all application requirements due on the application due date have been fully completed to the best of my ability. I understand that if this application is found to be incomplete, it will be rejected by RCO. I understand that I may be required to submit additional documents before evaluation or approval of this project and I agree to provide them. (Brian Burns, 07/10/2019)