

PROJECT: 23-1030 PLAN, WALLA WALLA RIVER B2B PHASE 4 DESIGN

Sponsor: Tri-State Steelheaders Inc Program: Salmon State Projects Status: Application Resubmitted

Parties to the Agreement

PRIMARY SPONSOR

Tri-State Steelheaders Inc

Address PO Box 1375

City Walla Walla **State** WA **Zip** 99362

Org Type Non-Gov-Reg Fisheries Enhance Group

Vendor # SWV0015388-00

UBI 601169392

Date Org created

Org Notes

[link to Organization profile](#)

Org data updated

SECONDARY SPONSORS

No records to display

MANAGING AGENCY

Recreation and Conservation Office

LEAD ENTITY

Snake River Salmon Rec Bd LE

QUESTIONS

#1: List project partners and their role and contribution to the project.

External Systems

SPONSOR ASSIGNED INFO

Sponsor-Assigned Project Number

Sponsor-Assigned Regions

EXTERNAL SYSTEM REFERENCE

Source	Project Number	Submitter
HWS	23-1030	AFitzgerald

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Project Contacts

Contact Name Primary Org	Project Role	Work Phone	Work Email
Alice Rubin Rec. and Conserv. Office	Project Manager	(360) 867-8584	alice.rubin@rco.wa.gov
Morgan Morris Tri-State Steelheaders Inc	Project Contact	(509) 529-3543	morgan@tristatesteelheaders.com
Brian Burns Tri-State Steelheaders Inc	Alt Project Contact	(509) 529-3543	brian.burns@tristatesteelheaders.com
Ali Fitzgerald Snake River Salmon Rec Bd LE	Lead Entity Contact	(509) 382-4115	ali@snakeriverboard.org

Worksites & Properties

Worksite Name

#1 Walla Walla B2B Phase 4 Design

Planning	Property Name
✓	Mike Buckley

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Worksite Map & Description

Worksite #1: Walla Walla B2B Phase 4 Design

WORKSITE ADDRESS

Street Address Lowden Gardena Rd

City, State, Zip Walla Walla WA 99362

Worksite Details

Worksite #1: Walla Walla B2B Phase 4 Design

SITE ACCESS DIRECTIONS

From Lowden, head west on Highway 12. Turn south onto Lowden-Gardena Rd. The project site is accessed from the first bridge you come to.

TARGETED ESU SPECIES

Species by ESU	Egg Present	Juvenile Present	Adult Present	Population Trend
Chinook-Middle Columbia River Spring, Not Warranted	✓	✓	✓	
Steelhead-Middle Columbia River, Walla Walla River, Threatened	✓	✓	✓	

Reference or source used

WDFW and CTUIR habitat reports on lower Walla Walla River

TARGETED NON-ESU SPECIES

Species by Non-ESU	Notes
Bull Trout	
Lamprey	
Rainbow	

Questions

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

Lowden Gardena Rd, mile marker 1

Project Location

RELATED PROJECTS

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Projects in PRISM

PRISM Number	Project Name	Program Name	Current Status	Relationship Type	Notes
17-1267 R	Bridge to Bridge Restoration Phase 2-	Salmon State Projects	Closed Completed	Earlier Phase	
14-1902 P	Bridge to Bridge Final Restoration Design	Salmon Federal Projects	Closed Completed	Earlier Phase	
11-1588 R	Bridge to Bridge - Levee Removal	Salmon Federal Projects	Closed Completed	Earlier Phase	
10-1819 P	Bridge to Bridge Levee Final Design	Salmon Federal Projects	Closed Completed	Earlier Phase	
08-2028 P	Walla Walla River Bridge to Bridge Rest Design	Salmon Federal Projects	Closed Completed	Earlier Phase	
19-1497 P	Walla Walla B2B Phase 3 Design	Salmon State Projects	Active	Earlier Phase	Schedule to be completed in March of 2023.

Related Project Notes

Questions

#1: Project location. Describe the geographic location, water bodies, and the location of the project in the watershed, i.e. nearshore, tributary, main-stem, off-channel, etc.

The proposed project is on the lower Walla Walla River main stem between McDonald Rd and Lowden Road. The project is about 25 miles upstream from the confluence with the Columbia River. This project will address about 2,000 ft of the channel

#2: How does this project fit within your regional recovery plan and/or local lead entity's strategy to restore or protect salmonid habitat? Cite section and page number.

This section of the Walla Walla River is identified by the Snake River Recovery Board as a priority restoration reach and major spawning area. CTUIR lower Walla Walla River Geomorphic Assessment and Actions Plan (2014) identifies the reach as priority for restoration. The 2008 Fish Accords (Three Treaty Tribes-Action Agencies 2008), the Lower Walla Walla River was identified as a top priority in the CTUIR Independent Science Review Panel proposal (2013).

#3: Is this project part of a larger overall project?

Yes

#3a: How does this project fit into the sequencing of the larger project?

This project is the 4th and final design project in the Bridge to Bridge project. Phases 1 and 2 have been completed. Phase 3A is being proposed for funding in this grant round. Phase 3B will be proposed for funding next year. This design phase is proposed now in order to minimize the time between implementation of 3B and 4.

#4: Is the project on State Owned Aquatic Lands? Please contact the Washington State Department of Natural Resources to make a determination. [Aquatic Districts and Managers](#)

No

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Property Details

Property: Mike Buckley (Worksite #1: Walla Walla B2B Phase 4 Design)

✓ Planning

LANDOWNER

Name Mike Buckley
Address 11537 W. Hwy 12
City Walla Walla
State WA Zip 99362
Type Private

CONTROL & TENURE

Instrument Type Landowner Agreement
Timing Proposed
Term Length Fixed # of years
Yrs 10
Expiration Date
Note

Project Proposal

Project Description

The Bridge to Bridge Restoration Design completed in 2010 (RCO project #08-2028) developed preliminary plans for nearly two miles of the Walla Walla River near Lowden, WA. Final designs were completed for the upper third of the 2 mile design reach, and implementation of those plans was completed in 2013 (Phase 1). Final designs were completed for the remaining part of the design reach (developed through RCO project #14-1902). Significant changes within the project reach from high spring flows have resulted in-stream conditions which require significant re-design before restoration. The design will complete the 4th and final phase of the project. This section of the Walla Walla River is identified by The Snake River Salmon Recovery Plan as a priority restoration reach in the Walla Walla mainstem major spawning area. Adult and juvenile summer steelhead and spring Chinook use the project reach during their migrations and Bull Trout occur there seasonally. Other species of cultural value and state concern that utilize the project reach are Margined Sculpin, Leopard Dace, and River Lamprey.

Project Questions

#1: Problem statement. What are the problems your project seeks to address? Include the source and scale of each problem. Describe the site, reach, and watershed conditions. Describe how those conditions impact salmon populations. Include current and historic factors important to understand the problems.

The lower Walla Walla River, between McDonald Rd bridge and Lowden Rd Bridge, lacks aquatic, riparian, and upland habitat. Due to limited instream and off-channel habitat for anadromous fish, there has been documented increased mortality among out-migrating smolts in the lower Walla Walla River, with as many as 70 percent failing to reach McNary Dam, as stated in the Geomorphic Assessment and Action Plan by CTUIR in 2014. The current conditions and sources of mortality in the lower Walla Walla River may hinder important salmonid overwinter rearing and overall recovery of fish species, as noted by CTUIR in 2014. The USFWS multi-year synthesis for the Walla Walla River (Schaller et al. 2014) suggests that because the lower river has degraded habitat conditions and bull trout migrate downstream out of the headwater area, small classes of migratory bull trout may be the most susceptible to mortality.

#2: Describe the limiting factors, and/or ecological concerns, and limiting life stages (by fish species) that your project expects to address.

According to the Lower Walla Walla River Geomorphic Assessment and Action Plan by the CTUIR 2014, the lower Walla Walla River in the project reach is a low-gradient, primarily single-channel, straightened, and restricted from its historic flood plain. It also lacks riparian areas and complexity. The project reach is affected by specific physical and physiological limiting factors such as water quantity, quality, and temperature, as well as biological factors such as predation. These conditions particularly impact out-migrating juveniles for target species mid-Columbia Steelhead, limiting overwinter rearing habitat.

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#3: What are the project goals? The goal of the project should be to solve identified problems by addressing the root causes. Then clearly state the desired future condition. Include which species and life stages will benefit from the outcome, and the time of year the benefits will be realized. **Example Goals and Objectives**

The overarching objective of this project is to improve and diversify the aquatic, riparian, and upland habitat while increasing flood plain connectivity and minimizing excessive terrace erosion within project reach. This will ultimately enhance the quantity, quality, and diversity of habitat for target species, especially for out-migrating juveniles and winter rearing.

#4: What are the project objectives? Objectives support and refine biological goals, breaking them down into smaller steps. Objectives are specific, quantifiable actions the project will complete to achieve the stated goal. Each objective should be SMART (Specific, Measurable, Achievable, Relevant, and Time-bound). **Example Goals and Objectives**

Objective 1: Add large wood structures including bank rootwads and flow deflection jams and apex jams, providing increased spawning gravel bars, pool and cover for juveniles, and stream braiding.
Objective 2: Plant riparian species including willow, water birch, black cottonwood, and redosier dogwood. Plant grass species like basin wildrye, bluegrass, and snake river wheatgrass.
Objective 3: Minimize bank erosion along upper terraces with riparian plantings on targeted unstable banks.
Objective 4: Increase floodplain connectivity with excavation and enhancement with LWD of side channels to improve off channel winter rearing habitat.

#5: Scope of work and deliverables. Provide a detailed description of each project task/element. With each task/element, identify who will be responsible for each, what the deliverables will be, and the schedule for completion.

This project will deliver final design of phase 4 of the bridge-to-bridge project. The Tri-State Steelheaders will be responsible for completion of design project. Including
Contracting engineering firm in beginning of 2024
Design review with stakeholder engagement through 2024
Cultural Resource Survey in summer 2025
Final design and basis for design report ready for construction January 2025.

#6: What are the assumptions and physical constraints that could impact whether you achieve your objectives? Assumptions and constraints are external conditions that are not under the direct control of the project, but directly impact the outcome of the project. These may include ecological and geomorphic factors, land use constraints, public acceptance of the project, delays, or other factors. How will you address these issues if they arise?

The section of the Walla Walla River has been included in previous phases design and construction projects. We will build on the experience learned in those projects to complete this design project. There is a bridge in the down stream end of the project reach that will need to be considered in design. Landowner has informed us of an irrigation pipe under the channel that could impact design.

#7: How have lessons learned from completed projects or monitoring studies informed this project?

This will be 4th Bridge to Bridge final design, all utilizing the engineering team at GeoEngineers. Each of the construction projects includes an as-built report. This project will implement the same design goals and objectives that have been used in previous phases.

#8: Describe the alternatives considered and why the preferred was chosen.

The alternative analysis was created in bridge to bridge restoration design #08-2028. The process involved the identification of the project's goals and objectives. Several enhancement alternatives were developed to a conceptual level using similar assumptions and cost estimates to facilitate a reasonable side by side comparison. The alternative with the highest benefit-to-cost ratio as defined by the overriding project goals and input from stakeholders. The alternative which included the protection of terrace banks, creating off-channel habitat, realigning portions of the channel, and excavating off-channel habitat was chosen for its preferred cost-to-benefit rating.

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#9: How were stakeholders consulted in the development of this project? Identify the stakeholders, their concerns or feedback, and how those concerns were addressed.

CTUIR and WDFW have been consulted with during the development of this phase and previous phases. The current stakeholders are WWCCD, CTUIR, and WDFW will be engaged for design review and input.

#10: Does your project address or accommodate the anticipated effects of climate change?
Yes

#10a: How will your project be climate resilient given future conditions?

Climate change is increasing the likelihood of warmer air temperatures and more precipitation in the winter and reduced precipitation in the summer. This project provides stream complexity allowing for greater survivability in an increased range of conditions include flow and temperature.

#10b: How will your project increase habitat and species adaptability?

Upon implementation, by the installation of large woody debris in the project reach, in addition to riparian tree plantings, we hope increased shading and habitat will maintain cooler water temperatures for the benefit of cold-water fish species.

#11: Describe the sponsor's experience managing this type of project. Describe other projects where the sponsor has successfully used a similar approach.

The sponsor began working on Walla Walla River Bridge to Bridge with the 08-2028 initial design. The sponsor has completed 2 previous projects in the reach.

#12: Will veterans (including the veterans conservation corps) be involved in the project? If yes, please describe.
No

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Planning Supplemental

#1: Is the project an assessment / inventory?

No

#2: Is your project a Barrier / Screening Diversion Inventory Project?

No

#3: Is this a fish passage design / screening design project?

No

#4: Will the project develop a design?

Yes

#4a: Will a licensed professional engineer design of the project?

Yes

#4b: Will you apply for permits as part of the project scope?

no

Planning Metrics

Worksite: Walla Walla B2B Phase 4 Design (#1)

Area Encompassed (acres) (B.0.b.1) 30.

Miles of Stream and/or Shoreline Affected (B.0.b.2) 0.

DESIGN FOR SALMON RESTORATION

Final design and permitting (B.1.b.11.a RCO)

Total cost for Final design and permitting \$64,000

Project Identified in a Plan or Watershed Assessment. (1221) (B.1.b.11.a) Bridge to Bridge project is identified as priority in the Walla Walla 2050 plan. Snake River Salmon Recovery Board (2020 Version). Snake River Salmon Recovery Region Provisional Work Plan. Day 1 Work Plan

Priority in Recovery Plan (1223) (B.1.b.11.b) National Marine Fisheries Service, 2008 Middle Columbia River Steelhead Distribution Population Segment ESA Recovery Plan. Portland, OR

CULTURAL RESOURCES

Cultural resources

Total cost for Cultural resources \$20,000

Acres surveyed for cultural resources 30.

Overall Project Metrics

COMPLETION DATE

Projected date of completion 08/31/20

Planning Cost Estimates

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Worksite #1: Walla Walla B2B Phase 4 Design

Category	Work Type	Estimated Cost	Note
Cultural Resources	Cultural resources	\$20,000	
Design for Salmon restoration	Final design and permitting (B.1.b.11.a RCO)	\$64,000	
	Subtotal:	\$84,000	
	Total Estimate For Worksite:	\$84,000	

Summary

Total Estimated Costs:	\$84,000
Total Estimated Planning Costs:	\$84,000

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Project Permits

Permits and Reviews

Issuing Organization

Applied Date

Received
Date

Expiration
Date

Permit #

None - No permits Required

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Attachments

Required Attachments

6 out of 6 done

Applicant Resolution/Authorizations	✓
Cost Estimate	✓
Landowner acknowledgement form	✓
Map: Planning Area	✓
Photo	✓
RCO Fiscal Data Collection Sheet	✓

PHOTOS (JPG, GIF)

Photos (JPG, GIF)



PROJECT DOCUMENTS AND PHOTOS

Project Documents and Photos

File Type	Attach Date	Attachment Type	Title	Person	File Name, Number Associations	Sh
	06/21/2023	Project Application Report	Project Application Report, 23-1030P (sub 06/21/23 11:32:08)	MorganM	Project Application Report - 23-1030 (submitted 06-21-2023_11-32-08).pdf, 567139	✓
	05/24/2023	Application Review Report	Grant Manager Comments, 23-1030P(rtnd 05/24/23 13:04)	AliceR	Grant Manager Comments Report - 23-1030 (rtnd 05-24-2023_13-04-06).pdf, 563780	✓
	04/14/2023	Project Application Report	Project Application Report, 23-1030P (sub 04/14/23 14:30:07)	MorganM	Project Application Report - 23-1030 (submitted 04-14-2023_14-30-07).pdf, 558229	✓
	04/14/2023	Cost Estimate	SRFB_Cost_Estimate B2B Planning.xlsx.XLSX	MorganM	SRFB_Cost_Estimate B2B Planning.xlsx.xlsx, 558158	✓
	03/03/2023	Landowner acknowledgement form	RCO-LandownerAck-B2BPhase4Design.pdf	MorganM	RCO-LandownerAck-B2BPhase4Design.pdf, 553800	✓
	03/03/2023	Applicant Resolution/Authorizations	B2BPhase4_ApplicantAuthorizationResoluti	MorganM	B2BPhase4_ApplicantAuthorizationRes... 553799	✓
	02/23/2023	RCO Fiscal Data Collection Sheet	FiscalDataCollectionSheet.pdf	MorganM	FiscalDataCollectionSheet.pdf, 552583	✓
	02/22/2023	Photo	Phase4_5212022.jpg	MorganM	Phase4_5212022.jpg, 552458	✓
	02/02/2023	Map: Planning Area	Bridge to Bridge Phased Map.pdf	MorganM	Bridge to Bridge Phased Map.pdf, 550471	✓
	02/02/2023	Map: Planning Area	B2B_VicinityMap.JPG (1).JPG	MorganM	B2B_VicinityMap.JPG (1).jpg, 550470	✓

Application Status

Application Due Date: 06/27/2023

Status Name	Status Date	Submitted By	Submission Notes
Application Resubmitted	06/21/2023	Morgan Morris	
Application Returned	05/24/2023	Alice Rubin	
Application Submitted	04/14/2023	Morgan Morris	
Preapplication	01/09/2023		

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. (Morgan Morris, 06/21/2023)

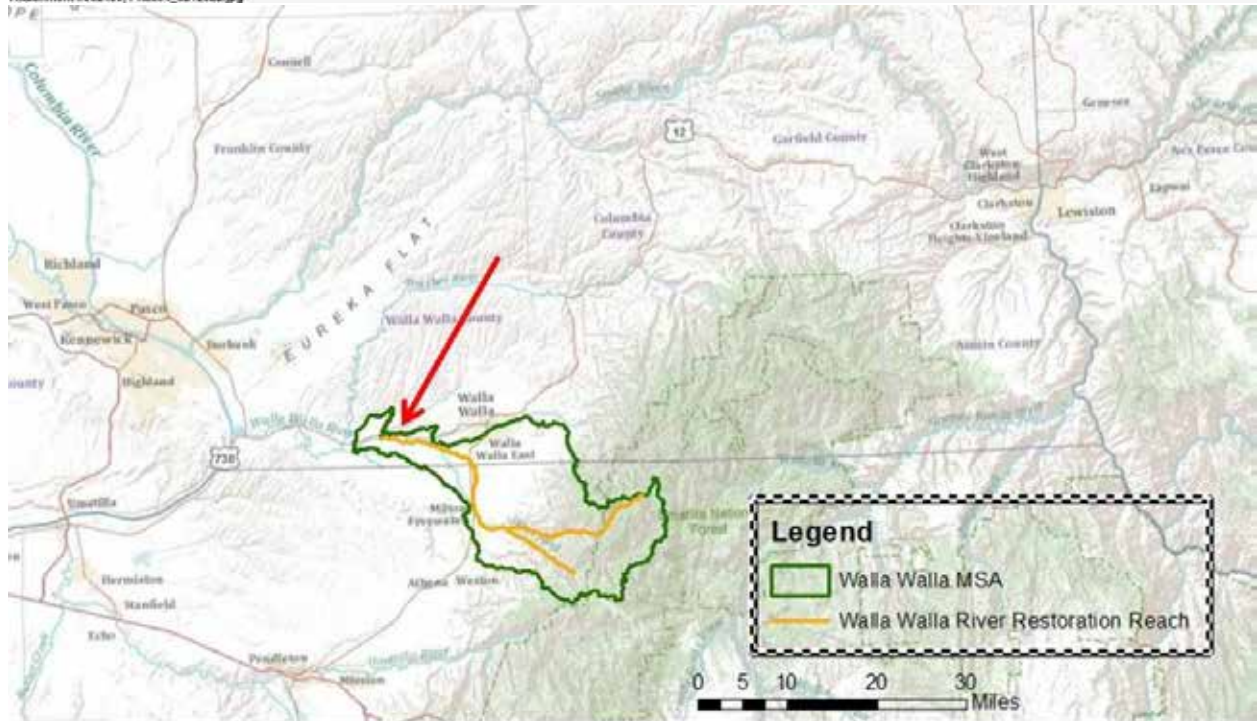
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Date of last change: 06/21/2023



Tri-State Steelheaders Inc; Walla Walla River B2B Phase 4 Design (#23-1030)

Attachment #552458, Phase4_5212022.jpg



Tri-State Steelheaders Inc; Walla Walla River B2B Phase 4 Design (#23-1030)

Attachment #550470, B2B_VicinityMap.JPG (1).JPG



Applicant Resolution/Authorization

Organization Name (sponsor) _____

Resolution No. or Document Name _____

Project(s) Number(s), and Name(s) _____

This resolution/authorization authorizes the person(s) identified below (in Section 2) to act as the authorized representative/agent on behalf of our organization and to legally bind our organization with respect to the above Project(s) for which we seek grant funding assistance managed through the Recreation and Conservation Office (Office).

WHEREAS, grant assistance is requested by our organization to aid in financing the cost of the Project(s) referenced above;

NOW, THEREFORE, BE IT RESOLVED that:

1. Our organization has applied for or intends to apply for funding assistance managed by the Office for the above "Project(s)."
2. Our organization authorizes the following persons or persons holding specified titles/positions (and subsequent holders of those titles/positions) to execute the following documents binding our organization on the above projects:

Grant Document	Name of Signatory or Title of Person Authorized to Sign
Grant application (submission thereof)	
Project contact (day-to-day administering of the grant and communicating with the RCO)	
RCO Grant Agreement (Agreement)	
Agreement amendments	
Authorizing property and real estate documents (Notice of Grant, Deed of Right or Assignment of Rights if applicable). These are items that are typical recorded on the property with the county.	

The above persons are considered an "authorized representative(s)/agent(s)" for purposes of the documents indicated. Our organization shall comply with a request from the RCO to provide documentation of persons who may be authorized to execute documents related to the grant.

3. Our organization has reviewed the sample RCO Grant Agreement on the Recreation and Conservation Office's WEB SITE at: <https://rco.wa.gov/wp-content/uploads/2019/06/SampleProjAgreement.pdf>. We understand and acknowledge that if offered an agreement to sign in the future, it will contain an indemnification and legal venue stipulation and other terms and conditions substantially in the form contained in the sample Agreement and that such terms and conditions of any signed Agreement shall be legally binding on the sponsor if our representative/agent enters into an Agreement on our behalf. The Office reserves the right to revise the Agreement prior to execution.
4. Our organization acknowledges and warrants, after conferring with its legal counsel, that its authorized representative(s)/agent(s) have full legal authority to act and sign on behalf of the organization for their assigned role/document.
5. Grant assistance is contingent on a signed Agreement. Entering into any Agreement with the Office is purely voluntary on our part.
6. Our organization understands that grant policies and requirements vary depending on the grant program applied to, the grant program and source of funding in the Agreement, the characteristics of the project, and the characteristics of our organization.
7. Our organization further understands that prior to our authorized representative(s)/agent(s) executing any of the documents listed above, the RCO may make revisions to its sample Agreement and that such revisions could include the indemnification and the legal venue stipulation. Our organization accepts the legal obligation that we shall, prior to execution of the Agreement(s), confer with our authorized representative(s)/agent(s) as to any revisions to the project Agreement from that of the sample Agreement. We also acknowledge and accept that if our authorized representative(s)/agent(s) executes the Agreement(s) with any such revisions, all terms and conditions of the executed Agreement shall be conclusively deemed to be executed with our authorization.
8. Any grant assistance received will be used for only direct eligible and allowable costs that are reasonable and necessary to implement the project(s) referenced above.
9. [for Recreation and Conservation Funding Board Grant Programs Only] If match is required for the grant, we understand our organization must certify the availability of match at least one month before funding approval. In addition, our organization understands it is responsible for supporting all non-cash matching share commitments to this project should they not materialize.
10. Our organization acknowledges that if it receives grant funds managed by the Office, the Office will pay us on only a reimbursement basis. We understand reimbursement basis means that we will only request payment from the Office after we incur grant eligible and allowable costs and pay them. The Office may also determine an amount of retainage and hold that amount until all project deliverables, grant reports, or other responsibilities are complete.
11. [for Acquisition Projects Only] Our organization acknowledges that any property acquired with grant assistance must be dedicated for the purposes of the grant in perpetuity unless otherwise agreed to in writing by our organization and the Office. We agree to dedicate the property in a signed "Deed of Right" for fee acquisitions, or an "Assignment of Rights" for other than fee acquisitions (which documents will be based upon the Office's standard versions of those documents), to be recorded on the title of the property with the county auditor. Our organization acknowledges that any property

acquired in fee title must be immediately made available to the public unless otherwise provided for in policy, the Agreement, or authorized in writing by the Office Director.

12. [for Development, Renovation, Enhancement, and Restoration Projects Only–If our organization owns the project property] Our organization acknowledges that any property owned by our organization that is developed, renovated, enhanced, or restored with grant assistance must be dedicated for the purpose of the grant in perpetuity unless otherwise allowed by grant program policy, or Office in writing and per the Agreement or an amendment thereto.
13. [for Development, Renovation, Enhancement, and Restoration Projects Only–If your organization DOES NOT own the property] Our organization acknowledges that any property not owned by our organization that is developed, renovated, enhanced, or restored with grant assistance must be dedicated for the purpose of the grant as required by grant program policies unless otherwise provided for per the Agreement or an amendment thereto.
14. [Only for Projects located in Water Resources Inventory Areas 1-19 that are applying for funds from the Critical Habitat, Natural Areas, State Lands Restoration and Enhancement, Riparian Protection, or Urban Wildlife Habitat grant categories; Aquatic Lands Enhancement Account; or the Puget Sound Acquisition and Restoration program, or a Salmon Recovery Funding Board approved grant] Our organization certifies the following: the Project does not conflict with the Puget Sound Action Agenda developed by the Puget Sound Partnership under RCW 90.71.310.
15. This resolution/authorization is deemed to be part of the formal grant application to the Office.
16. Our organization warrants and certifies that this resolution/authorization was properly and lawfully adopted following the requirements of our organization and applicable laws and policies and that our organization has full legal authority to commit our organization to the warranties, certifications, promises and obligations set forth herein.

This resolution/authorization is signed and approved on behalf of the resolving body of our organization by the following authorized member(s):

Signed 
Title Board President Date 3/1/23

On File at: Tri-State Steelheaders' office

This Applicant Resolution/Authorization was adopted by our organization during the meeting held:
(Local Governments and Nonprofit Organizations Only):

Location: SonBridge Community Center Date: 3/1/2023

Washington State Attorney General's Office

Approved as to form  2/13/2020
Assistant Attorney General Date

You may reproduce the above language in your own format; however, text may not change.

Landowner Acknowledgement Form¹

Project Applicant Information

Applicant Name: Tri-State Steelheaders
Project Number/Name: 23-1030 Plan, B2B Phase 4 Design
Contact: Mr. Ms. First Name: Morgan Last Name: Morris
Title: Project Manager
Mailing Address: PO Box 1375 Walla Walla, WA 99362
E-Mail Address: Morgan@tristatesteelheaders.com

Property Information

Address or Location: 11537 W Highway 12 Walla Walla, WA 99362
County/Parcel Number: 340729310005

Landowner Information

Landowner Name: Micheal Buckley
Representative: Mr. Ms. First Name: Michael Last Name: Buckley
Title:
Mailing Address: 11537 W Highway 12 Walla Walla, WA 99362
E-Mail Address: buckley@pocketinet.com

1. (insert landowner name) is the legal owner of property described in the grant application being submitted to the Recreation and Conservation Office by the project applicant.
2. I am aware that the project being proposed in the grant application is on my property.
3. If a grant is successfully awarded, I will be contacted and asked to engage in negotiations.
4. My signature does not represent authorization of project implementation.
5. If I am affiliated with the project applicant, I will recuse myself from decisions made by the project applicant to work on or purchase my property.
6. There are / are not (circle one) tenants on the property. Tenants displaced as a result of this project may be eligible for relocation assistance.


Landowner/Representative Signature

2/27/23
Date

¹ "Manual 3: Acquisition Projects," Appendix H

DESIGN PROJECTS

The costs on this page are for design projects, not for the design phase of a restoration grant.

[See Manual 18, Appendix D for additional information regarding allowable costs.](#)

				OVERALL PROJECT	GRANT REQUEST	MATCH				
				<i>Budget must account for all costs to complete the project</i>	<i>Enter only the amount of the grant request</i>	<i>The Grant Request and Match should equal the total project cost and Budget Check cell should be 0. Sponsors must account for all sources and types of match need to complete the project.</i>				
				Amount	Amount	Match	Funding not reported in PRISM	Source (Grant, Cash, Materials, Labor, Volunteers, etc)	Match Type (federal, state, local)	
Design Costs										
Category	Task Description	Qty	Rate							
Survey	<i>Site Review, Visual Survey,</i>	1.00	\$ 22,000.00	\$ 22,000	\$ 22,000		\$ -			State
Final design	<i>Design, Design Report and Engineer's estimate</i>	1.00	\$ 31,000.00	\$ 31,000	\$ 31,000		\$ -			State
Administrative	<i>Grant admin, etc.</i>	1.00	\$ 5,000.00	\$ 5,000	\$ 5,000		\$ -			State
Data collection	<i>Riparian habitat survey, assessment and report</i>	1.00	\$ 6,000.00	\$ 6,000	\$ 6,000		\$ -			State
Cultural resources	<i>Cultural resources</i>	1.00	\$ 20,000.00	\$ 20,000	\$ 20,000		\$ -			State
				STotal	\$ 84,000	\$ 84,000		\$ -		State
				GTOTAL	\$ 84,000	\$ 84,000	\$ -			

PROJECT: 23-1030 P, Walla Walla River B2B Phase 4 Design

Sponsor: Tri-State Steelheaders Inc Program: SALMON ST PROJ Status: Application Resubmitted

MEETING: Initial Review

Shared: 5/24/2023

Review Status: Needs more information

Considerations:

Topics	Comments
Review Panel Comments - Initial	
Questions (response required)	
	Please provide a list of the expected documents to be produced by this project.
	Reply: This project will produce a final design report, engineered drawings, and estimate of anticipated unit costs for Phase 4 of Bridge to Bridge.
	Would the sponsor consider designing adaptive management actions for previously implemented Phase 1 at the same time?
	Reply: Construction costs have led us to divide Phase 3 into two construction projects. Adding Phase 1 work acts against the cost control we're trying to achieve. Based on our experience with Phase 2 (major changed conditions after final design), we also would be concerned about design too far ahead of implementation. We do envision re-visiting Phase 1, see the last answer below.
	Were previous phases constructed in general accord with the methods identified in the B2B phase 3 final design drawings? Were the construction flow bypass and LWD installation methods completed as expected?
	Reply: GeoEngineers has designed all phases. The lead engineer for Phase 1 was different than subsequent phases, but their project manager has remained the same. Phases 1 and 2 were very different in the work completed. Much of Phase 1 was an 800-foot long LWD bank structure, so that length of channel was bypassed. Phase 2 structures were more distributed throughout the project area, and installed to engage flow at higher discharges, so many were installed in the dry without any water control needed. At the time Phase 1 was completed in 2013, vibratory pounders were not as common as they are now. Piles were drilled for Phase 1. Phase 2 piles were placed by vibratory pounder. As this has become a common approach, it is also our preferred approach.
Improvements to Make Project Technically Sound (response required)	
	A more complete summary of the outcomes, improvements and possible misses (where project didn't meet objectives) from phase 1 and 2 implementation would boost the confidence in developing designs based on the same approach used in these previous phases. Very little detail or specific lessons learned has been provided in question #7 of the application. The only thing we know is that the reach has changed due to high water events since 2020, but we don't know how habitat and channel processes are changing in response to restoration actions.

PROJECT: 23-1030 P, Walla Walla River B2B Phase 4 Design

Sponsor: Tri-State Steelheaders Inc Program: SALMON ST PROJ Status: Application Resubmitted

	<p>Reply: The design approach that unifies the phases was selected in the conceptual design for the reach. That is, remove obstacles and let the river's natural processes dictate (rather than putting the channel where we think it should be). Each phase has had slightly different goals.</p> <p>The goals of Phase 1 were to remove a half-mile of levee (which defined the project reach) that confined the river and to add some LWD for habitat complexity and in anticipation of realignment after the levee was removed. Goals of Phases 2-4 are focused on the improvement of instream habitat, splitting flow, and improving off-channel habitat through placement of wood structures.</p> <p>In the Phase 1 project area, we've seen the river migrating into the old levee footprint, water flowing over the old levee footprint and into a relict meander, natural recruitment of riparian vegetation, and formation of scour pools around introduced channel roughness (such as small trees and the built structures). The Phase 1 project area would benefit from more work, as was suggested above. The original design contained improvements to a side channel and additional LWD structures. These were removed due to the cost exceeding available funds.</p> <p>The Phase 2 project area was practically devoid of any LWD, and the goal became to simply increase the number of pieces of wood in that reach. The side-channel use of BDAs in this project was poorly implemented by the contractor, and probably a poor design choice by us. The intent was to maintain a recently formed side channel, and improve its complexity. This reach would probably benefit from additional wood, but may also benefit from a little more time to continue to respond to the project completed there in 2021.</p> <p>Phases 3 and 4 have more to offer than the previous phases in better instream and riparian conditions. Pool quality and quantity improve in these phases, and canopy closure occurs more frequently. The intention with these phases is to maintain what is already good, make use of existing anchor points (large trees, point bars), and improve instream complexity.</p>
<p>General Comments (response not required)</p>	
	<p>We may consider conditioning this project for preliminary design review prior to moving on to final permit ready designs. Alternatively we may ask for final designs to wait for the implementation of Phase 3 to be completed.</p>
	<p>Reply: Conditioning this project based on implementation of phase 3 would push the timeline past 2 years.</p>