

Project #15-1191, Hood Canal Bridge Impact Assessment

Current Status: Application Submitted

Project Details

Primary Sponsor: Long Live the Kings

Primary Contact: Michael Schmidt
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Funding Program: Salmon State Projects

Lead Entity: Hood Canal Coordinating Council Lead Entity

Project Type: Planning

Project Description

Recent studies indicate slower migration times and higher mortality of outmigrating steelhead smolts at the Hood Canal Bridge relative to other areas of Puget Sound. Initial results suggest predation of steelhead is exacerbated by the bridge. However, as a fish passage barrier, we must determine where along the bridge mortality is greatest and functionally how the bridge leads to increased predation (e.g., pontoons and changes to circulation influencing migration behavior, bridge components predator roosts/hideouts, light and noise affecting fish and/or predator behavior). The proposed assessment will isolate the mortality mechanisms and use this information to develop the proper management actions to address the mortality. Although project activities are focused on juvenile steelhead at the bridge, overwater infrastructures are known to exacerbate predation of all salmon, and project outcomes will benefit salmon and steelhead populations throughout the Hood Canal watershed.

Project Overall Metrics (Outcomes, Benefits)

Category / Work Type / Metric	Application Answer
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Completion Date

Projected date of completion	5/31/2017
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Sponsor Match: Monetary Funding

Amount of other monetary funding (A.12)	\$0.00
Project identifier for the other monetary funding (A.12.b)	NA
Source of other monetary funding (A.12.a)	NA

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)	\$40,000.00
Source of Donated Paid Contributions (A.13.b.2)	NOAA Fisheries

Sponsor Match: Other In-kind Contributions

Value of Other In-Kind Contributions (A.13.c.1)	\$44,800.00
Source of Other In-Kind Contributions (A.13.c.3)	NOAA Fisheries
Description of other In-Kind contributions (A.13.c.2)	Donated equipment

Project Funding

Funding Request		Funding %	Min Match Required	Sponsor Match Source	
Salmon State Projects (FY2016)	\$385,994	81.99 %		Donated Equipment	\$44,800
Sponsor Match	\$84,800	18.01 %	15%	Donated Labor	\$40,000
Total Project Funding	\$470,794	100.00 %			

Project Cost Summary		Project %	Admin/A&E %	Maximum for Selected Program
PLANNING COSTS				
Planning	\$470,794			
A&E	\$0		0.00 %	\$141,238 (30%)
Subtotal	\$470,794	100.00 %		
Total Cost Estimate	\$470,794	100.00 %		

Worksites and Properties

General Area: Hood Canal Bridge

County: Jefferson

Legislative Districts 2012: 24

Congressional Districts 2012: 06

Salmon Recovery Regions: Hood Canal/Puget Sound

DNR Watershed Units (WAU): Ludlow

4th Field Catalog Units (HUC): Hood Canal

WRIA: Quilcene-Snow

Coordinates: 47.86132841
-122.62719537

Worksite #1: Hood Canal Bridge and proximate marine waters

Coordinates from Mapped Point: Latitude: 47.86132841 Longitude: -122.62719537
Coordinates from Worksite Latitude: Longitude:
Directions:

Worksite Description: The project will be conducted at the Hood Canal Bridge and surrounding marine waters. Project activities will be mooring acoustic receivers for juvenile steelhead tracking and predator observations for abundance estimates. Project work will be conducted primarily within a 1 km radius of the bridge but may extend up to 20 km in each direction to understand relative abundance and distribution of predators at the bridge versus farther away. Juvenile steelhead will be tagged in native streams.

Site Access Directions: Drive on WA-104 until you reach the Hood Canal Bridge.

Worksite Address:

Planning Metrics (Outcomes, Benefits)

Category / Work Type / Metric	Application Answer	Work Type Costs
Targeted salmonid ESU/DPS (A.23)	Chinook Salmon-Puget Sound ESU, Chum Salmon-Hood Canal Summer-run ESU, Coho Salmon-Puget Sound/Strait of Georgia ESU, Pink Salmon-Odd year ESU, Steelhead-Puget Sound DPS	
Targeted species (non-ESU species)	None	
Area Encompassed (acres) (B.0.b.1)	250.0	
Miles of Stream Affected (B.0.b.2)	0.00	
Salmonid Habitat Assessment / Inventory		
Habitat surveys (B.2.d)		
Total cost for Habitat surveys		\$470,794.00
Acres of habitat assessed (B.2.d.2)	250.0	
Amount Of Habitat Assessed That Needed Restoration (B.2.d.3)	0.0	
Type of Habitat Assessment (B.2.d.1)	Estuarine/nearshore habitat conditions, Ocean conditions, Overall watershed condition assessment or mapping	

Planning Questions

- 1 of 4** 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.
No, N/A
- 2 of 4** Will the project include any ground disturbing activities? (Please remember that this includes geotechnical survey sampling and the like.)
No
- 3 of 4** 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 site (Hood Canal Bridge) is currently used for transportation.
- 4 of 4** 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

Overall Project Questions

- 1 of 10** Do you need state SRFB dollars (not Federal) to match the requirements of any other federal funding you will be using to complete this project. If Yes, please state the amount of state dollars needed out of your total request.
No
- 2 of 10** Describe any ground disturbing work that will be necessary as part of the design process, such as geotech work. Include anticipated number of test sites, depth of disturbance, location, etc.
None
- 3 of 10** 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)
Yes
- 4 of 10** Do your organizational documents (charter, bylaws, or articles of incorporation) include the authority for the protection or enhancement of natural resources or related activities?
Yes

- 5 of 10** Do your organizational documents (charter, bylaws, or articles of incorporation) provide for an equivalent successor organization in case the nonprofit dissolves?
Yes
- 6 of 10** For grants listed in the Sponsor Match Category section on the Funding Request tab, list the grant source(s), when the funds were (or will be) secured, and how long the grant funds will be available to this project.
All match is in-kind staff time and equipment. Match is already secured.
- 7 of 10** Describe the type and timing of donated labor (skilled and unskilled), donated equipment, and donated materials that will be used for this project, identified in the Sponsor Match Category section on the Funding Request tab.
Donated labor equals 11 pay periods of one ZPIII NOAA Fisheries Biologist, to carry out the acoustic telemetry portion of the proposed project. Donated equipment equals 28 VR2 acoustic receivers owned by NOAA Fisheries that will be deployed to complete proposed project. Match is secured and will be used over the proposed project period.
- 8 of 10** Is your organization registered as a non-profit with the Washington Secretary of State? If so, what is your Unified Business Identifier (UBI) number?
602 242 799
- 9 of 10** What date was your organization created?
1986
- 10 of 10** How long has your organization been involved in salmon and habitat conservation?
29 years

Project Permits

Permit Type	Applied Date	Received Date	Expiration Date	Permit Number
Endangered Species Act Compliance [ESA]				
Hydraulics Project Approval [HPA]				
Other Required Permits				
Other Required Permits				
Other Required Permits				

Project Attachments

Required Attachments	5 out of 5 done
Cost Estimate	<input checked="" type="checkbox"/>
Map: Area of Potential Effect (APE)	<input checked="" type="checkbox"/>
Map: Planning Area	<input checked="" type="checkbox"/>
Photo	<input checked="" type="checkbox"/>
Salmon Project Proposal	<input checked="" type="checkbox"/>

Photos

Attachment Type	Title	Attach Date
Application Document	References 15-1191.docx	04/22/2015
Application Review Report	Application Review Report, 15-1191P(rtnd 08/28/15 11:39:11).pdf	08/28/2015
Application Review Report	Application Review Report, 15-1191P(compl 08/25/15 16:22:25).pdf	08/25/2015
Cost Estimate	BUDGET - Hood Canal Bridge Impacts Assessment - 28August2015.xlsx	08/28/2015
Cost Estimate	BUDGET - Hood Canal Bridge Impacts Assessment - 25June2015.xlsx	06/25/2015
Map: Planning Area	Fig 2 Locations of receivers and stationary transmitters at .jpg	04/22/2015
Photo	Fig 3 Predator survey transect lines and observer stations.jpg	04/22/2015
Project Application Report	Application Report, 15-1191P (submitted 04/22/15 23:37:58).pdf	04/22/2015
Salmon Project Proposal	PROPOSAL - Hood Canal Bridge Impacts Assessment-28August2015.docx	08/28/2015
Salmon Project Proposal	PROPOSAL - Hood Canal Bridge Impacts Assessment-23June2015.docx	06/24/2015

Application Status

Application Due Date: 08/14/2015

Status	Status Date	Name	Notes
Application Submitted	08/28/2015	Michael Schmidt	Copy and paste from the previous email I just sent: Mike, I'm writing to request an increase in funding provided for the proposed Hood Canal Bridge Impact Assessment, project 15-1191. The scope as articulated in the initial proposal remains the same. The difference is that funding for the circulation, light and noise work is now being requested instead of sought elsewhere. The write-up for this piece is already in the proposal; however, I've modified it to remove reference to other funds. I've also attached the budget with two budget increase options: • Option 1 (Preferred) +\$301,772 Adds circulation survey, noise and light data collection, and analysis and modeling,. • Option 2 +\$188,079 Adds circulation survey and a

portion of the analysis. An additional \$113,693 would need to be raised elsewhere. Please note that this SRFB request will be covering the core elements of the Bridge Assessment. We continue to work to find the additional funds needed to add other components of this assessment, including expanding it to two years. Any increase provided by the SRFB will subsequently increase our chances of obtaining match funds for components outside the scope of this request. Thank you for considering this request. I will post the revised budget and scope to PRISM. Please let me know if you require additional information or further action. Regards, Michael Schmidt

Application Returned	08/28/2015	Mike Ramsey
Application Complete	08/25/2015	Mike Ramsey
Application Submitted	04/22/2015	Michael Schmidt
Preapplication	04/01/2015	

At the sponsor's request, and with LE support, the sponsor would like to adjust the project budget and resubmit the application.
App complete
Mike, Please let me know if you have any questions, comments, etc. Hope all is well. Michael

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. (Michael Schmidt, 08/28/2015)

Date of last change: 08/28/2015