

Final Report

Project #08-1962, North Road Culvert

Submitted by Brian Abbott on 11/17/2011

Accepted by Marc Duboiski on 11/18/2011

CONTACTS

Primary Sponsor: Chelan Co Natural Resource

Project Contact: Alan Schmidt
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Lead Entity: Chelan County LE

Billing Contact: Kathy Bangs
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Managing Agency: Rec. and Conserv. Office

RCO Grant Manager: Marc Duboiski
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DESCRIPTION OF THE COMPLETED PROJECT

Project Start Date: 05/31/2008

FundingEnd Date: 05/31/2012

RCO Closure Date:

The North Road culvert project replaced an existing 10 foot diameter partial fish passage barrier culvert with a bridge and natural stream channel to provide year-round passage to all fish species at all life stages. The project increases the spatial structure, abundance and productivity of listed Upper Columbia spring Chinook salmon and steelhead in the Wenatchee subbasin. The bridge facilitates the natural function of sediment and wood transport through the system. The project re-established migration corridor benefit Chinook, steelhead, resident redband rainbow trout, and re-introduced coho.

The SRFB funds are match to a larger project. The Chelan County Public Works Department replaced the North Road Culvert over Chumstick Creek, along with a portion of the North Road, from Chumstick Highway to Fox Road (MP 0.05 to MP 0.56). Only the goals, objectives and budget for the North Road Culvert were included in this proposal. The goals, objectives and costs for the rest of the road project are not included.

SITE LOCATION

General Area of Project: Near Leavenworth.

Waterbodies:

Cong District: 04
County: Chelan
HUC: Wenatchee
Leg District: 12
Salmon Recov Reg 05: Upper Columbia
Section: 06
Township/Range: T24NR18E
WAU: Derby
WRIA: Wenatchee



Sponsor Clarifications:

Sponsor verified the above information is correct and complete.

PROJECT NARRATIVE

Lots of lessons learned. Great project.

OVERALL PROJECT COSTS

Funding Formula:	Requested		Original		Final	
Salmon Federal Projects:	\$0.00	(0%)	\$100,000.00	(5%)	\$100,000.00	(5%)
Salmon State Projects:	\$100,000.00	(5%)	\$0.00	(0%)	\$0.00	(0%)
Sponsor Match:	\$1,718,779.00	(95%)	\$1,718,779.00	(95%)	\$1,718,779.00	(95%)
Total:	\$1,818,779.00	(100%)	\$1,818,779.00	(100%)	\$1,818,779.00	(100%)
Paid To Date:	\$100,000.00				Last Released Billing: 03/26/2010	
Remaining RCO Funds:	\$0.00				Pending Billing: No	
Advance Balance:	\$0.00		Match Bank:	\$0.00	Number of Billings: 2	
Admin Limit:	\$0.00		Admin Spent:	\$0.00		
A&E Limit:	\$419,718.23	30.00%	A&E Spent:	\$0.00		

Billed Cost Summary:	Original Agreement	Expended	Non-Reimbursable	Total Billed
Restoration				
Construction	\$1,399,060.77	\$2,121,770.27		\$2,121,770.27
A&E	\$419,718.23			
Restoration Total	\$1,818,779.00	\$2,121,770.27		\$2,121,770.27
Total	\$1,818,779.00	\$2,121,770.27		\$2,121,770.27

Project Cost Metrics:	Original Agreement	Final
PCSRF Federal Funds:		\$100,000.00
State Funds:		
Pending Billing - RCO Share Approved:		
Amount of other monetary funding:		\$2,021,770.00
Value of Donated Unpaid Labor (Volunteers):		\$0.00
Value of Donated Paid Labor:		\$0.00
Value of Other In-Kind Contributions:		\$0.00
Project identifier for the other monetary funding:		Federal Highway funds
Source of In-Kind contributions:		NA
Source of other monetary funding:		Federal Highway funds
Number of hours volunteers contributed to the project:		0
Describe how the value of the volunteers was determined:		NA
Description of other In-Kind contributions:		NA

PROJECT METRICS

	Original Agreement	Final
Completion Date		
Projected date of completion:		01/31/2010
Jobs Created		
Number of jobs created by this project:		0.5
Project Goals		
Goals, purpose, and expected benefits:		Reconnect seven miles of salmon habitat.

WORKSITE #1: North Road Culvert

Worksite Description: The Chelan County Public Works Department is replacing the North Road Culvert at Chumstick Creek along with a portion of the North Road, from Chumstick Highway to Fox Road (MP 0.05 to MP 0.56). A map with an aerial view of the construction access and staging is provided in the attachments, as well as a map that shows the Area of Potential Effect (APE).

Driving Directions: From Wenatchee, drive west on Interstate 2 to Leavenworth. Turn right (north) on Chumstick Highway approximately 1 mile. Turn right on North Road. The North Road Culvert is located approximately 1/8th mile from Chumstick Highway.

Coordinates for Worksite Directions - Latitude: 0.00 **Longitude:** 0.00

Sponsor Clarifications:

Sponsor verified the above information is correct and complete.

WORKSITE #1 COSTS

Worksite Billed Cost:	Estimated	Expended	Non-Reimbursable	Total Billed
A&E	\$350,497.00			
Construction	\$1,468,282.00	\$2,121,770.27		\$2,121,770.27
Worksite Total	\$1,818,779.00	\$2,121,770.27		\$2,121,770.27

Worksite Costs by Category:

Original Agreement

Final

Fish Passage Funding:	\$1,921,770.00
Instream Habitat Funding:	\$135,000.00
Wetland Funding:	\$15,000.00
General Restoration Activity Funding:	\$25,000.00
Permits Funding:	\$25,000.00
Architectural & Engineering Funding:	\$0.00

WORKSITE #1 METRICS

Original Agreement

Final

Targeted salmonid ESU/DPS:	Chinook Salmon-Upper Columbia River Spring-run ESU, Chinook Salmon-Upper Columbia River summer/fall-run ESU
Targeted species (non-ESU species):	Bull Trout
Miles Of Stream Treated/Protected:	0.10
Project Identified In a Plan or Watershed Assessment:	Upper Columbia Salmon Recovery Plan
Type Of Monitoring:	None
Monitoring Location:	No monitoring completed

Fish Passage Improvement

Miles Of Stream Made Accessible:	7.00
Square Miles Of Habitat Opened:	105

Fish passage blockages removed or altered

Number of Blockages/Impediments/Barriers Removed/Altered:	1
Average stream width, in feet, upstream of barrier.:	15
Type Of Barrier:	Culvert
Change in water flow (fish passage project)(cu feet):	0

Instream Habitat Project

Total Miles Of Instream Habitat Treated:	0.10
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Streambank stabilization

Material Used For Streambank Stabilization:	Logs
Miles of Streambank Stabilized:	0.06

Wetland Project

Total Acres Of Wetland Area Treated:	0.0
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Artificial wetland created

Artificial Wetland Acres Created : 0.0

Wetland plant removal / control

Species (Scientific) Name(s) Of Wetland Plants Removed: NA

Acres of wetland treated for plant removal/control: 0.0

General restoration activities**Other restoration activities**

Describe the other restoration activities.: Hydroseeding of disturbed areas.

Permits**Obtain permits**

Number of permits required for implementation of project: 5

Architectural & Engineering**Architectural & Engineering (A&E)**

Did A&E costs exceed billed amount (Yes/No): No

PROPERTY DESCRIPTION (Chelan County Public Works)

Activity: Restoration

Control & Tenure:

Instrument Type: Sponsor owned property

Timing: Existing

Term Length: Perpetuity **# yrs:**

Expiration Date:

Landowner Type: Local

Note: Chelan County Public Works is the landowner and has an easement for the North Road Culvert construction, access and staging areas.

Sponsor Clarifications:

Sponsor verified the above information is correct and complete.

Sponsor Clarifications:**SPONSOR CERTIFICATION**

☒ I certify that this project has been completed in accordance with the project agreement.

☒ I certify that, to the best of my knowledge, the information in the Final Report is true and correct.

Submitted by Brian Abbott on 11/17/2011