

## Project #13-1342, Icicle Boulder Field Passage Design

Submitted by Aaron Penvose on 12/30/2014 CONTACTS Primary Sponsor: Trout Unlimited-WA Water Proj Project Contact: Aaron Penvose apenvose@tu.org Lead Entity: Upper Columbia Sal Rec BD LE Billing Contact: Lisa Pelly lpelly@tu.org Managing Agency: Rec. and Conserv. Office RCO Grant Manager: Marc Duboiski marc.duboiski@rco.wa.gov COSTS TO DATE Project Start Date: 12/04/2013 FundingEnd Date: 06/04/2015

Funding Formula:	Requested		Original		Current
Salmon Federal Projects:	\$0.00	(0%)	\$179,000.00	(100%)	\$179,000.00 (100%)
Salmon State Projects:	\$179,000.00	(100%)	\$0.00	(0%)	\$0.00 (0%)
Total:	\$179,000.00	(100%)	\$179,000.00	(100%)	\$179,000.00 (100%)
Paid To Date:	\$36,189.68				Last Released Billing: 12/10/2014
Remaining RCO Funds:	\$142,810.32			Pending Billing: No	
Advance Balance:	\$0.00		Match Bank:	\$0.00	Number of Billings: 4
Admin Limit:	\$0.00		Admin Spent:	\$0.00	
A&E Limit:	\$0.00		A&E Spent:	\$0.00	

## **PROGRESS REPORT QUESTIONS**

#	Question	Answer	Answer Description
1 of 4	Are there any significant challenges that might hinder progress or keep you from meeting your project milestones? If so, please tell us about them.	No	TU and Waterfall engineering spent the summer refining the survey and collecting data in the Boulder Field area.
2 of 4	Describe the work accomplished during this reporting period.		Most of our efforts were spent on extensive survey and design develpment. TU-WWP worked with Waterfall Engineering on overall site review, survey mapping and layout, and property line assessments. TU-WWP met with the City in the field to review water intake. TU-WWP continued to work with Waterfall Engineering in developing a scope of work and site plans for geotechnical exploration, complete with a site review for developing design concepts. An initial base model was started for updating the HEC RAS model, considering current survey work showing the old model was based on different datum and did not extend downstream. The new model will be used to look at a range of water levels and shear stress at various flood levels to predict design channel stability. Additionally, TU-WWP utilized Cascadia Conservation District for a cultural resources survey
3 of 4	Do you anticipate any changes to your project? Please describe those changes here.	No	
4 of 4	Tell us about work planned for the next reporting period.		Continued design development and review of 30% designs by technical work group with preperation of

Accepted by Marc Duboiski on 12/30/2014

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90% designs.

## MILESTONES

					New	
Milestone	Target Date	Description	Completed	Delayed	Target Date	Progress/Reason for Delay
Project Start	12/04/2013		Х			
RFP Complete/Consultant Hired	03/01/2014		Х			
Data Gathering Started	04/15/2014		Х			
Progress Report Submitted	06/30/2014		Х			
Annual Project Billing	07/31/2014		Х			
Preliminary Design to RCO	12/30/2014	30% Design		Х	02/16/2015	Need for peer review by techincal team
Cultural Resources Complete	12/31/2014		Х		05/31/2015	Consultation is complete but requires onsite observation during geotech digging.
Progress Report Submitted	12/31/2014		Х			
Final Design to RCO	05/15/2015	80% Design				
Special Conditions Met	06/04/2015					
Agreement End Date	06/04/2015					
Annual Project Billing	07/31/2015					
Final Report in PRISM	09/04/2015					
Final Billing to RCO	09/04/2015					