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**Project Information** - Give a descriptive name that consists of the name of the creek, landowner's name, and 3-5 word description of the kind of project.

Title: Little Creek/Bryan St. Fish Passage  
Prime Sponsor: GRMW  
Support Sponsor(s): Union County, City of Union

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**Technical Contact** - List the main contact for the project.

Name: Lyle Kuchenbecker  
Organization: GRMW  
Phone: 541-663-0570 Email: lyle@grmw.org

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**Landowner(s) and Agencies** - List all landowners and agencies involved.

Name: Paul Phillips, Union Public Works  
Phone: 541-910-7300 Email:  
Address: City Hall, 342 S Main, Union OR,

Name: Rich Comstock, Union County Public Works  
Phone: 541-963-1016 Email: comstock@union-county.org  
Address: 10513 N McAlister, Island City, OR

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**Landowner Participation** - Has the landowner been contacted? Are they supportive of the project? Are they contributing to the project?

The City of Union owns the bridge. They have been contacted and are very supportive of the project. Financial participation is not been determined. It is probable that the city will contribute in-kind services in support of the construction. Union County PWD is involved and will construct the replacement structure.

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**Site Location**

Stream Name: Little Creek  
River Mile:  
Tributary To: Catherine Creek  
GPS Coord LAT (optional):  
GPS Coord LONG (optional):

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## Limiting Factors and Existing Conditions

The Bryan St crossing of Little Creek is 3 individual 5 foot culverts that frequently plug with debris during high water events and result in flood waters (and juvenile fish) going out-of-channel. Additionally the 3 culverts run at nearly full capacity during high water resulting in very high velocity which can restrict juvenile and possibly adult passage.

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## Species Affected

Snake River summer steelhead, resident rainbow.

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**Project Objectives** - State which habitat parameters (watershed and fisheries) are being addressed and how this project will affect those parameters. Be as specific as possible, quantify where appropriate.

- Improve fish passage - replacement facility will provide season-long juvenile and adult passage
- Minimize juvenile fish mortality - facility will reduce potential for debris plugging the structure and out-of-channel juvenile fish stranding
- Reduce flooding and damage to infrastructure and private ownerships

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## Proposed Actions

- Conduct site survey, prepare preliminary design report, develop final designs
- Conduct environmental compliance activities (ESA, Cultural Resources, permitting)
- Construct replacement facility (structure to be determined by design report in consultation with NOAA fish passage engineer)

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**Identify Major Issues** - Briefly describe any issues to implementation and approach to issue resolution.

Do not anticipate major issues. Will follow the normal coordination process with NOAA and USFWS to obtain fish passage approval.

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## Roles and Responsibilities

- GRMW to coordinate engineering and environmental compliance activities
- GRMW coordinate implementation logistics between owner (City of Union) and Union PWD (construction)
- City of Union - provide in-kind services related to utilities locates and relocation
- Union County PWD - proposed to do construction

## Permits and Consultation

Permit Name	Applicable	Complete	If not, when do you expect to complete?
ESA Section 7 - USFWS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Programmatic ESA consultation under USFW Partners Program 4/2011
ESA Section 7 - NMFS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	To use Programmatic ESA consultation under USFW Partners Program 4/2011
COE/DSL Permit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5/2011
Cultural Resources Sec. 106	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5/2011

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## Metrics

Miles/Acres/Feet to be Restored: 5 miles partial passage

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## Project Schedule

Start: 10/1/2010 Planning

Design: Complete by 1/31/2011

Permitting/Consultation: Complete by 5/2011

Construction: 7/1/2011 - 8/15/2011

Monitoring: 2011 completion, 2012 & 2013

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## Relation to Subbasin Plan

☒ Grande Ronde Subbasin Plan

☐ Imnaha Subbasin Plan

The GR Subbasin Plan does not specifically list this site but prescribes correction of passage problems wherever they are identified.

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**Proposed Project Relation to other Projects** - Is the project part of a multi-phase effort, is this work tying to previous work in the watershed/stream

Yes, the Union SWCD and Bureau of Reclamation are working on irrigation diversion structures below this site.

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## Benefits

- Unimpeded season-long juvenile and adult passage
- Reduced juvenile salmonid mortality

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## Monitoring Plan

- Implementation monitoring at completion of project, report and photos

- For 2 years monitor at high and low flows for fish passage, debris flow and structural integrity

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**Preliminary Cost Estimate**

Total: \$130,000

Requested GRMW Funding:

Requested BiOp Funding: \$100,000