

A 213-5016 N

APR 16 2012

Type in the information for Sections I and II.

Name of project: UGR Whiskey Cr. road relocation and riparian restorationReceived By
OWEB**OWEB funds requested:** \$99,647.00**Total cost of project:** \$124,895.00

APR 16 2012

PROJECT LOCATION:This project occurs in one region only. Region 1 Region 2 Region 3 Region 4 Region 5 Region 6 This project occurs in multiple regions. Check all that apply. Region 1 Region 2 Region 3 Region 4 Region 5 Region 6 This project occurs statewide / in all regions. **This project occurs at (check one):** Site unknown at this time A single site Multiple sites

Watershed Name(s)	County or Counties
Whiskey Creek A Tributary To Grande Ronde River	Union

Township, Range, Section(s) (e.g., T1N, R5E, S12)	Longitude, Latitude (e.g., -123.789, 45.613) (required for federal/state reporting)	Watershed code(s) – Please note the 10-digit hydrologic unit code, previously 5 th Field HUC
T3S,R37E,Sec 18, 19, 20	Lat 45° 16' 50" Long 118° 13' 19"	Beaver Creek 1706010403

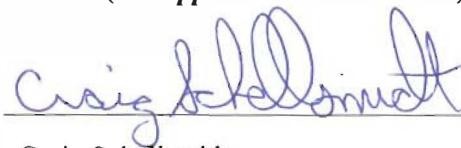
Applicant		Project Manager	
Name: Craig Schellsmidt		Name: Rick Wagner	
Organization: Union SWCD		Organization: Oregon Department of Forestry	
Address: 10507 North McAlister Road		Address: 611 20 th st.	
La Grande , OR 97850		La Grande, OR 97850	
Phone: 541-963-1313		Phone: 541-963-3168	
Fax:		Fax: 541-962-1058	
Email: unionswcd@hotmail.com		Email: rwagner@odf.state.or.us	

Fiscal Agent		Landowner(s)	
Name: Craig Schellsmidt		<input type="checkbox"/> Public: Agency:	
Organization: Union SWCD		<input checked="" type="checkbox"/> Private: Name(s):	
Address: 10507 North McAlister		COURTNEY RANCHES, L.L.C.	
Phone: 541-963-1313			
Fax:			
Email: unionswcd@hotmail.com			

CERTIFICATION:

I certify that this application is a true and accurate representation of the proposed work for watershed restoration and that I am authorized to sign as the Applicant or Co-Applicant. By the following signature, the Applicant certifies that they are aware of the requirements (*see Application Instructions*) of an OWEB grant and are prepared to implement the project if awarded.

Applicant Signature:



Date:

4-12-2012

Print Name:

Craig Schellsmidt

Title:

District Manager

Co-Applicant Signature:



Date:



Print Name:



Agency:



Section II

PROJECT INFORMATION

- 1. Abstract.** In approximately 200 words, 1) identify the project location, 2) state the watershed issue or problem to be addressed, 3) the proposed solution including the area or other measurable units to be treated, 4) any proposed effectiveness monitoring, and 5) how OWEB funds will be used.
 1. Project is located in Union county, 7 miles SW of LaGrande along Whiskey creek, a tributary to the Grande Ronde river on property owned by COURTNEY RANCHES, L.L.C.. A previous phase of this project was completed in 2010 funded with an ARRA (American Recovery and Reinvestment Act) stimulus grant.
 2. Current road location parallel to the creek and riparian area causing excessive sedimentation, habitat degradation, stream channel and bank erosion and spawning and rearing habitat degradation for ESA-listed summer Chinook and steelhead.
 3. This project complements and continues the previous project and efforts by;
 - a. 6840 feet of draw bottom/stream side road obliteration and site restoration/rehabilitation
 - b. Elimination of 5 open water road crossings on Whiskey Creek.
 - c. Relocation of draw bottom/stream side road to existing midslope road with 5000' of reconstruction, drainage and compacted pit run rock 1' deep x 16' wide.
 - d. Install 5 x 18" x 20' culverts for drainage in reconstructed road
 - e. Install 1 x 35' x 14' wide bridge across Whiskey Creek.
 4. No effectiveness monitoring is planned.
5. OWEB funds are requested for project management, contracted services, supplies and materials and fiscal administration.

- 2. Has this project or any element of this project, ever been submitted in a previous application(s) to OWEB?**

Yes No

If yes, what was the application number(s)?

- 3. Is this project, or any element of this project, a continuation of a previously funded OWEB restoration project(s)?**

Yes No

If yes, what was the grant number(s)?

- 4. Is this project a result of a previously funded OWEB Technical Assistance project(s)?**

Yes No

If yes, what was the grant number(s)?

- 5. Does this application propose a grant for a property in which OWEB previously invested funds for purchase of fee title or a conservation easement; or is OWEB currently considering an acquisition grant for this property?**

Yes No

If yes, what is the grant number(s)?

- 6. Is this project related to a proposed or funded Oregon State Weed Board grant application(s)?**

Yes No

If yes, list the month and year, or grant application(s) number, and briefly describe how this project is related to the Weed Board application or grant.

- 7. Project Partners.** Show all anticipated funding sources, and indicate the dollar value for cash or in-kind contributions. Be sure to provide a dollar value for each funding source. If the funding source is providing in-kind contributions, briefly describe the nature of the contribution in the Funding Source Column. Check the appropriate box to denote if the funding status is secured or pending. In the Amount/Value Column, provide a total dollar amount or value for each funding source.

Total Estimated Funds (add all amounts in the far-right Column):

* The total should equal the total cost of the project on page 1 of the application.

8. Have any conditions been placed on other funds that may affect completion? Yes No

If yes, explain:

9. Are you requesting OWEB funds for Effectiveness Monitoring? Yes No

If you check “Yes”, follow the instructions in Question R17

- 10. Are you requesting OWEB funds for Plant Establishment?** Yes No

If you check "Yes", follow the instructions in Question R18

Section III

SPECIFIC RESTORATION PROJECT ACTIVITY

These essay questions and their answers are designed to guide you and reviewers through a logical process of understanding and identifying the problem to “fixing” the problem and measuring for success. Refer to the Application Instructions for clarification and helpful examples.

You may use the application form to respond to the questions, using additional sheets of paper as necessary OR answer the questions on separate pages. Be sure to include the question numbers and text of the questions before you begin typing your answers to assist the reviewers in evaluating your application.

Use 8½" x 11" paper. A double-sided application and materials are optional except for oversize maps and designs or multiple sets for reviewers. All materials should be **single-spaced** wherever possible, **unstapled** and **unbound**, except for sets of maps/photos/designs (see Page 1 of the application instructions for assembling multiples for reviewers). Use a 12-pt type size to answer the questions and a 10-pt type size for the tables. Use bullets where appropriate. Use **bold face** and *italics* for emphasis only. Do not use color highlights for text emphasis or in tables as the highlight turns black when the application is scanned. If the project involves multiple sites, be specific for each.

R1. Contextual Overview

Provide the location and significance of the project including why that location was chosen and a brief explanation of the history of the issues leading to the project. Describe the project in the context of the landscape including the key water quality, water quantity, species, habitat, land use and resource management issues (physical or social) that are proposed to be addressed in that watershed. See the Application Instructions for clarification.

The project is located on a private ranch seven miles southwest of La Grande, Oregon in Union County on Whiskey Creek, a tributary to the upper Grande Ronde River. Both waterways are Federally Endangered Species Act (ESA) listed salmon and steelhead streams. A previous adjacent phase of this project was completed in 2010 using an ARRA (American Recovery and Reinvestment Act) stimulus grant. OWEB funds are requested to complete the current, second phase of this project. This project potentially improves water quality and fish habitat in the Whiskey Creek drainage by relocating a draw-bottom road to a mid-slope location, reducing erosion, and improving drainage.

The current road configuration negatively impacts watershed health by increasing soil erosion and heavy sediment transport, thereby degrading water quality, Salmonid habitat, and riparian conditions along Whiskey Creek. The previous project phase I obliterated and removed 2,100 feet of road paralleling Whiskey Creek. Two of the seven existing open water crossing were removed and replaced with a new bridge located at river mile 3.2.

This project phase II continues additional road relocation and new construction and removes the remaining five open water crossings. Construction of 3,100 feet of new road will be located up slope and out of the river channel and riparian areas. Re-construction of 5,000 feet of mid-slope road will be connected to the new road. Five 18-inch culverts will be installed within this project’s new or reconstructed road system for drainage. A new 35-foot bridge will be installed downstream on Whiskey Creek at river mile 1.2.

This proposed project will reduce bank instability, bank erosion, heavy sediment transport, habitat degradation, and improve spawning and rearing fish habitat. Project completion will provide 2.1 miles of improved water quality conditions and additional habitat in Whiskey Creek for salmon and steelhead.

R2. Problems to be Addressed

Provide information specific to the project: a) The specific problem(s) you are addressing; and b) the *root cause(s)* of the problem(s). DO NOT describe the project here; you will do so in question #R3. You may add narrative in addition to the table.

Specific Problem(s)	Root Cause(s) of the Problem
Steelhead Spawning Degradation	Sedimentation

Sedimentation	Vehicle Disturbance
Habitat Degradation	Livestock Disturbance and Vehicle Disturbance
Stream Channel Erosion	Stream Bed Road and Open Water Vehicle Crossings

R3. Project Description

Using the table below, provide a description of the project that describes the restoration activities to occur (e.g., direct flow, remove 36" culvert, construct free spanning bridge, place 12 three log clusters between RM 44 and 52, etc.), including a description of the methodologies (e.g., juniper – burning or cutting; tree release – manual or herbicide, etc.) and the equipment planned for use. In addition, describe any Project Management functions/activities necessary to implement the project (e.g., acquire permits or landowner approval; solicit bids, award contracts, etc.). The degree of detail should match the project complexity and technical difficulty to allow for full evaluation of technical viability. For projects involving multiple sites, be sure to identify and describe them separately, as appropriate. **This is not the place to describe the benefits of the project, but rather the specific elements of the proposed project.** You may add narrative in addition to the table.

Project Element	Proposed Action
Restoration Activity	
Install a free-standing bridge	Install a 35-foot steel I-beam bridge with guardrail decking placed on an eco-block foundation. Designed to withstand a 100- year event.
Road Construction	Construct 3,100 feet of new road up slope from the draw bottom. Grade to be < 6%, connecting to existing mid-slope road. Eliminate 300 feet of existing draw-bottom road next to creek channel and riparian area. Will have a native rock base and running surface.
Reconstruct 5,000 feet of road with a 6-inch lift of compacted rock	Reconstruct an existing road that will be at mid-slope with < 6% grade and will tie in with previous project completed in 2011. Reconstruction will include grade change out of the draw bottom, widened and reshaped roadbed with an inside borrow ditch constructed. Rock for the surfacing will be produced on site and placed.
Install culverts	Install five 18-inch culverts at various locations to divert water and control erosion, sedimentation, and improve water quality. Installation would be done with an excavator. Designed to withstand a 100- year event.
Project management activity	Rick Wagner of the Oregon Department of Forestry will be the project manager for this project. He will coordinate with the landowner and various agencies for permits coordinate engineering, and construction of project.
Road Obliteration and removal of open-water crossings	Obliterate 6,840feet of existing road up the bottom of the draw through the riparian area by using D8-K dozer to subsoil existing road prism and disrupting road prism with boulders and downed material with the use of an excavator. Five open-water crossings will be removed with the use of the excavator.

R4. Project Objectives

What are the proposed project objectives? Provide specific objectives based on the location, size and significance of the project and provide information on how the objectives could be evaluated. The measurements should be able to be reported to document successful implementation. **See the Application Instructions for the distinction between project objectives and achievement of goals.**

Project Element	Specific Objectives	
Mid-slope road with drainage and bridge crossing of Whiskey Creek	Improve stream channel riparian habitat, eliminate or greatly reduce sedimentation, eliminate or reduce degradation to spawning and rearing sites, eliminate five open- water crossings, eliminate or reduce stream bank erosion.	Objective reductions will be obtained by removal of vehicular travel to the stream channel and banks, causing less sedimentation, bank erosion, and habitat degradation.

R5. Project Design

- Provide a list of qualifications and experience you will require for the project designer. If a project design has been completed, identify the designer and what qualifications and experience they have.

The project design has been completed by Mark A Tsatsos and Rick Wagner. Mark Tsatsos is the owner of M & S Timber Management Services. Mark has 42 years of construction and logging experience and 34 years as an independent contractor with significant experience in road design, repair and construction for various entities. He has also designed and built 4 bridges.

Rick Wagner is employed with the Oregon Department of Forestry (ODF) as a stewardship forester. He has 37 years of experience in coordinating road design and layout with project managers from various entities and 20 years of experience working in all aspects of road construction and drainage, including bridge design and construction. If necessary, ODF will supply a certified road and bridge engineer from its own staff.

- b) Describe the design criteria used or proposed and how those criteria take into consideration natural events and conditions (e.g., culvert design to 100-year flood event, wood placement to readjust with higher than bank full flows, and cultivation to retain at least 75% stubble, 4-strand fence to allow for wildlife passage, etc.).

The proposed bridge has been designed to withstand 100 -year flood events, plus engineered for debris and catastrophic events. The new road is designed per ODF road engineering and forest practices acts and standards. Culverts are oversized by one diameter size to allow for 100-year events. Road reconstruction is to retrofit the existing road to establish road elevation and grade changes. This will provide for better drainage. Six inches of compacted base rock will be placed on this native surface road to allow for an all-weather road.

R6. Design Alternatives

Were alternative designs or solutions considered? (check one)

Yes

No

If yes, explain why the design or approach proposed was chosen. If no, explain why alternative approaches were not explored.

Previously, ODFW had a 10- year fence CREP agreement with COURTNEY RANCHES, L.L.C. That agreement has expired. The fence is still in place, but the road up the bottom of the draw and the five open-water crossings are still being use as access to the property. Because of this, without a road design change and bridge installation, there will be a direct impact on Whiskey Creek's habitat, due to continued vehicular and livestock compaction within and through the creek and its riparian area.

R7. Proposed Project Schedule

Use the table below to show the anticipated schedule for the project. Add or change the list of project elements to fit your project. See the Application Instructions for clarification and an example.

Project Elements	Start Date	End Date	Description
Permit Applications	10/1/12	5/1/13	Permits required for project
Materials Acquisition	4/1/13	6/1/13	Materials for bridge construction
Bid Solicitation	4/16/12	9/12/12	COURTNEY RANCHES, L.L.C., solicit contractor bids
Contracting			
Construction	10/1/12	11/1/13	Project completed
Project Inspection	3/15/12	11/1/13	SWCD site inspections
Post Project Implementation Review			
Project Maintenance	5/1/14	12/31/19	COURTNEY RANCHES, L.L.C.
Add rows as needed			

R8. Salmon/Steelhead Populations Targeted and Expected Benefits to Salmon/Steelhead

The information provided will be used by OWEB to better meet federal and state reporting requirements. Completion of this section is required but will not be used to evaluate this application for funding.

This project is NOT specifically designed to benefit salmon or steelhead.

► If you check this box, STOP here and GO TO Question R9.

Targeted Salmon/Steelhead Populations: Select one or more of the salmon ESUs (Evolutionary Significant Unit) or steelhead DPSs (Distinct Population Segment) that the project will address/benefit. For species where the ESU/DPS name is not known or determined, use the species name with unidentified ESU (e.g., Chinook salmon – unidentified ESU). Additional information on the designation and location of the salmon/steelhead populations can be found at <http://www.nwr.noaa.gov/ESA-Salmon-Listings/Salmon-Populations/Maps/Index.cfm>.

Chinook Salmon (<i>Oncorhynchus tshawytscha</i>)		Coho Salmon (<i>O. kisutch</i>)	
<input type="checkbox"/>	Deschutes River summer/fall-run ESU	<input type="checkbox"/>	Lower Columbia River ESU
<input type="checkbox"/>	Lower Columbia River ESU	<input type="checkbox"/>	Oregon Coast ESU
<input type="checkbox"/>	Mid-Columbia River spring-run ESU	<input type="checkbox"/>	Southern Oregon/Northern California ESU
<input type="checkbox"/>	Oregon Coast ESU	<input type="checkbox"/>	unidentified ESU
X	Snake River Fall-run ESU	Steelhead (<i>O. mykiss</i>)	
<input type="checkbox"/>	Snake River Spring/Summer-run ESU	<input type="checkbox"/>	Klamath Mountains Province DPS
<input type="checkbox"/>	Southern Oregon and Northern California Coastal ESU	<input type="checkbox"/>	Lower Columbia River DPS
<input type="checkbox"/>	Upper Klamath-Trinity Rivers ESU	<input type="checkbox"/>	Middle Columbia River DPS
<input type="checkbox"/>	Upper Willamette River ESU	<input type="checkbox"/>	Oregon Coast DPS
<input type="checkbox"/>	unidentified ESU	X	Snake River Basin DPS
Chum Salmon (<i>O. keta</i>)		<input type="checkbox"/>	Washington Coast DPS (SW Washington)
<input type="checkbox"/>	Columbia River ESU	<input type="checkbox"/>	Upper Willamette River DPS
<input type="checkbox"/>	Pacific Coast ESU	X	Steelhead/Trout unidentified DPS
<input type="checkbox"/>	unidentified ESU		

Expected Benefits: Write a brief description of the goals and purpose of the project and how it is expected to benefit salmon/steelhead or salmon/steelhead habitat. This answer should be no longer than 2000 characters, which is approximately 330 words. See Application Instructions for examples and ideas on how to calculate the number of words or characters in your answer.

Benefits to the habitat of salmon and steelhead would be increased significantly for the following reasons:

1. The reduction of sedimentation directly impacting Whiskey Creek can be achieved by the removal of five open-water creek crossings and vehicular travel through and parallel to the creek.
2. The reduction or elimination of spawning and rearing habitat degradation will be improved by the removal of the five open-water crossings and vehicular travel through and parallel to the creek.
3. The reduction of stream bank erosion and improved water quality will enhance salmon and steelhead habitat.
4. With removal of the draw bottom road, the COURTNEY RANCES, L.L.C., will seek a Grande Ronde Model Watershed Restoration Project to increase riparian area fencing, reduce livestock impact through establishing off-stream water developments for livestock, wildlife, and wild land fire suppression use.

R9. Project Relationship to Regional Priorities

If the project specifically implements a plan or larger conservation effort, identify the effort and the specific role of this project. Explain whether the project implements a regional plan (e.g., ESA Recovery Plan, Coastal Coho Assessment, NWPCC Sub-basin Plan, and Ground Water Management Area). Specifically identify the relationship between the proposed project and the OWEB Basin Priorities. Priorities can be found on the OWEB website at: www.oregon.gov/OWEB/restoration_priorities.shtml. (See the Application Instructions for helpful links to various regional plans.)

This project addresses many of the recommended restoration activities of the OWEB Basin Priorities, Upper Grande Ronde River SB1010 Agricultural Water Quality Management Area Plan, ODEQ Upper Grande Ronde TMDL's, NWPCC Grande Ronde Sub basin Plan, and the Northeast Oregon Snake River Anadromous Recovery Plan. The Grande Ronde Basin Limiting Factors list Soil Erosion/Sedimentation Conditions, Channel Conditions, Loss of Shade/Cover, Poor Habitat and Riparian Complexity, and Altered Thermal Regime as having a High Impact on Whiskey Creek and the Upper Grande Ronde River. Road relocation, bridge construction, removal of open water stream crossings, improves erosion sediment control provides much needed habitat and improved water

quality for ESA listed fish species. This Combination addresses these limiting fish factors. Consequently, this project assists the private landowner with achieving their plan to manage livestock while improving water resources for fish and wildlife habitat conservation purposes and public agency plans within the Grande Ronde River system.

R10. List each component or activity of the project that requires a permit(s) and/or license(s) from a local, state or federal agency or governing body.

Use the table provided to list the activities and permit(s)/license(s) including the entity issuing the permit(s)/license(s). Every project will vary in the number and types of permits and licenses needed. In Column 1 and in separate rows, list the project activities requiring a permit or license. In Column 2, provide the name of the permit or license. In Column 3, provide the name of the entity issuing the permit or license. See Application Instructions pages 9-11 for clarification and examples before completing the table.

Project Activity Requiring a Permit/License	Permit or License Name	Entity Issuing Permit or License
Forest road construction and reconstruction, forest bridge establishment, on-site rock acquisition and placement	Oregon Forest Practices Notification and Permit to Operate Power Driven Machinery	Oregon Department of Forestry

R11. Project Relationship to Watershed Processes and Functions

The restoration and protection of natural watershed process is the foundation of achieving watershed health. Since natural watershed processes have been eliminated, altered or reduced in many areas, habitat restoration activities are the primary method for reintroducing the necessary functions to watersheds that have been altered due to past management practices and/or disturbance events. Restoration activities are intended to address the watershed functions necessary to support natural processes that are indicative of healthy watersheds. This includes, but is not limited to improving water quality, water quantity, habitat complexity, flood plain interaction, vegetation structure, and species diversity.

OWEB wants to be able to track how restoration projects are addressing watershed process and function. Please check all the boxes below that apply to your restoration project. You may add narrative in addition to checking the boxes.

	Project Element	Narrative
<input checked="" type="checkbox"/>	Stream complexity	Stream bottom road disrupts natural stream complexity. Removal of vehicular travel will take this interference away.
<input checked="" type="checkbox"/>	Riparian vegetation structure	Road base within the riparian area is interrupting vegetation components by vehicular travel.
<input type="checkbox"/>	Species diversity	
<input checked="" type="checkbox"/>	Vegetative ground cover	Road base within the riparian area interrupts vegetative ground cover due to vehicular travel.
<input checked="" type="checkbox"/>	Floodplain connectivity	Stream bottom road disrupts natural water flow.
<input type="checkbox"/>	Species migration patterns	
<input checked="" type="checkbox"/>	Sediment transport	Current road conditions create excessive sedimentation because of vegetation disturbance due to vehicular travel through and beside Whiskey Creek.
<input type="checkbox"/>	Nutrient cycling	
<input checked="" type="checkbox"/>	Water quality	Five open-water crossings, stream bank erosion due to vehicular and livestock travel and disturbance adds to high levels of sedimentation.
	Water quantity	
<input type="checkbox"/>	Water storage	
<input type="checkbox"/>	Hydrologic cycle	
<input type="checkbox"/>	Other (please describe)	

R12. Other Related Conservation Actions

- a) Explain how the project complements other efforts under way or completed in the watershed. Identify other restoration, technical assistance, monitoring, assessment or outreach projects, conservation actions and ecological protection efforts in the watershed and explain how this project relates to those actions.

Phase I (ARRA) project was completed in 2010. A CREP easement agreement with ODFW produced fencing along Whiskey Creek, which is still maintained and used. Continuing forest health restoration projects include improving fish passage along Whiskey Creek. Culvert installation on Little Whiskey Creek was installed to create fish passage upstream. Previous upstream riparian projects by various agencies have been completed.

Phase II (OWEB project) would finalize approximately two miles of road removal and obliteration; eliminate five open- water crossings; improve riparian degradation; control stream bank erosion; and enhance water quality and reduce sedimentation issues along Whiskey Creek. This project would finalize an ongoing restoration program along this section of Whiskey Creek.

- b) If the project is a continuation of previously completed activities, describe the results of the previous project(s) and identify what you have learned from the implementation of similar project(s).

In 2010 the ARRA stimulus project was completed (Phase I). This entailed relocation and construction of new road, bridge construction, obliteration of road along Whiskey Creek, and elimination of two open-water creek crossings. This phase greatly reduced historical sedimentation levels into Whiskey Creek, due to a change in vehicular traffic away from the water way. While obtaining rock used to rock the new road, a pond was constructed to provide an off-site water source for livestock and wildlife.

Little Whiskey Creek culvert installation allowed for fish passage upstream.

These improvements provided for increased resource protection of the overall Whiskey Creek and Little Whiskey Creek drainages, while also improving ranch management.

R13. Project Inspection

Identify who will inspect and sign off on the completed project.

Name of Person & Agency/Organization	Telephone Number	Email Address	Project Element Inspected
Rick Wagner/ODF	541-963-3168	rwagner@odf.state.or.us	Construction/Design
Craig Schellsmidt/SWCD	541-963-1313	unionswcd @hotmail.com	Pre-Implementation/Project Management/Fiscal Administration/Post-Implementation Status Reporting

R14. Outreach

If your project proposal includes outreach activities (e.g., a site tour for local citizens, landowner meetings, informational materials), please describe the proposed activities and products and why they are necessary for the overall success of the restoration proposal. See the Application Instructions for clarification of eligible outreach costs.

Pearrranged prescheduled tours for educational, professional, and fellow land owner tours and visits to the site for onsite inspections, monitoring, and educational experiences.

Regional review teams will evaluate the appropriateness of proposed outreach activities with respect to their necessity for success of the restoration project, budget, and other factors.

R15. Project Maintenance and Reporting

Use the table below to document how the project will be maintained over time. State who will maintain the project. Identify their affiliation and provide contact information. In addition, please indicate who will conduct Post-Implementation Status Reporting following project completion.

Name of Person & Agency/Organization and Addresses	Telephone Number Email Address	What will be done and for how long?
Courtney Ranch/property owner	541-963-3278 smroyston@hotmail.com	Road maintenance and ongoing habitat protection/ as long as Courtney ranch owes the property.
Rick Wagner/ODF	541-963-3168 rwanager@odf.state.or.us	Project layout and over site/one year after project completion.
Craig Schellsmidt/SWCD	541-963-1313 unionswcd@hotmail.com	Project monitoring of project for two years.

R16. Budget Development

There are a number of assumptions used to develop any budget. This does not mean you must provide a line by line description of costs. Use this response to provide a clear understanding of what the budget estimate was based on.

- Explain how costs were determined for the budget elements. Describe if contractor conversations, past projects or other cost figures were used for each major element of the budget. This is particularly important for lump sum elements in the budget. For project management costs describe the time and activities that would be involved.

Costs of this project were broken down into the following categories: material cost, production cost, managing cost, and monitoring costs. These costs are in relationship to past projects of this type including Phase I. Factoring in increased cost of fuel, material, and increased general operating overhead, project management costs include grant writing, landowner coordination and engineering and construction over site.

- If there are any unusual cost factors, explain them. For example, if the fencing costs are unusually high because of steep, rocky terrain and unroaded access, this is the place to explain the cost elements on the budget page.

Increased fuel cost and material cost will be the two biggest cost increases to this project due to market fluctuation.

- ◆ **R17. Effectiveness Monitoring.** If you plan to conduct Effectiveness Monitoring beyond post-implementation status reporting and you are requesting more than \$3,500 in OWEB funds to support these EM activities, complete the R17 Effectiveness Monitoring Application Insert, print it out and add after Question R16. See the R17 Effectiveness Monitoring Insert Instructions for clarification.

- ◆ **R18. Planting Activities.** If you are proposing a Riparian, Upland or Wetland Planting activities and you are requesting more than \$3,500 in OWEB funds for planting activities and/or for post-planting activities that are necessary for long-term survival of the plantings, you must complete the R18 Planting Activities Insert, print it out and add after Question R17 or R18 as appropriate. Please see the definition of "plant establishment activities" in R18. If you are asking for \$3,500 or less, you may answer the questions if you would like the reviewers to have additional information on the planting component of the project. See the R18 Planting Activities Application Insert Instructions for clarification.

Section IV
WATERSHED RESTORATION BUDGET

IMPORTANT: *Read the application instructions. Add additional lines, if necessary.*

Round totals to the nearest dollar

	A	B	C	D	E	F
Itemize projected costs under each of the following categories.	Unit Number (e.g., # of hours)	Unit Cost (e.g., hourly rate)	In-Kind Match	Cash Match Funds	OWEB Funds	Total Costs (add columns C, D, E)

PRE-IMPLEMENTATION. Must occur *after* the OWEB grant agreement has been fully executed, unless it is a city or county charge for processing the Land Use form. OWEB funds will not be disbursed for project components requiring permits or licenses until those permits and licenses have been received by OWEB. However, funds may be released for non-permitted project components whose implementation is not affected by the required permits.

Union SWCD/Permits/Consultation	40hr	\$25/hr			\$ 1,000	\$ 1,000
Land Use Form	1	\$30			\$ 30	\$ 30
SUBTOTAL (1)					\$ 1,030	\$ 1,030

PROJECT MANAGEMENT. Includes *actual in-house staff or contractors* who coordinate project implementation. Line items should identify who will be responsible for project management and their affiliation.

Rick Wagner/Oregon Department of Forestry	80hr	\$50/hr	\$4,000			\$ 4,000
Engineering/Oregon Department of Forestry	50hr	\$95/hr	\$4,750			\$ 4,750
Union SWCD	40hr	\$25/hr			\$ 1,000	\$ 1,000
SUBTOTAL (2)			\$8,750		\$ 1,000	\$ 9,750

IN-HOUSE PERSONNEL. Includes *only* actual in-house staff costs for project implementation.

SUBTOTAL (3)						

CONTRACTED SERVICES. Labor, supplies, and materials to be provided by non-staff for project implementation.

Labor	320 hr	\$ 34.38/hr			\$11,002	\$11,002
D8K dozer	82 hr	\$211.50/hr			\$17,343	\$17,343
D5H dozer	45 hr	\$137.50/hr			\$ 6,188	\$ 6,188
2650 Link-belt excavator	171 hr	\$131.00/hr			\$23,187	\$23,187
14-E Cat road grader	16 hr	\$141.50/hr			\$ 2,264	\$ 2,264
Vibratory Roller	24 hr	\$118.50/hr			\$ 2,844	\$ 2,844
Belly dump	80 hr	\$101.50/hr			\$ 8,120	\$ 8,120
Shop trailer	15 day	\$325.00/day			\$ 4,875	\$ 4,875
Equipment mobilization and demobilization	26 hr	\$103.50/hr			\$ 2,691	\$ 2,691
Grass Seeding	1 Day	\$400.00/day	\$400			\$ 400
SUBTOTAL (4)			\$400		\$78,514	\$78,914

TRAVEL. Mileage, per diem, lodging, etc. Must use current State of Oregon rate.

Union SWCD	238 miles	\$0.51/mile			\$ 121	\$ 121
SUBTOTAL (5)					\$ 121	\$ 121

SUPPLIES/MATERIALS. Refers to items that are "used up" in the course of the project. Costs to OWEB must be directly related to on-the-ground work.

Eco-blocks	45	\$ 86.25			\$ 3,881	\$ 3,881
Steel I beam stringers	4	\$ 1,417.50			\$ 5,670	\$ 5,670
Guard rail/bridge decking	75	\$ 23.00			\$ 1,725	\$ 1,725
Culverts 18"x20"	5	\$ 336.95			\$ 2,022	\$ 2,022
Steel 4"x4"x1/2"x20' angle	6	\$ 170.42			\$ 1,023	\$ 1,023

	A	B	C	D	E	F
Itemize projected costs under each of the following categories.	Unit Number (e.g., # of hours)	Unit Cost (e.g., hourly rate)	In-Kind Match	Cash Match Funds	OWEB Funds	Total Costs (add columns C, D, E)

Miscellaneous steel				\$ 450	\$ 450	
Material delivery to site				\$ 3,354	\$ 3,354	
On site rock source/\$1 Royalty and \$2.10 Excavation	3240cy	\$3.10/cy	\$10,044		\$ 10,044	
Grass Seed/Five seed mix orchard grass, fescue, wheat grass, clover, rye grass	200/lb	\$1.92/lb	\$ 384		\$ 384	
		SUBTOTAL (6)	\$10,428	\$ 5,670	\$12,455	\$ 28,553

EQUIPMENT. List equipment costing **\$250 or more per unit**. Useful life of equipment is for the duration of project and will be used only for this project. Identify any portable equipment (items with useful life of generally 2 years or more). Must be property of a governmental entity, tribe, watershed council, SWCD, institution of higher learning or school district.

SUBTOTAL (7)

OUTREACH. Refers to informational and promotional activities necessary for the project.

SUBTOTAL (8)

[Add all subtotals, (1-8) above] **CATEGORY TOTALS (9)** \$19,578 \$ 5,670 \$93,120 \$118,368

FISCAL ADMINISTRATION — Round totals to the nearest dollar

FISCAL ADMIN. Not to exceed **10% of Category Totals (9) Funds**. Compute by multiplying by 0.10 or less. Costs associated with accounting; auditing (fiscal management); contract management (complying with the terms and conditions of the grant agreement); and fiscal reporting expenses for the OWEB project, including final report expenses (e.g., film developing) for the grant.

Union SWCD				\$ 5,927	\$ 5,927
				\$ 5,927	\$ 5,927

POST-IMPLEMENTATION STATUS REPORTING. Costs associated with annual reporting requirements typically required for each grant (*see Application Instructions*).

Union SWCD	\$300/yr /yr	2/years		\$ 600	\$ 600
				\$ 600	\$ 600
		SUBTOTAL (11)		\$ 600	\$ 600

[Add the two Subtotals (10 & 11)] **TOTAL (12)** \$ 6,527 \$ 6,527

RESTORATION BUDGET TOTAL — Round totals to the nearest dollar

RESTORATION BUDGET TOTAL (13) [Add Category Totals (9) and Fiscal/PISR Total (12) from above]		\$ 5,670	\$99,647	\$124,895
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EFFECTIVENESS MONITORING BUDGET TOTAL

EFFECTIVENESS MONITORING BUDGET TOTAL (14) <i>This only applies if you are doing Effectiveness Monitoring; see Application Instructions and R17. Transfer Budget Total (11) from the Effectiveness Monitoring Budget Insert.</i>				
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	A	B	C	D	E	F
<i>Itemize projected costs under each of the following categories.</i>	Unit Number (e.g., # of hours)	Unit Cost (e.g., hourly rate)	In-Kind Match	Cash Match Funds	OWEB Funds	Total Costs (add columns C, D, E)

PLANT ESTABLISHMENT BUDGET TOTAL

PLANT ESTABLISHMENT BUDGET TOTAL (15)

This only applies if you are doing a planting project; see Application Instructions and R18. Transfer Budget Total (9) from the Plant Establishment Budget Insert.

PROJECT BUDGET TOTAL — Round totals to the nearest dollar

PROJECT BUDGET TOTAL [Add (13) (14), and (15) as applicable]	\$19,578	\$ 5,670	\$ 99,647	\$124,895
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ATTACHMENT A



MATCH FUNDING FORM

*Document here the match funding
shown on the budget page of your grant application*

OWEB accepts all non-OWEB funds as match. An applicant may not use another OWEB grant to match an OWEB grant. However, an applicant who benefits from a pass-through OWEB agreement with another state agency, by receiving either staff expertise or a grant from that state agency, may use those benefits as match for an OWEB grant. (Example: A grantee may use as match the effort provided by ODFW restoration biologists because OWEB funding for those positions is the result of a pass-through agreement). At the time of application, match funding for OWEB funds requested does not have to be secured, but you must show that at least 25% of match funding has been sought. On this form, you do not necessarily need to show authorized signatures ("secured match"), but the more match that is secured, the stronger the application. Identify the type of match (cash or in-kind), the status of the match (secured or pending), and either a dollar amount or a dollar value (based on local market rates) of the in-kind contribution. In the table below, the match may be identified as Effectiveness Monitoring (EM), Plant Establishment (PE) or Other (OTHER) Dollar Value. **If you are not requesting funds from OWEB to support effectiveness monitoring or plant establishment, disregard the EM column or the PE column and use only the OTHER column.**

EFFECTIVENESS MONITORING (EM): If you are requesting more than \$3,500 in OWEB funds to support Effectiveness Monitoring activities as part of a Watershed Restoration Grant Application and filling out information for Question R17, you must include matching funds which will be used as match for the effectiveness monitoring portion of the project. This is identified in the table below as EM Dollar Value.

PLANT ESTABLISHMENT (PE): If you are requesting more than \$3,500 in OWEB funds to support Plant Establishment as part of a Watershed Restoration Grant Application and filling out information for Question R18, you must include matching funds which will be used as match for the Plant Establishment portion of the application. This is identified in the match form table as the PE Dollar Value.

If you have questions about whether your proposed match is eligible or not, visit our website at www.oregon.gov/OWEB/GRANTS/grant_app_materials.shtml, or contact your local OWEB regional program representative (contact information available in the instructions to this application).

Project Name: UGR Whiskey Crk. Road Relocation and Riparian Restoration Applicant: Union SWCD

Match Funding Source	Type (✓ one)	Status (✓ one)**	EM Dollar Value	PE Dollar Value	OTHER Dollar Value	Match Funding Source Signature/Date**
Oregon Department of Forestry	<input type="checkbox"/> cash <input checked="" type="checkbox"/> in kind	<input checked="" type="checkbox"/> secured <input type="checkbox"/> pending			\$8,750.00	<i>Rick Allegro Oregon Dept. of Forestry</i>
COURTNEY RANCHES, L.L.C.	<input type="checkbox"/> cash <input checked="" type="checkbox"/> in kind	<input checked="" type="checkbox"/> secured <input type="checkbox"/> pending			\$10,828.00	<i>Sherry Rouson Courtney Ranches</i>
COURTNEY RANCHES, L.L.C.	<input checked="" type="checkbox"/> cash <input type="checkbox"/> in kind	<input checked="" type="checkbox"/> secured <input type="checkbox"/> pending			\$5,670.00	<i>Sherry Rouson Courtney Ranches L.L.C.</i>
	<input type="checkbox"/> cash <input type="checkbox"/> in kind	<input type="checkbox"/> secured <input type="checkbox"/> pending				
	<input type="checkbox"/> cash <input type="checkbox"/> in kind	<input type="checkbox"/> secured <input type="checkbox"/> pending				
	<input type="checkbox"/> cash <input type="checkbox"/> in kind	<input type="checkbox"/> secured <input type="checkbox"/> pending				

** **IMPORTANT:** If you checked the "Secured" box in the Status Column for any match funding source, you must provide either the signature of an authorized representative of the match source in the final Column, or attach a letter of support from the match funding source that specifically mentions the dollar amount you show in the EM, PE or OTHER Dollar Value Column(s).

ATTACHMENT B



LAND USE INFORMATION FORM

This information is needed to determine if the proposed project complies with statewide planning goals and is compatible with local comprehensive plans (ORS 197.180). The form does not have to be completed and signed at the time of application. The completed and signed form must be submitted before OWEB releases project funds. OWEB will release project funds only if the project either is not regulated by, or is compatible with, the local comprehensive plan and zoning ordinance. If a project is regulated by the local comprehensive plan and zoning ordinance, OWEB will void grant agreements for projects the county determines to be incompatible with the local comprehensive plan and zoning ordinance. If the county requires additional local approvals for a project regulated by the local comprehensive plan and zoning ordinance, OWEB will not release project funds until these conditions are satisfied.

1. TO BE COMPLETED BY THE APPLICANT/GRAANTEE

Applicant/Grantee Name: Union SWCD

Project Name: UGR Whiskey Crk. Road Relocation and Riparian Restoration

2. TO BE COMPLETED BY CITY/COUNTY OR TRIBAL PLANNING OFFICIAL

Complete this section only after section 1, above, has been completed. Check the box below that applies:

- This project is not regulated by the local comprehensive plan and zoning ordinance.
- This project has been reviewed and is compatible with the local comprehensive plan and zoning ordinance.
- This project has been reviewed and is not compatible with the local comprehensive plan and zoning ordinance.
- Compatibility of this project with the local planning ordinance cannot be determined until the following local approvals are obtained:

Conditional Use Permit
 Plan Amendment
 Other

Development Permit
 Zone Change

An application has _____ has not _____ been made for the local approvals checked above.

* Signature of Local Official

Date

Print Name: _____

Phone: _____

Title: _____

Email: _____

***Must be an authorized signature from your local City/County or Tribal Planning Department, regardless of which box is checked above.**

ATTACHMENT C



PUBLIC RECORD CERTIFICATION

Oregon Administrative Rule 695-005-0030(4) states that "All applications that involve physical changes or monitoring on private land must include certification from the applicant that the applicant has informed all landowners involved of the existence of the application and has also advised all landowners that all monitoring information obtained on their property is public record. If contact with all landowners was not possible at the time of application, explain why."

INSTRUCTIONS: All applicants must complete Part One. In Part One, if you check the first box, skip Part Two and sign and date in the signature box below. If you check the second box, you must complete Part Two and sign and date in the signature box below.

PART ONE

- Public land only (STOP: go to signature box and complete)
- Private land only, or a mix of public and private land (complete Part Two and sign and date in the signature box)

PART TWO

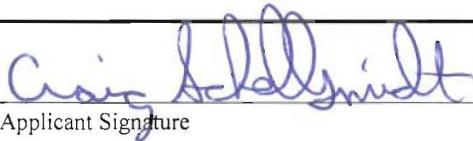
- I certify that I have informed all participating private landowners involved in the project of the existence of the application, and I have advised all of them that all monitoring information obtained on their property is public record.
The following is a complete list of all participating private landowners.

- | | |
|------------------------------------|-----------|
| 1. <u>COURTNEY RANCHES, L.L.C.</u> | 6. _____ |
| 2. _____ | 7. _____ |
| 3. _____ | 8. _____ |
| 4. _____ | 9. _____ |
| 5. _____ | 10. _____ |

- I certify that contact with all participating private landowners was not possible at the time of application for the following reasons:

Furthermore, I understand that should this project be awarded, I will be required by the terms of the OWEB grant agreement to secure cooperative landowner agreements with all participating private landowners prior to expending Board funds on a property.

APPLICANT/CO-APPLICANT SIGNATURE

 Applicant Signature		4-12-2012 Date
Craig Schellsmidt Print Name		District Manager Title
Co-Applicant Signature		Date
Print Name		Agency

ATTACHMENT D



RESTORATION METRICS FORM

OWEB receives a portion of its funds from the federal government and is required to report how its grantees have used both federal and state funds. The information you provide in the following form will be used for federal and state reporting purposes.

Please complete all portions of the form below as they apply to your project and submit all pages (do not exclude any pages). Please provide specific values, do not enter values like "2-3" or "<100". Enter your best approximation of what the project will accomplish.

If you have any questions, please contact Cecilia Noyes, OWEB Performance Analyst/Reporting Specialist at 503-986-0204 or cecilia.noyes@state.or.us.

Section 1 - Project Overview

Answer all five questions below, even if you have answered a similar question in a previous section in the grant application.

1. Land Use Setting: CHECK ONE BOX ONLY.

<input type="checkbox"/> Urban/Suburban/Exurban (Projects located within urban growth boundaries or rural residential areas)	<input checked="" type="checkbox"/> Rural (Projects located outside urban growth boundaries or rural residential areas.)
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2. Dominant Watershed Setting: CHECK ONE BOX ONLY. Example: Your project involves managing erosion in the upland area with some erosion control extended to the riparian area. Because most of the work is to occur in the upland area, you would check only the Upland box below.

<input type="checkbox"/> Estuary (where freshwater meets and mixes with saltwater of ocean tides.)	<input type="checkbox"/> Riparian (adjacent to a water body, within the active floodplain.)
<input type="checkbox"/> Instream (below the ordinary high-water mark or within the active channel — includes fish passage.)	<input checked="" type="checkbox"/> Upland (above the floodplain.)
<input type="checkbox"/> Groundwater (Projects that recharge groundwater or primarily affect the subsurface water table.)	
<input type="checkbox"/> Wetland (areas inundated or saturated by surface or groundwater at a frequency and duration sufficient to support a prevalence of vegetation typically adapted for life in saturated soil conditions.)	

3. Total Acres Treated: _____ Total Stream Miles Treated: _____ (*do not include upstream stream miles made accessible to fish with passage improvements*)

4. Project Identified in Plan or Watershed Assessment: List the primary watershed/subbasin plan(s) or assessment(s) in which this project type is identified as a priority. The plans identified in Section III, question #R9 should include the plans or assessments listed below. Attach additional page, if needed.

Title	Author(s)	Date
Upper Grande Ronde River SB1010 Agriculture Water Quality Management Area Plan	UGRRSLAWQ Adv. Committe	September, 1999
ODEQ Upper Grande Ronde TMDLs,	ODEQ and EPA	May, 2000
NWPCC Subbasin Plan	NWPCC	May, 2004
Northeast Oregon Snake River Recovery Plan	NOAA	Draft

5. Project Monitoring: All OWEB funded restoration projects require post-implementation status reporting including photo point monitoring. Please indicate below: 1) the location of the monitoring activities relative to the project, including photo point locations, 2) whether effectiveness monitoring is planned, and 3) whether additional monitoring will be conducted for this project.

5.1) Identify the location for the planned monitoring activities relative to the restoration project location. Check as many boxes as apply.

<input type="checkbox"/> Onsite	<input type="checkbox"/> Downstream	<input type="checkbox"/> Upstream	<input type="checkbox"/> Upslope
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5.2) Effectiveness monitoring will be conducted for this project, this can be selected regardless of whether the effectiveness monitoring is funded by OWEB (refer to definition of effectiveness monitoring in the Application Instructions under R16).

5.3) Will this project conduct monitoring activities beyond the required post-implementation status reporting and photo point monitoring?

Yes No If you answer yes, select the monitoring activities below, if you answer no proceed to Section 2.

Check all proposed monitoring activities

<input type="checkbox"/> Adult Fish presence/absence/abundance/distribution survey(s)	<input type="checkbox"/> Spawning surveys
<input type="checkbox"/> Juvenile Fish presence/absence/abundance/distribution survey(s)	<input type="checkbox"/> Upland vegetation (Presence/Absence)
<input type="checkbox"/> Instream Habitat surveys	<input type="checkbox"/> Water quality
<input type="checkbox"/> Macroinvertebrates	<input type="checkbox"/> Water quantity
<input type="checkbox"/> Noxious weed (Presence/Absence)	<input type="checkbox"/> Other (explain): _____
<input type="checkbox"/> Riparian vegetation (Presence/Absence)	

Section 2 - Project Activities

Provide values for each Project Activity applicable to your application. Leave blank any Project Activity or metric line that is not appropriate to your application. All data entered in this form should be what you plan to do with the project. Data about completed projects will be reported at the end of the project to the Oregon Watershed Restoration Inventory (OWRI).

For each activity type where you enter metrics, estimate the percentage of the total cost of the project (OWEB and all other funding sources, shown on page 1 of this application) that applies to the activity. The sum of all of the activity cost percentages should equal 100%. Please distribute all administrative, project management and other general project costs among the various project activities when estimating percentages.

Example: A project will remove a fish passage barrier, place large boulders instream, and plant a riparian buffer. You would enter the appropriate metrics into the Fish Passage, Instream Habitat, and Riparian Habitat activity sections of this form. Then, estimate the percentage of the total cost of the project for each activity. For instance: 20% towards Fish Passage activities, 25% towards Instream Habitat activities, and 55% towards Riparian Habitat activities.

Fish Screening Projects: Projects that result in the installation or improvement of screening systems that prevent fish from passing into areas that do not support fish survival, for example into irrigation diversion channels.

- ____ % Estimate the percentage of total cost of the project applied to fish screening activities
- ____ # Estimate the number of irrigation diversions with new screens installed (do not count diversions where existing screens are replaced)
- ____ cfs Estimate the cubic feet per second of flow influenced by new screen(s) installed (to nearest 0.01 cfs)
- ____ # Estimate the number of irrigation diversions with existing screens replaced, repaired or modified

Fish Passage Improvement: Projects that improve fish migration by addressing a migration barrier problem.

Complete sections A-E as they apply to the proposed project. Projects that improve fish passage at road crossings should complete both sections A (define the problem) and B (define the treatment). Non-road crossing improvements are reported in sections C and D. Section E should be completed for all fish passage improvement projects. Refer to the application instructions for additional information and examples.

A. Road Crossings – Define Existing Fish Passage Problem

1. Culverts hindering fish passage	_____ # crossings
2. Bridges hindering fish passage	_____ # crossings
3. Fords hindering fish passage	5 # crossings

B. Road Crossings – Define the Fish Passage *Improvements* to be implemented by this project

1. Culverts installed/improved - <i>Improvements may include installing baffles inside culverts or installing/improving engineered bypasses (e.g. weirs) directly below a culvert outlet to improve passage.</i>	_____ # crossings	_____ str. mi with improved access*
2. Bridges installed/improved - <i>Improvements may include installing/improving engineered bypasses (e.g. weirs) directly below a bridge crossing to improve passage.</i>	1 # crossings	16.24 str. mi with improved access*
3. Fords installed/improved	_____ # crossings	_____ str. mi with improved access*
4. Road Crossings removed and not replaced	5 # crossings	15.49 str. mi with improved access*

*Estimate stream miles in the main channel and tributaries made more accessible above the crossing(s) (to nearest 0.01 mile). If a barrier exists upstream, report the length made accessible up to that next upstream barrier.

C. Fish Passage Barriers – Other than Road Crossings

1. Type(s) of barriers to be treated/removed to improve fish passage.	<input type="checkbox"/> Diversion Dam <input type="checkbox"/> Push-up Dam <input type="checkbox"/> Wood or Concrete Dam <input type="checkbox"/> Weir (not associated with a road crossing) <input type="checkbox"/> Logs <input type="checkbox"/> Debris <input type="checkbox"/> Tidegates Other (explain) _____
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D. Fish Ladders or Engineered Bypasses (not associated with Road Crossings)

1. Fish ladders will be installed/improved	_____ # fish ladders to be installed/improved
2. Engineered bypasses will be installed/improved. <i>This includes weirs, rock boulder step pools, and chutes constructed/roughened in bed rock. Do not count engineered bypasses located at a road crossing to improve passage at the crossing. These types of improvements should be identified above in section B as a Road Crossing Fish Passage Improvement.</i>	_____ # engineered bypasses to be installed/improved

E. Fish Passage Summary Metrics

1. **33.22 %** Estimate the percentage of total cost of the project applied to fish passage improvements
2. **16.24 mi** Estimate the total stream miles that will be made more accessible in the main channel and tributaries above the project (to nearest 0.01 mile). *This metric summarizes the stream miles for all of the proposed passage improvements (defined above in Sections A-D). If a barrier exists upstream of the project, report the length made accessible up to that next upstream barrier.*
3. **5 #** Estimate the total number of barriers (this includes road crossings, diversion dams, push up dams, wood or concrete dams, weirs, tidegates, etc.) to be removed or altered to improve passage.
4. _____ % Estimate the percentage of fish passage activity costs applied to tidegates. If you do not select tidegate as a type of fish passage barrier for question C.1, leave this value blank. Example: Your project will remove a tidegate. You estimated that 100% of the total project cost will apply to fish passage improvements and one quarter of the fish passage improvements costs will apply to the tidegate removal, you would report 25%.

Instream Flow: Projects that maintain and/or increase the instream flow of water. Irrigation improvements that are primarily designed to improve water quality should be reported under Upland – Agriculture Management Activities. Check all proposed activities.

<input type="checkbox"/> Irrigation practice improved to increase instream flows (e.g. install diversion headgate, replace open ditches with pipes)	<input type="checkbox"/> Water flow gauges installed to measure water use
<input type="checkbox"/> This project will dedicate instream flow.	<input type="checkbox"/> Other (explain): _____

- _____ % Estimate the percentage of total cost of the project applied to instream flow activities
 _____ mi. Estimate the miles of stream where increased flow is the result of decreased/eliminated water withdrawals
 _____ cfs Estimate the increase in flow of water in the stream as a result of conservation effort (cubic feet per second)
 _____ mm/dd/yyyy Initial start date of irrigation practice improvement
 _____ mm/dd/yyyy Final end date of irrigation practice improvement (if improvement is permanent enter 12/31/9999)

Instream Habitat: Projects that are designed to improve instream habitat conditions.

Check all proposed activities.

<input type="checkbox"/> Channel reconfiguration and connectivity (e.g., creating instream pools, meanders, improving floodplain connectivity, off-channel habitat)	<input type="checkbox"/> Spawning gravel placement
<input type="checkbox"/> Channel structure - large wood placement	<input type="checkbox"/> Plant Removal/control (instream) List scientific names of plants _____
<input type="checkbox"/> Channel structure - boulder placement	<input type="checkbox"/> Beaver introduction
<input type="checkbox"/> Channel structure placement (<u>other</u> than large wood or boulder placements), e.g., engineered structures or deflectors, barbs, weirs, etc.	<input type="checkbox"/> Carcass or nutrient placement: <input type="checkbox"/> salmonid carcass; <input type="checkbox"/> fish meal brick; <input type="checkbox"/> other nutrient
<input checked="" type="checkbox"/> Streambank stabilization (includes bio-engineering)	<input type="checkbox"/> Other (explain): _____

- 3.21 % Estimate the percentage of total cost of the project applied to instream habitat activities
 _____ mi. Estimate the miles of stream to be treated with instream habitat treatments (to nearest 0.01 mile)
 _____ % Estimate the percentage of instream activity costs for carcass or nutrient placements. If you do not select carcass/nutrient placements as an instream habitat activity, leave this value blank. *Example: Your project will place salmon carcasses. You estimated that 25% of the total project cost will apply to instream habitat activities and one half of the instream improvements costs will apply to the carcass placement, you would report 50%.*

Riparian Habitat: Projects above the ordinary high-water mark of the stream and within the floodplain of the stream.
Check all proposed activities.

<input type="checkbox"/> Riparian planting	<input type="checkbox"/> Conservation grazing management (e.g., rotation grazing)
<input type="checkbox"/> Riparian fencing	<input type="checkbox"/> Non-native/noxious plant control
<input type="checkbox"/> Livestock exclusion (by means other than fencing)	<input type="checkbox"/> Vegetation management (e.g. prescribed burnings, stand thinning, stand conversions, silviculture)
<input type="checkbox"/> Water gap development	<input checked="" type="checkbox"/> Other (explain): <u>Existing Riparian fence maintence, stream side road obliteration</u> <i>Do not report livestock water developments here, report livestock water developments under upland habitat treatments.</i>

- 8.47 % Estimate the percentage of total cost of the project applied to riparian habitat activities
 _____ ac. Estimate the acres of riparian habitat to be planted (to nearest 0.1 acres)
 _____ ac. Estimate the acres of riparian habitat to be treated for non-native/noxious weeds (to nearest 0.1 acres)
 25.1 ac. Estimate the total riparian acres to be treated. (to nearest 0.1 acres)
 _____ mi. Estimate the miles of riparian streambank to be treated (to nearest 0.01 mi). Stream sides treated one two
 (Do not double count miles if a second side is treated)

Upland Habitat: Projects implemented above the floodplain. Check all proposed activities.

<input type="checkbox"/> Erosion control structures (e.g., sediment collection basins, WASCOBs)	<input type="checkbox"/> Upland Agriculture Management – (e.g., no/low-till, wind irrigation improvements)
<input checked="" type="checkbox"/> Planting/seeding for erosion control (e.g., convert from crops to native vegetation, plant area where non-native/noxious weeds removed, grassed waterways, windbreaks, filter strips) plants _____	<input type="checkbox"/> Livestock Manure Management (e.g., feedlot improvements to reduce runoff, relocate/improve manure holding structures and manure piles to reduce/eliminate drainage into streams)
<input type="checkbox"/> Slope stabilization (e.g., grade stabilization, landslide reparation terracing slopes)	<input type="checkbox"/> Livestock/Wildlife Water Developments
<input type="checkbox"/> Non-native/noxious plant control; List scientific names of plants: _____	<input type="checkbox"/> Upland Livestock Management (other than livestock water developments), e.g., grazing, fencing
<input type="checkbox"/> Juniper removal/control	<input type="checkbox"/> Restore Historic Upland Habitats (e.g. oak woodland, oak savannah, upland prairie restoration)
<input type="checkbox"/> Vegetation Management (other than non-native/noxious plant control or juniper removal, e.g. tree thinning, brush control, burning) List scientific names of plants: _____	<input type="checkbox"/> Other (explain): _____

0.69 % Estimate the percentage of total cost of the project will apply to upland habitat activities

 # Estimate the number of livestock/wildlife water developments

 ac. Estimate the acres of upland habitat to be treated for non-native/noxious plants (to nearest 0.1 acres)

12.43 ac. Estimate the total acres of upland habitat to be treated (do not include acres of upland habitat affected by livestock water developments (to nearest 0.1 acres)

 % Estimate the percentage of upland activity costs applied to Livestock Manure Management. If you do not select Livestock Manure Management as an upland habitat activity, leave this value blank. *Example: Your project will relocate a feedlot to reduce livestock manure runoff. You estimated that 33% of the total project cost will apply to upland habitat activities and one half of the upland improvements costs will apply to the feedlot relocation, you would report 50%.*

Road Activities: Projects designed to improve road impacts to watersheds. Check all proposed activities.

<input checked="" type="checkbox"/> Road drainage system and surface improvements & reconstruction	_____
<input checked="" type="checkbox"/> Road closure, relocation, obliteration (decommissioning)	_____

55.10 % Estimate the percentage of total cost of the project applied to road activities

3.40 mi. Estimate the miles of road treated (to nearest 0.01 mile)

Urban Impact Reduction: Check all of the urban impact related activities that will be used by this project:

<input type="checkbox"/> Sewage outfall clean-up	<input type="checkbox"/> Bioswales
<input type="checkbox"/> Toxin reduction: list names of each toxic species, element or material: _____	<input type="checkbox"/> Detention Facility
<input type="checkbox"/> Pesticide reduction: list names of each pesticide: _____	<input type="checkbox"/> Other urban impact reduction (explain): _____
<input type="checkbox"/> Stormwater/wastewater modification or treatment	

Check all of the water quality limiting factors addressed by the Urban Impact Reduction activities selected above. Do not select limiting factors addressed by other types of restoration activities:

<input type="checkbox"/> Bacteria	<input type="checkbox"/> Pesticides	<input type="checkbox"/> Nutrients
<input type="checkbox"/> Dissolved Oxygen	<input type="checkbox"/> Toxics	<input type="checkbox"/> Sediment
<input type="checkbox"/> Heavy Metals	<input type="checkbox"/> High Temperature	<input type="checkbox"/> Other (explain): _____

_____ % Estimate the percentage of total cost of the project applied to urban impact activities

Wetland Habitat: *Projects designed to create or improve wetland areas. Check all proposed activities.*

<input type="checkbox"/> Wetland planting	<input type="checkbox"/> Artificial wetland area created from an area not formerly a wetland
<input type="checkbox"/> Non-native/noxious/invasive plant control	<input type="checkbox"/> Other (explain): _____
<input type="checkbox"/> Wetland improvement/restoration of existing or historic wetland (other than vegetation planting or removal)	

_____ % Estimate the percentage of total cost of the project applied to wetland habitat activities

_____ ac. Estimate the acres of wetland habitat to be treated for non-native/noxious/invasive plants (to nearest 0.1 acres)

_____ ac. Estimate the acres of artificial wetland created (to nearest 0.1 acres)

_____ ac. Estimate the total acres of wetland habitat (existing or historic) treated (to nearest 0.1 acres)

Estuarine Habitat: *Projects that result in improvement or increase in the availability of estuarine habitat. Check all proposed activities.*

<input type="checkbox"/> Channel modification/creation (e.g., improve intertidal flow to existing estuarine habitat)	<input type="checkbox"/> Non-native/noxious plant control
<input type="checkbox"/> Dike or berm modification/removal	<input type="checkbox"/> Creation of new estuarine habitat where one did not exist previously by methods other than tidegates or dikes
<input type="checkbox"/> Removal of existing fill material	<input type="checkbox"/> Other (explain): _____
<input type="checkbox"/> Placement of fill material (for proper terrestrial function)	

_____ % Estimate the percentage of total cost of the project applied to estuarine habitat activities

_____ ac. Estimate the acres of estuarine habitat to be treated for non-native/noxious plants (to nearest 0.1 acres)

_____ ac. Estimate the total acres of estuarine habitat (existing or historic) to be treated (to nearest 0.1 acres)

UGR Whiskey Creek Road Relocation and Riparian Restoration Vicinity Map



Legend

- Town Limits
- Interstate Highway
- Municipal Highway
- State Highway
- US Highway
- Lakes



Location Information 04/12/2012

Legal: T3S R37E S18, SWNW
Latitude: 45°18'22", (45°18'3719" or 45 3062°)
Longitude: -118°14'22", (-118°14.3587 or -118.2393°)

7 Miles West of La Grande
10 Miles West of Island City
Elevation (approximate): 3220 ft
LandMark: Little Coyote Cany
n. Badger Spring

Watershed Basins 5th and 6th: GRANDE RONDE RIVER/BEAVER CREEK/WHISKEY CREEK
Watershed 5th field Number: 1706010404
Quad Name & #: HILGARD, 45118C2
County and District: UNION, Northeast Oregon
Ownership: Private,

Scale: 1 in. = 9521 feet
Feet 4000 8000 12000 16000 20000

Vicinity Map



UGR Whiskey Crk Road Relocation and Riparian Restoration

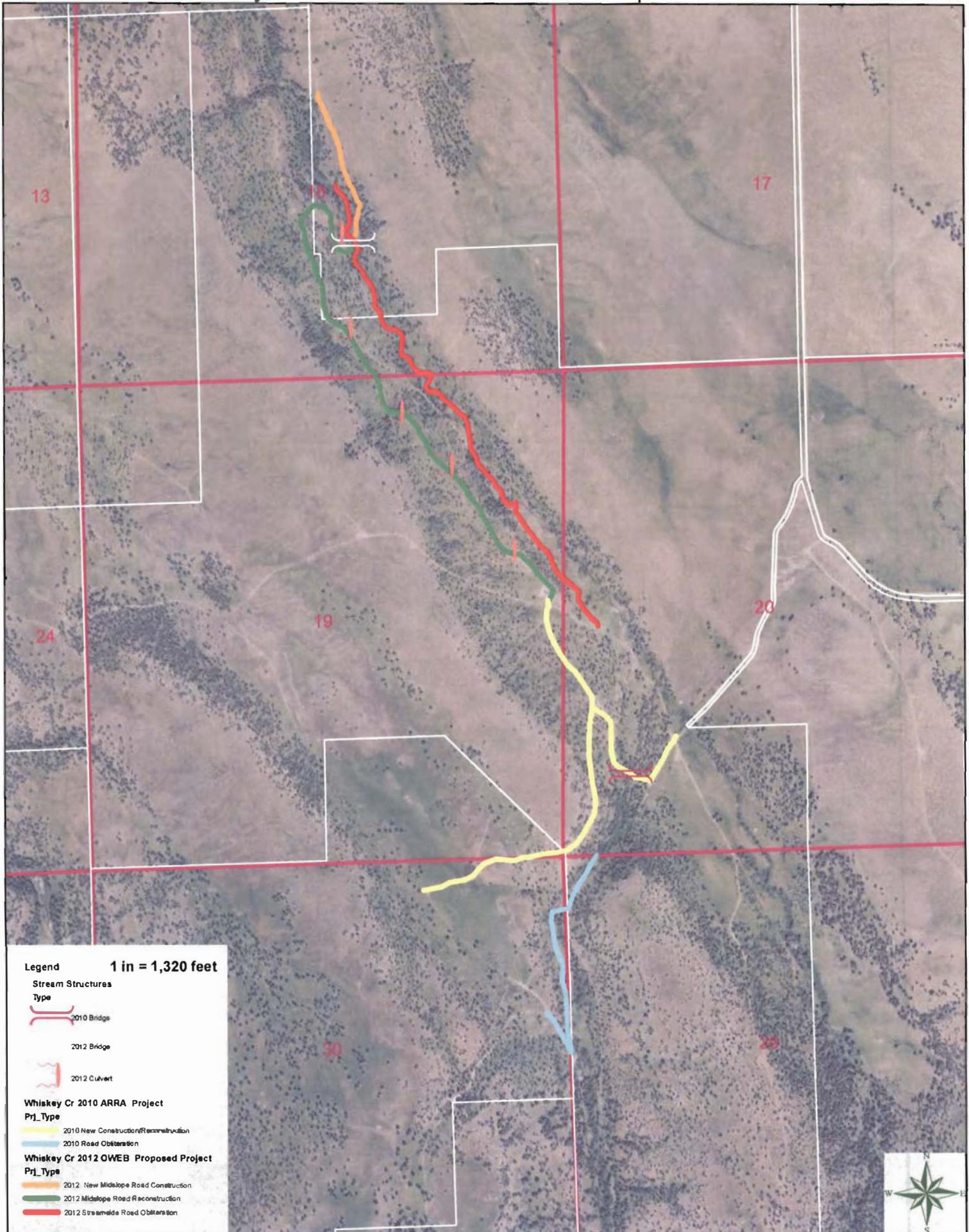




Photo 1. Completed Road from Phase 1. 2010.



Photo 2. Bridge Installed During Phase 1. 2010. Same Bridge Design for Phase 2.



Photo 3. Phase 2. Road Reconstruction and Culvert Location (1 of 5).



Photo 4. Phase 2. Current Road Condition.



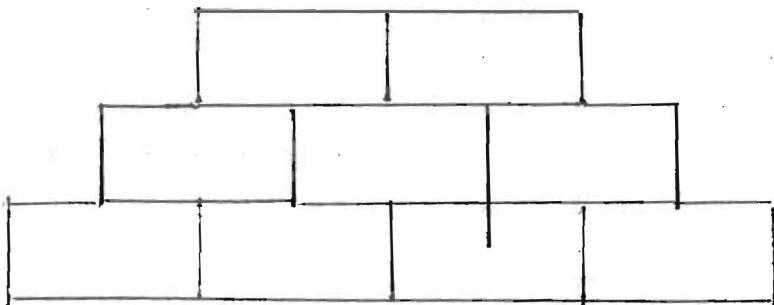
Photo 5. Draw Bottom Road Prism. Section to be Obliterated.



Photo 6. Bridge Location for Phase 2.

BRIDGE DESIGN

ECO BLOCK FOUNDATION

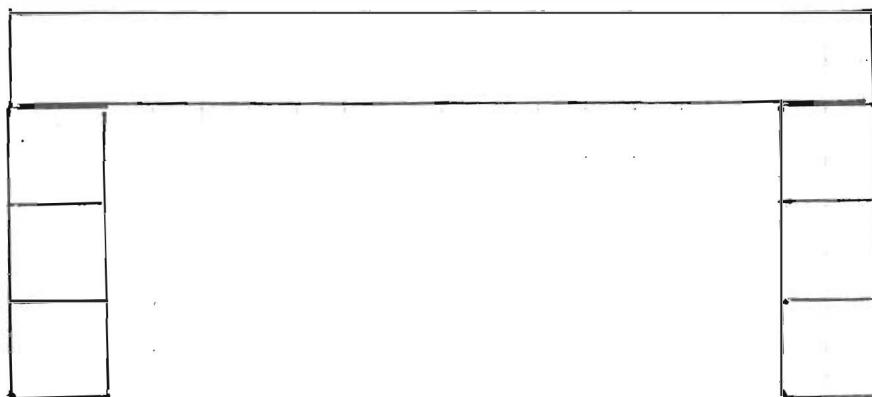


BLOCK SIZE

2' x 2' x 6'

~3600 lbs.
PER BLOCK

BRIDGE STRINGERS (FOUR)

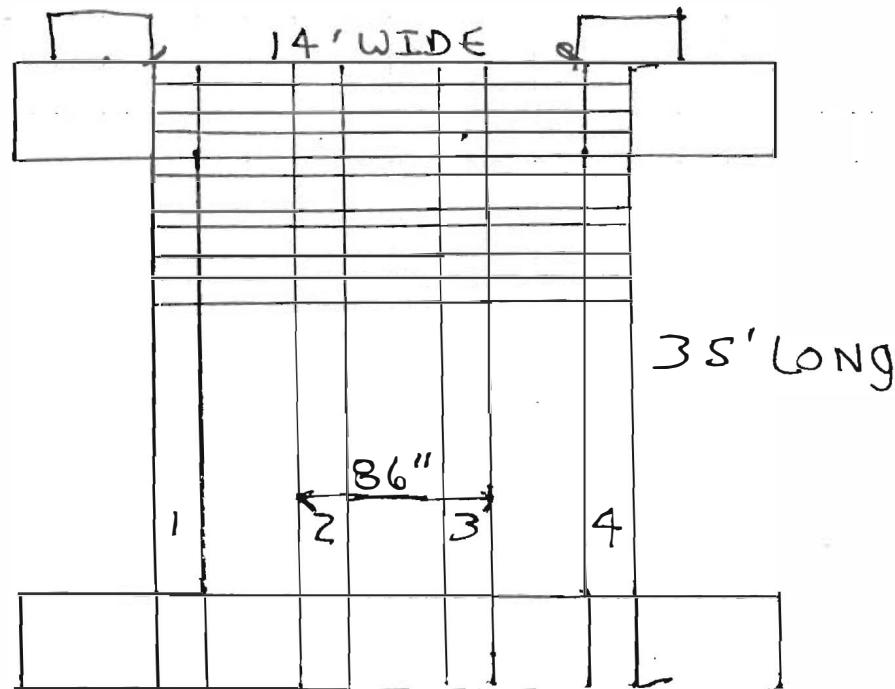


DIMENSION

9" WIDE x 24"
HIGH x $\frac{3}{4}$ "
STEEL 38' LONG

105,000 lb.
LOAD RATING

DECKING



2 - RIB GUARD
RAIL OVERLAPPI
FOR DOUBLE
STRENGTH



4 - I BEAMS

2 AND 3 AT
86" FOR TRUCK
TRAVEL