

## Development Cache Creek Rayhouse Road Bridge (FINAL)

FOR OFFICE USE ONLY:

Version # \_\_\_\_\_

APP # 700386

### A. Statement of Development Activity

Yolo County and its project partners propose to construct a new 14 ft. wide 220 ft. long bridge and a weight limit of 50 ton maximum load to replace an existing low-water bridge over Cache Creek. This bridge will reconnect State Highway 16 to Rayhouse Road (a.k.a. County Road 40) and provide the only route open to vehicles year-round over Cache Creek and onto federal, county and private lands. In January 2009 the California Department of Transportation (Caltrans) notified the county that the low-water bridge should be closed immediately to vehicular traffic due to structural defects, and the county closed the bridge to vehicle traffic immediately thereafter. The county's financial crisis prevents it from being able to entirely fund a replacement bridge and thus we are submitting this grant request for additional funding.

The Rayhouse Road Bridge Development Project will take place at Cache Creek Regional Park in Yolo County. This bridge is the critical piece of transportation infrastructure to maintain a gateway to over 78 square miles (50,000 acres) of the Cache Creek National Recreation Area, Bureau of Land Management's Knoxville Recreation Area, and Yolo County park property, all of which is open for public recreation (BLM Resource Management Plan, <http://www.blm.gov/ca/st/en/fo/ukiah/rmpmove.html>).

The existing low-water bridge has deteriorated to a point that it has been closed by the California Department of Transportation to vehicular traffic. Prior to it being closed the low-water bridge was only usable during dry weather. Now that the bridge is closed the only access to these public lands is located on the other side of the Blue Ridge Mountains two hours away, and this route is only usable during dry weather. Repairing the existing low-water bridge has been examined and found not to be cost effective due to the extent of damage and difficulty working in the creek. For these reasons Yolo County and its partner agencies propose to construct a new bridge over Cache Creek.

Not only is this bridge project needed to support the interests of the general public, but state and local emergency responders are supportive of this project as it will provide easy access for rescue, fire and law enforcement activities. According to the Capay Valley Fire Department, they average two rescue calls per month that require them to cross Cache Creek. Currently they have to either walk across the low-water bridge for non-life threatening rescues or drive through the creek bed to reach severely injured bikers, hikers or hunters on the other side.

### B. Relation of Proposed Project to OHV Recreation

The Cache Creek Bridge Construction Project will take place at Cache Creek Regional Park in Yolo County. This bridge is the critical piece of transportation infrastructure to maintaining a gateway to over 78 square miles (50,000 acres) of the Cache Creek National Recreation Area and the Bureau of Land Management's Knoxville Recreation Area all of which is open for off-highway vehicle recreation (BLM Resource Management Plan, <http://www.blm.gov/ca/st/en/fo/ukiah/rmpmove.html>).

### C. Size of the proposed development

A prefabricated bridge 220 feet long by 14 feet wide will be purchased and installed across Cache Creek and about 150 ft upstream of the low-water bridge. The length of span can be supported without having to construct a pillar in the creek bed. Buttresses will be built on each side of the creek to anchor the bridge for span support. The height of the bridge should be in excess of 15 feet above the mean high water flows. Unlike the low water crossing, the entire bridge structure is to be designed out of the creek bed and is to be located above the height identified for 100 year flood events and be open for crossing year-round.

The eastside buttress closest to Highway 16 would be constructed into the existing Rayhouse Road roadbed. The Westside buttress would be constructed into the existing river bank above the current floodplain. Approximately 50 feet of new road will be built to tie the bridge into the existing Rayhouse Road. All work including the 50 feet of new road construction would be on Yolo County Parks and Recreation property. The existing low water crossing is to be broken up

and recycled into the building of the buttresses for the bridge.

**D. Timeline for Project Completion**

Attachments:

[Project Schedule](#)

**E. Location and Description of OHV Opportunities**

Currently access to Rayhouse Road and the Knoxville Recreation Area is highly limited due to the closure of the low-water bridge across Cache Creek. This new bridge will provide year-round access to 50,000 acres of public lands for OHV enthusiasts operating 4x4, 2x4, motorcycle, ATV and other mechanized vehicles.

## Additional Documentation

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**1. Conceptual Drawings and Site Plans**

Attachments:

[Topographic Site Map](#)

[Bridge Specs](#)

**2. Land Tenure Certification**

Attachments:

[Land Tenure Deed](#)

**3. Project Specific Maps**

Attachments:

[Regional Map](#)

[OHV Accessible Lands](#)

**4. Optional Project-Specific Application Documents**

Attachments:

[Existing bridge flooded](#)

[Proposed new bridge](#)

**Project Cost Estimate**

FOR OFFICE USE ONLY:		Version # _____	APP # _____
<b>APPLICANT NAME :</b>	Yolo County Parks & Resources Department		
<b>PROJECT TITLE :</b>	Development Cache Creek Rayhouse Road Bridge (FINAL)	<b>PROJECT NUMBER (Division use only) :</b>	G09-03-40-D01
<b>PROJECT TYPE :</b>	<input type="checkbox"/> Acquisition <input checked="" type="checkbox"/> Development <input type="checkbox"/> Education & Safety <input type="checkbox"/> Ground Operations <input type="checkbox"/> Law Enforcement <input type="checkbox"/> Planning <input type="checkbox"/> Restoration		
<b>PROJECT DESCRIPTION :</b>	<p>Yolo County and its project partners propose to construct a new 14 ft. wide 220 ft. long bridge and a weight limit of 50 ton maximum load to replace an existing low-water bridge over Cache Creek. This bridge will reconnect State Highway 16 to Rayhouse Road (a.k.a. County Road 40) and provide the only route open to vehicles year-round over Cache Creek and onto federal, county and private lands. In January 2009 the California Department of Transportation (Caltrans) notified the county that the low-water bridge should be closed immediately to vehicular traffic due to structural defects, and the county closed the bridge to vehicle traffic immediately thereafter. The county's financial crisis prevents it from being able to entirely fund a replacement bridge and thus we are submitting this grant request for additional funding.</p> <p>The Rayhouse Road Bridge Development Project will take place at Cache Creek Regional Park in Yolo County. This bridge is the critical piece of transportation infrastructure to maintain a gateway to over 78 square miles (50,000 acres) of the Cache Creek National Recreation Area, Bureau of Land Management's Knoxville Recreation Area, and Yolo County park property, all of which is open for public recreation (BLM Resource Management Plan, <a href="http://www.blm.gov/ca/st/en/fo/ukiah/rmpmove.html">http://www.blm.gov/ca/st/en/fo/ukiah/rmpmove.html</a>).</p> <p>The existing low-water bridge has deteriorated to a point that it has been closed by the California Department of Transportation to vehicular traffic. Prior to it being closed the low-water bridge was only usable during dry weather. Now that the bridge is closed the only access to these public lands is located on the other side of the Blue Ridge Mountains two hours away, and this route is only usable during dry weather. Repairing the existing low-water bridge has been examined and found not to be cost effective due to the extent of damage and difficulty working in the creek. For these reasons Yolo County and its partner agencies propose to construct a new bridge over Cache Creek.</p> <p>Not only is this bridge project needed to support the interests of the general public, but state and local emergency responders are supportive of this project as it will provide easy access for rescue, fire and law enforcement activities. According to the Capay Valley Fire Department, they average two rescue calls per month that require them to cross Cache Creek. Currently they have to either walk across the low-water bridge for non-life threatening rescues or drive through the creek bed to reach severely injured bikers, hikers or hunters on the other side.</p>		

	Line Item	Qty	Rate	UOM	Grant Request	Match	Total
<b>DIRECT EXPENSES</b>							
<b>Program Expenses</b>							
1	<b>Staff</b>						
	Other-County Engineer	1.000	1.000	HRS	0.00	0.00	0.00

Project Cost Estimate for Grants and Cooperative Agreements Program - 2009/2010  
 Agency: Yolo County Parks & Resources Department  
 Application: Development Cache Creek Rayhouse Road Bridge (FINAL)

3/1/2010

	Line Item	Qty	Rate	UOM	Grant Request	Match	Total
	Other-Business Officer	1.000	1.000	HRS	0.00	0.00	0.00
	<b>Total for Staff</b>				0.00	0.00	0.00
<b>2</b>	<b>Contracts</b>						
	Other-Engineering Notes : Contract for Engineering & Design	1.000	93000.000	SET	75,000.00	18,000.00	93,000.00
	Other-Construction Notes : Contract for Construction Services	1.000	623855.000	SET	173,840.00	450,015.00	623,855.00
	<b>Total for Contracts</b>				248,840.00	468,015.00	716,855.00
<b>3</b>	<b>Materials / Supplies</b>						
	Other-Aggregate Base Notes : Class 2 Aggregate Base	1.000	3600.000	MISC	3,600.00	0.00	3,600.00
	Other-Reinforced Steel Notes : Reinforced Steel	1.000	26360.000	MISC	26,360.00	0.00	26,360.00
	Other-Structural Concrete Notes : Structural Concrete	1.000	105500.000	MISC	105,500.00	0.00	105,500.00
	Other-Geocomposite Drain Notes : Geocomposite Drain	1.000	600.000	MISC	600.00	0.00	600.00
	Other-Prefab Bridge Notes : Prefabricated 220' x 14" Bridge	1.000	580000.000	EA	580,000.00	0.00	580,000.00
	Other-Rock and fabric Notes : Armoring for slope and bridge abutment protection	1.000	35100.000	MISC	35,100.00	0.00	35,100.00
	<b>Total for Materials / Supplies</b>				751,160.00	0.00	751,160.00
<b>4</b>	<b>Equipment Use Expenses</b>						
<b>5</b>	<b>Equipment Purchases</b>						
<b>6</b>	<b>Others</b>						

Project Cost Estimate for Grants and Cooperative Agreements Program - 2009/2010  
 Agency: Yolo County Parks & Resources Department  
 Application: Development Cache Creek Rayhouse Road Bridge (FINAL)

3/1/2010

	Line Item	Qty	Rate	UOM	Grant Request	Match	Total
	Other-Environmental Review Notes : Environmental Review	1.000	40000.000	MISC	0.00	40,000.00	40,000.00
	Other-Permitting Notes : Permitting	1.000	5000.000	MISC	0.00	5,000.00	5,000.00
	<b>Total for Others</b>				0.00	45,000.00	45,000.00
7	<b>Indirect Costs</b>						
	<b>Total Program Expenses</b>				1,000,000.00	513,015.00	1,513,015.00
	<b>TOTAL DIRECT EXPENSES</b>				1,000,000.00	513,015.00	1,513,015.00
	<b>TOTAL EXPENDITURES</b>				<b>1,000,000.00</b>	<b>513,015.00</b>	<b>1,513,015.00</b>

Project Cost Summary for Grants and Cooperative Agreements Program - 2009/2010  
 Agency: Yolo County Parks & Resources Department  
 Application: Development Cache Creek Rayhouse Road Bridge (FINAL)

3/1/2010

	Line Item	Grant Request	Match	Total	Narrative
<b>DIRECT EXPENSES</b>					
<b>Program Expenses</b>					
1	Staff	0.00	0.00	0.00	
2	Contracts	248,840.00	468,015.00	716,855.00	One contract will be finalized for Engineering & Design, and one for Construction Services. Each one will be competitively bid to a firm that specializes in bridge and roadway projects. The cost estimate submitted with this project have been developed by the County Engineer and will be used as the engineers estimate on the bid documents.
3	Materials / Supplies	751,160.00	0.00	751,160.00	These expenses are for materials needed to construct and reinforce the bridge.
4	Equipment Use Expenses	0.00	0.00	0.00	
5	Equipment Purchases	0.00	0.00	0.00	
6	Others	0.00	45,000.00	45,000.00	These expenses are for environmental review and permitting.
7	Indirect Costs	0.00	0.00	0.00	
<b>Total Program Expenses</b>		1,000,000.00	513,015.00	1,513,015.00	
<b>TOTAL DIRECT EXPENSES</b>		1,000,000.00	513,015.00	1,513,015.00	
<b>TOTAL EXPENDITURES</b>		<b>1,000,000.00</b>	<b>513,015.00</b>	<b>1,513,015.00</b>	

## Environmental Review Data Sheet (ERDS)

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### ITEM 1 and ITEM 2

#### ITEM 1

- a. ITEM 1 - Has a CEQA Notice of Determination (NOD) been filed for the Project?  Yes  No  
(Please select Yes or No)

#### ITEM 2

- b. Does the proposed Project include a request for funding for CEQA and/or NEPA document preparation prior to implementing the remaining Project Deliverables (i.e., is it a two-phased Project pursuant to Section 4970.06.1(b)) (Please select Yes or No)  Yes  No

### ITEM 3 - Project under CEQA Guidelines Section 15378

- c. ITEM 3 - Are the proposed activities a "Project" under CEQA Guidelines Section 15378?  Yes  No  
(Please select Yes or No)
- d. The Application is requesting funds solely for personnel and support to enforce OHV laws and ensure public safety. These activities would not cause any physical impacts on the environment and are thus not a "Project" under CEQA. (Please select Yes or No)  Yes  No
- e. Other. Explain why proposed activities would not cause any physical impacts on the environment and are thus not a "Project" under CEQA. DO NOT complete ITEMS 4 – 10

### ITEM 4 - Impact of this Project on Wetlands

Based on the information provided in the Initial Study and MND, potential environmental impacts of the project would be less than significant. Based on the analysis provided in the Initial Study, MND and the regulatory agencies involved with the project, the habitat and/or range of any special status plants, habitat, or plants would not be substantially reduced or eliminated. It is anticipated that removal of the low-water bridge from the creek bed will provide more environmental benefits than construction of the new Cache Creek Bridge will potentially harm the environment.

### ITEM 5 - Cumulative Impacts of this Project

Based on the analysis provided in the Initial Study and MND, there would be no potential cumulative impacts of the project. There are no other projects of this type or in this area being constructed or anticipated.

### ITEM 6 - Soil Impacts

The bridge project not have a significant effect on the environment and will not lead to soil erosion or the loss of topsoil. Changes in topography, landslides, or unstable soil conditions from this project are unlikely to occur. The bridge abutments will be built on the existing bedrock, which is not considered an expansive soil.

### ITEM 7 - Damage to Scenic Resources

The proposed project will not adversely affect scenic vistas. The alignment of the proposed bridge is significantly below the elevation of State Highway 16, so the bridge is not likely to be visible as cars pass above on the highway.

### ITEM 8 - Hazardous Materials

- Is the proposed Project Area located on a site included on any list compiled pursuant to Section 65962.5 of the California Government Code (hazardous materials)? (Please select Yes or No)  Yes  No

If YES, describe the location of the hazard relative to the Project site, the level of hazard and the measures to be taken to minimize or avoid the hazards.

**ITEM 9 - Potential for Adverse Impacts to Historical or Cultural Resources**

Would the proposed Project have potential for any substantial adverse impacts to historical or cultural resources? (Please select Yes or No)  Yes  No

Discuss the potential for the proposed Project to have any substantial adverse impacts to historical or cultural resources.

No Impact. The proposed project would not adversely affect any known significant historical, archaeological, or paleontological resources. As part of the environmental clearance for this project a National Environmental Protection Act (NEPA) Environmental Assessment was completed by the Bureau of Land Management Ukiah Field Office. As part the environmental review process the local Rumsey Band of Wintun Indians were consulted to determine if they have any concerns that this project will impact Native American or resources of historical significance. The Yocha De He tribe and county have consulted and agree that cultural resource monitors will be on site during construction to ensure that no undiscovered resources are disturbed..

**ITEM 10 - Indirect Significant Impacts**

No Impact. Based on the analysis provided in the Initial Study and MND, the project would not have substantial adverse effects on human beings, either directly or indirectly. This project does not conflict with any land-use plan, policy, or regulation. The project site is zoned as open space with a history of recreational uses. The proposed project is sited in an area zoned for open space and all of the surrounding properties are publicly owned. Construction of this bridge would not induce substantial population growth in the area, would not displace any existing housing, and would not displace any people.

**CEQA/NEPA Attachment**

Attachments:

[Initial Study/Mitigated Negative Declaration](#)  
[Draft NEPA](#)

## Evaluation Criteria

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### 1 Project Cost Estimate - Q 1. (Auto populates from Cost Estimate)

1. As calculated on the Project Cost Estimate, the percentage of the Project costs covered by the Applicant is 3

(Note: This field will auto-populate once the Cost Estimate and Evaluation Criteria are Validated.) (Please select one from list)

- 76% or more (10 points)  
 51% - 75% (5 points)  
 26% - 50% (3 points)  
 25% (Match minimum) (No points)

### 2 Natural and Cultural Resources - Q 2a., 2b., & 2c.

#### 2. Natural and Cultural Resources

- a. Natural and Cultural Resources: Species 5

Enter the number of special-status species that are known to occur in the Project Area

Number of special-status species 0

(Check the one most appropriate) (Please select one from list)

- No special-status species occur in Project Area (5 points)  
 One to five special-status species occur in Project area (3 points)  
 Six to ten special-status species in Project area (2 points)  
 More than ten special-status species occur in Project area (No points)

#### b. Habitat

- b. Natural and Cultural Resources: Habitat 5

Potential Effects on special-status species habitat (Check the one most appropriate)

Special-status species habitat is known to occur in the Project Area (if YES, enter number of species).. (Please select Yes or No)  Yes  No

Habitat for special-status species known to occur in Project Area (enter number of species)

Reference Document

(Check the one most appropriate) (Please select one from list)

- No special-status species habitat is known to occur in the Project area (5 points)  
 Habitat for one to five special-status species is known to occur in Project area (3 points)  
 Habitat for six to ten special-status species is known to occur in Project area (2 points)  
 Habitat for more than ten special-status species is known to occur in Project area (No points)

#### c. Cultural Resources

- c. Cultural Resources 4

(Check the one most appropriate) (Please select one from list)

- Project would provide additional protection to cultural sites (5 points)
- Project area has no known cultural sites (4 points)
- Identified cultural sites in the Project area will not be affected (3 points)
- Project impacts to cultural sites will be mitigated (No points)
- Project has unavoidable detrimental impacts to cultural resources (No points, Project application will be returned to Applicant without further consideration)

Reference Document

Draft NEPA Document

### 3 Diversified Use - Q 3.

3. The Project is designed to provide for diversified OHV use 4

(Check all that apply) Scoring: 1 point each, up to a maximum of 6 points (Please select applicable values)

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> ATV  | <input checked="" type="checkbox"/> 4X4                              |
| <input checked="" type="checkbox"/> M.C. | <input checked="" type="checkbox"/> Recreation Utility Vehicle (RUV) |
| <input type="checkbox"/> Snowmobile      | <input type="checkbox"/> Dune buggy, rail                            |
| <input type="checkbox"/> Other (Specify) |  |

Describe the nature of the facilities for each item checked above:

Rayhouse Road and the Knoxville Recreation Area have roads designated for OHV use year-round. There are no other facilities.

### 4 Publicly Reviewed Plan - Q 4.

4. Is there a publicly reviewed and adopted plan that supports the need for the Project? 5

(Check the one most appropriate) (Please select one from list)

- No (No points)  Yes (5 points)

Identify plan

- 1) The Yolo County Parks and Open Space Master Plan
- 2) The Bureau of Land Management Resource Management Plan and Environmental Impact Statement

### 5 Recycled Materials - Q 5.

5. The Project makes substantial use of recycled content building materials such as 5

- Materials diverted from landfills
- Recycled plastic lumber
- Fly ash content concrete

(Check the one most appropriate) (Please select one from list)

- No (No points)  Yes (5 points)

Explain 'Yes' response

The low-water bridge that is planned for removal is made of concrete. This project plans to use break-up the bridge concrete and use it as the protective amoring for the bridge abutments.

### 6 Sustainable Technologies - Q 6.

6. The Project makes substantial use of sustainable technologies such as: 0

- Alternative fuel vehicles and equipment

- Repaving with permeable asphalt
- Renewable energy sources (e.g., solar, wind)
- Low volatile organic compound emission materials (e.g., paint, sealants, carpet)
- Practices that meet U.S. Green Building Council LEED Silver standard
- Water efficient landscaping
- Low-flow plumbing fixtures
- Utilizing local building materials

(Check the one most appropriate) (Please select one from list)

- No (No points)  Yes (4 points)

Explain 'Yes' response

**7 Sustain Existing OHV Recreation - Q 7.**

7. The Project is designed to sustain existing OHV Recreation 3

(Check the one most appropriate) (Please select one from list)

- Project directly improves or sustains existing OHV Opportunity (3 points)  
 Project improves support facilities associated with existing OHV Opportunity (2 points)  
 Project involves construction of a facility associated with new OHV Opportunity (No points)

**8 Motorized Access - Q 8.**

8. The Project improves facilities that provide motorized access to the following nonmotorized recreation opportunities 6

(Check all that apply) Scoring: 2 points each, up to a maximum of 6 points (Please select applicable values)

- Camping  Birding  
 Hiking  Equestrian trails  
 Fishing  Rock Climbing  
 Other (Specify) [River Rafting]

**9 Public Input - Q 9.**

9. The Project was developed with public input employing the following 2

(Check all that apply) Scoring: 1 point each, up to a maximum of 2 points (Please select applicable values)

- Publicly noticed meeting(s) with the general public to discuss Project (1 point)  
 Conference call(s) with interested parties (1 point)  
 Meeting(s) with stakeholders (1 point)

Explain each statement that was checked

This has been on the agenda of the County Board of Supervisors twice in the past nine months for updates and to receive public comment. Also, it has been noticed as an agenda item for the County's Parks, Recreation and Wildlife Advisory Committee.

The county has hosted two meetings with stakeholders to discuss options for replacing the bridge.

**10 Utilization of Partnerships - Q 10.**

10. The Project will utilize partnerships to successfully accomplish the Project. The number of partner organizations that will participate in the Project are 4

(Check the one most appropriate) (Please select one from list)

- 4 or more (4 points)       2 to 3 (2 points)       1 (1 point)  
 None (No points)

List partner organization(s)

Yolo County, Bureau of Land Management, California Department of Forestry (CalFire), Capay Valley Fire Department, Tuleyome (a local non-profit), Whitewater Adventures (Commercial rafting operator), Cache Canyon River Trips (Commercial rafting operator)

**11 Primary Funding Source - Q 11.**

11. Primary funding source for future operational costs associated with the Project will be 5

(Check the one most appropriate) (Please select one from list)

- Applicant's operational budget (5 points)  
 Volunteer support and/or donations (3 points)  
 Other Grant funding (2 points)  
 OHV Trust Funds (No points)

Explain checked statement

The County Parks Department will be responsible for operation and maintenance of the bridge.

**12 Offsite Impacts - Q 12.**

12. Offsite impacts relative to the Project Area (e.g., sound, fugitive dust, runoff) have been addressed: 4

(Check the one most appropriate) (Please select one from list)

- No (No points)       Yes (4 points)

Explain 'Yes' response

This project will provide a net environmental benefit to the project area. However, the impacts that are anticipated will be mitigated. For example, the alignment of the bridge is likely to necessitate the removal of several trees. These trees will be replaced in the project area at a ratio of 3 to 1.

Best management practices as listed in the CASQA Handbook and regulated by the State Water Resources Control Board will be used to control OHV pollutants from entering Cache Creek.

**13 Riparian/Wetland Issues - Q 13.**

13. Does the Project Area contain Riparian/Wetland issues? 10

(Check the one most appropriate) (Please select one from list)

- No (10 points)       Yes (if yes - respond to item below)

The Project utilizes the following techniques to prevent damage to, or restore Riparian/Wetland areas

(Check all that apply) (Please select applicable values)

- Re-routes to divert trails away from Riparian/Wetlands areas (2 points)  
 Well documented evaluation and monitoring strategies (list reference document) (2 points)  
 Provide bridges instead of wet crossings (2 points)  
 Provide sanitary facilities (2 points)  
 Restrict public vehicular access in Riparian/Wetland areas by placing physical barriers (e.g., gates, fences, bollard, boulders) (2 points)

Reference Document