

Yuba IRWMP - YC-13 Project Solicitation Form¹

Please fill out the following information to the best of your ability/knowledge. Once the project has been received and a preliminary review completed, the project team will work with you to develop additional information.

Project Sponsor Contact Information

Lead Agency/Organization	Yuba County
Name of Primary Contact(s)	Daniel Peterson
Mailing Address	915 Eighth Street, Suite 125, Marysville, CA 95901
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Project Partners/Collaborators	

General Project Information

Project Title	Foothill Low Water Crossings
Project Total Budget, based on current knowledge	\$800,000
Project Funding Match, if any	\$80,000 (In-kind, project design would be completed in-house)
Total Project Funding Request	\$720,000
Can a detailed cost estimate be provided upon request?	Yes
Project Location (map if available)	Three locations: Indiana School Road, New York Flat Road, and Kelly Road
City/Community	Unincorporated Yuba County, near Challenge and Camptonville
Watershed/subwatershed	
Groundwater Basin	
Project Type (highlight in gray all that apply)	<ul style="list-style-type: none"> Conceptual Feasibility Study Study/Assessment Planning Engineering/Design Permitting CEQA/NEPA Facility Construction Restoration Monitoring Best Management Practices Acquisition Demonstration/Pilot Project

¹ Completed Project Solicitation Forms should be sent via email to Katie Burdick at admin@burdico.net

Project Description

Write a narrative briefly describing the project components and/or characteristics (maximum of 300 words).

Yuba County maintains three low water crossings across creeks in the foothills area. As they currently exist, the low water crossings are essentially a load of 4" to 6" rock placed in the stream bed, over which locals can drive when the water level is low. In all three locations, water depths during a rain event can exceed four feet. These high flow conditions wash out the rock, so the County annually maintains the crossings by replacing the rock.

The proposed project would install reinforced concrete box culverts to convey flows anticipated during the dry summer season and during minor precipitation events. Flows in excess of 120 cfm would still overtop the roadway. The portions of the low-water crossing adjacent to the box culverts would be filled with a base layer of 25-lb rock with a top layer of 1" diameter rock placed over the base layer.

I. Project Rationale/Issues Statement

Briefly describe the need for the project and the desired outcomes/deliverables (maximum of 200 words).

In all three locations, water depths during a rain event can exceed four feet. These high flow conditions wash out the rock, so the crossings are either unsafe to cross or unavailable to cross except for a few months during the summer. The County annually maintains the crossings by replacing the rock after the rainy season has ended. Thus, the crossings are only traversable between May and October.

Residents are unable to safely traverse these crossings during anything other than extremely low flows. The rock placed in the crossings creates upstream pools that have the potential to trap aquatic organisms. The proposed project would install culverts to convey flows anticipated during the dry summer season and during minor precipitation events. Furthermore, the culverts would allow the migration of aquatic organisms. Flows in excess of 120 cfm would still overtop the roadway. However, residents and emergency vehicles would be able to safely traverse these crossings during most times of the year.