

**REQUEST FOR ENGINEERING PROPOSAL**  
**BRIDGE REPLACEMENT PROJECT**  
**PLACERVILLE DRIVE BRIDGE AT HANGTOWN CREEK**

**INTRODUCTION**

The City of Placerville is inviting qualified firms to submit proposals to take this project thru the bidding process, including completion of a Preliminary Engineering Feasibility Report phase and perform Project Approval and Environmental Document (PA&ED) services (Task 1), preparation of the complete PS&E (Task 2), and Bidding and Construction Support (Task 3), all leading to the replacement of the Placerville Drive Bridge (State Bridge 25C0029), crossing Hangtown Creek. The Project is located about 0.7 miles west of where Placerville Drive crosses under Hwy. 50, and about 0.3 miles west of the Cold Springs Rd/Home Depot intersection with Placerville Drive, in the City of Placerville. The existing bridge was rated as "Functionally Obsolete" in the Caltrans Bridge Inspection Report dated August 10, 2012. A copy of the report is attached.

The City is looking for a highly qualified firms with complete knowledge of Caltrans Structure Design procedures, the Caltrans Local Assistance Manual and procedures, and the Federal Highway Administration (FHWA) Local Assistance Highway Bridge Program (HBP). The firm must also have substantial experience in California Environmental Quality Act (CEQA) / National Environmental Policy Act (NEPA) environmental review, documentation and permitting procedures. Experience in dealing with replacement of obsolete bridges, public outreach, preparation of environmental documents and bridges structures design is required.

The existing bridge is a narrow two-lane single span Concrete T Beam structure approximately 41 feet long by 28 feet wide. The new bridge is expected to be a simple span box girder or cast-in-place reinforced concrete prestressed slab approximately 85 feet in width, to include 4 lanes, median, shoulder/bike lanes, curbs, gutters, and sidewalks, a modern structure meeting current design standards. This width has been determined by the Placerville Drive Multi-Modal Study completed in 2009, which study is included as an attachment. The Hangtown Creek Comprehensive Watershed Plan, which included completion of a new hydraulic model for Hangtown Creek thru the City of Placerville, was completed in March 2012, and is also included as an attachment. In May 2013 the City received Highway Bridge Program (HBP) funds for a bridge replacement project to begin Preliminary Engineering, and copies of the application/scope definition form (Exhibit 6-A), the special cost approval checklist (Exhibit 6-B), the field review form (Exhibit 7-B), and the request for authorization to proceed with Preliminary Engineering (Exhibit 3-A) are attached.

Quincy Engineering was previously under contract with the City to develop PS&E for a bridge widening project at this location. Preliminary Engineering was originally authorized in 1997. Various challenges arose during the course of that work, including discovery of hazardous waste and cleanup (1999), State budget issues (2001-2003), Red-legged Frog habitat requiring additional studies and consultation with USFWS (2002-2004), accelerated

# Civil Engineering Research Proposal Sample

**JL Elias**



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