

# **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 firm 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 Proposal Examples

**S Ashworth**



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**Civil Engineer's Handbook of Professional Practice** Karen Lee Hansen, Kent E. Zenobia, 2011-03-31 A well written hands on single source guide to the professional practice of civil engineering There is a growing understanding that to be competitive at an international level civil engineers not only must build on their traditional strengths in technology and science but also must acquire greater mastery of the business of civil engineering Project management teamwork ethics leadership and communication have been defined as essential to the successful practice of civil engineering by the ASCE in the 2008 landmark publication Civil Engineering Body of Knowledge for the 21st Century BOK2 This single source guide is the first to take the practical skills defined by the ASCE BOK2 and provide illuminating techniques quotes case examples problems and information to assist the reader in addressing the many challenges facing civil engineers in the real world Civil Engineer s Handbook of Professional Practice Focuses on the business and management aspects of a civil engineer s job providing students and practitioners with sound business management principles Addresses contemporary issues such as permitting globalization sustainability and emerging technologies Offers proven methods for balancing speed quality and price with contracting and legal issues in a client oriented profession Includes guidance on juggling career goals life outside work compensation and growth From the challenge of sustainability to the rigors of problem recognition and solving this book is an essential tool for those practicing civil engineering

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*Conference Record* ,2004     **Public Works and Journal of Civil Engineering** ,1904     **Engineering & Contracting** ,1920     **Fire and Water Engineering** ,1923     Engineering Record, Building Record and Sanitary Engineer ,1883

**Proposal Planning and Writing** Lynn E. Miner, Jeremy T. Miner, Jerry Griffith, 1998-05-07 Annotation Nationally known grants experts Lynn Miner Jeremy Miner Jerry Griffith have thoroughly revised expanded their excellent self help book which is designed for first time proposal writers planners or for those who are without easy access to sources materials The authors use a concise straightforward approach relying on proven examples of how to find grants how to plan write submit proposals that get results They also share their streamlining techniques for submitting more proposals in less time provide a list of the most likely reasons proposals are rejected New to this edition is greatly expanded coverage of computerized grantseeking including World Wide Web resources Also new is a discussion of effective writing techniques

**Civil Engineering Education** ,1979     Transactions of the Association of Civil Engineers of Cornell University ,1930     **Bulletin - American Railway Engineering Association** American Railway Engineering Association, 1928 Vols for 19 include the directory issue of the American Railway Engineering Association     **An Introduction to the Economics of Civil Engineering** James Kip

Finch, 1942

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