

BRIDGES
General Scope of Work
“ON-CALL” Engineering Services

DESCRIPTION OF ARCHITECT-ENGINEER (A-E) SERVICES

I. A-E DESIGN SERVICES

“On-Call” A-E design services are being sought for the design of new bridges or widening, lengthening, and retrofitting of existing bridges including barrier rail replacement. Individual task requested of the A-E may include, but may not be limited to, the following:

- A. Project management and coordination with public and private agencies/entities;
- B. Preparation of Bridge Type Selection Report in accordance with Orange County/RDMD requirements;
- C. Preparation of construction plans, special provisions, and estimates for the project in accordance with the following:
 - 1. Orange County Highway Design Manual;
 - 2. Orange County/RDMD Standard Plans;
 - 3. Caltrans Bridge Design Manuals;
 - 4. Caltrans Standard Plans;
 - 5. Caltrans Standard Specifications;
 - 6. Standard Specifications for Public Works Construction, “Greenbook”;
 - 7. County supplements to the “Greenbook”;
 - 8. AASHTO Bridge Design Specifications as modified by Caltrans; and
 - 9. Orange County/RDMD CAD Manual – All CAD data needs to be delivered in Micro-Station format.
- D. Construction staging plan;
- E. Independent Check – bridge;
- F. Subsurface Geotechnical Information;
- G. Bridge scour study;
- H. Minor roadway or channel improvements;
- I. Other major structures;
- J. Right-of-Way needs; and
- K. Construction Support Services.

II. RDMD ASSISTANCE

To assist in the design and preparation of final plans and special provisions, RDMD will provide the following support:

- A. Project Overview;
- B. Utility Investigations - County of Orange/RDMD will provide initial and second (1st and 2nd) utility notices and determine prior rights and future needs. Notices to Relocate will also issued by County of Orange/RDMD if required. (A-E will be responsible for ensuring project compatibility with design or need to relocate said utility).

Additional support may be provided as deemed appropriate by RDMD staff and following selection of the A-E.

III. STATEMENT OF QUALIFICATIONS (SOQ) SUBMITTAL REQUIREMENTS

The submittal requirements are outlined in the RFQ for the on-call engineering service that is a companion document to this. Please note that the information contained within the SOQ shall be submitted in the order and to the format as described within the RFQ.

All STATEMENT OF QUALIFICATIONS for **BRIDGES** are due by **4:00 p.m. (Local Time) on (February 14, 2006)**, and shall be mailed or hand delivered to:

Mr. Richard Hoisington, Senior Bridge Engineer
RDMD/PW/Road Capital Projects – Bridge Design
300 N. Flower Street, 5th Floor
Santa Ana, CA 92702
(714) 834-4477