

**Project/Service:** General Hydraulic Engineering Services, Statewide

**Project No.:** HWY-DH-HE2021-02

**SCOPE OF SERVICES:**

The CONTRACTOR's services is required to conduct Scour Evaluation Reports (SER) for STATE and LOCAL PUBLIC AGENCY bridges throughout the State. It is anticipated the CONTRACTOR shall perform approximately 100 SERs.

Multiple project Assignments may be assigned within a short time span. The total amount for the Project Assignments shall not exceed the sum of FIVE MILLION AND NO/100 DOLLARS (\$5,000,000.00). Since the CONTRACTOR's services are to be provided on an "as required" basis, the amount of services requested by the STATE may be less than presently anticipated. The STATE makes no guarantee whatsoever as to the minimum amount of CONTRACTOR's services that will be required under this Agreement and no fee adjustment will be made if the amount of services requested is less than anticipated.

Work assignments will be issued to the consultant on an as-required basis and compensation will be based on agreed rates. Such work assignments shall be completed within the time period determined by the Highways Division.

Initially, the CONTRACTOR'S services may be required to provide all hydraulic engineering services necessary to complete the Scour Evaluation Reports but not limited to the following:

1. Conducting SERs according to the latest Hydraulic Engineering Circulars.
2. Conducting field investigations to determine information needed for National Bridge Inventory Item 113 rating. These may include Underwater investigations and Non-Destructive testing.
3. Obtaining and reviewing "as-built" plans and records on file with the Highways Division, Department of Transportation, and "as-built" plans with other agencies.
4. Obtaining applicable permits such as Section 404 Department of Army Permits and Section 401 Water Quality Certifications.
5. Providing support or obtaining clearances such as Section 106 of the National Historic Preservation Act, Section 7 of the Endangered Species Act, and Magnuson Stevens Fishery and Conservation Management Act. This will require biologists, historic resource specialists, and other environmental subcontractors.
6. Providing Geotechnical and Structural design and analysis services.

7. Development of a Scour Plan of Action and other scour related engineering services as determined by the Hawaii Department of Transportation.
8. Coordinating all activities with the Highways Division and attending all project coordination meetings concerning the work required under the Project Assignments.
9. Coordinating all work with applicable government agencies and utility companies.
10. This consultant will need to show that they possess the technical capability to perform the services listed above. It is anticipated the consultant will perform up to 100 scour evaluations by September 15, 2022. The majority of bridges are on Hawaii Island, but the Consultant may be asked to evaluate bridges on Oahu, Kauai, and Maui County.

**TOTAL PROJECT TIME:**

The term of the contract will be for five (5) years from date of Notice to Proceed.