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STATE PROCUREMENT OFFICE NOTICE & REQUEST FOR SOLE SOURCE

1. TO: Chief Procurement Officer
2. FROM: Transportation/Highways/Design Section
Department/Division/Agency

Pursuant to §103D-306, HRS, and Subchapter 9, Chapter 3-122, HAR, the Department requests sole source approval to purchase the following:

3. Description of goods, services, or construction:
See Attached

4. Vendor Name: BridgeComposites, LLC EIN 16-153 6861
Address: 121 Upper Bennett Street
Hornell, NY 14843

5. Price:
\$300,000

6. Term of Contract: From: 6/07 To: 6/09
(mm/dd/yyyy)

7. Prior Sole Source Ref No.

8. Feature: The good, service, or construction has the following unique features, characteristics, or capabilities: The use of FRP in highway bridges is a new and innovative technology that, if successfully demonstrated with this project, could prove extremely beneficial in future bridge construction, repair and rehabilitation projects in the state of Hawaii. The expectation is a lightweight, prefabricated structure that can be installed extremely fast and serve for many years without deterioration due to corrosion. The lightweight nature not only reduces the dead load imposed on the foundation but also facilitates transportation and installation. Elimination of the corrosion issue will reduce or eliminate maintenance requirements and reduce the life cycle cost of the structure.

Although FRP bridges have been used in other states, it is still relatively new, with approximately 27 in service. New York State installed the first FRP bridge a state highway in 1998. Mr. O'Connor initiated this project, and oversaw its construction and subsequent load testing. Since that time, he has been involved with nine additional projects that utilized FRP for the deck or superstructure. Because of his extensive experience in this specialized area of civil engineering, he has been invited to speak both nationally and internationally on the subject and has authored several publications. The technology transfer part of this research/experimental project will provide the much needed information and experience that the DOT needs to determine if FRP use in its bridges is justified. Mr. O'Connor will be able to make a valuable contribution to this project that is not available elsewhere.

9. Essential features. How the unique features, characteristics, or capabilities are essential for the agency to accomplish its work: See Attached

11. Alternate source. The following other possible sources for the good, service, or construction were investigated but do not meet our needs because:

- 1. Alternative FRP systems were investigated including lay-up FRP bridges, but preliminary research seems to show that these bridges may have long-term problems due to potential manufacturing defects that may not be readily apparent during construction.
- 2. Not aware of anyone else in the state of Hawaii that can adequately provide this service. UH Manoa, College of Civil Engineering was contacted, but does not have the expertise required of the principal investigator.
- 3. No other potential suppliers have the unique combination of earthquake expertise and experience with fiber composite bridges.
- 4. Others do not have experience with the type FRP bridge that was proposed in the

12. Direct any inquiries to:

Department: Transportation
Contact Name/Title: Paul Santo/Bridge Engineer

13 Phone Number:

692-7611

Fax Number:

692-7617

Expenditure may be processed with a purchase order: Yes No If no, a contract must be executed and funds certified.

Agency shall ensure adherence to applicable administrative and statutory requirements.

14 *I certify that the information provided above is to the best of my knowledge, true, correct and that the goods, services, or construction are available through only one source.*

Department Head 

3 23 07
Date

Reserved for SPO Use Only

15 Date Notice Posted: 4/5/07

Submit written objections to this intent to issue a sole source contract within seven calendar days or as otherwise allowed from the above posted date to: Chief Procurement Officer
State Procurement Office
P.O. Box 119
Honolulu, Hawaii 96810-0119

16. Chief Procurement Officer's comments:

DOT has stated that there are other alternative FRP systems, but DOT has determined that other FRP systems will not suit their needs. Since this does not meet the requirements of a sole source, this request is being returned without action. DOT may consider submitting an SPO-7 (Exemption from Chapter 103D, HRS) as an alternative.

17.

APPROVED DISAPPROVED NO ACTION REQUIRED

Alvin S. Fujita 4/11/07
Chief Procurement Officer Date

