

EXPLANATION OF CONSENT AGENDA ITEM E.1.c. (5) – April 15, 2015

ITEM:

Consideration of approving a purchase order to Dunkelberger Engineering and Testing, Inc. under their continuing services contract to provide pavement field review of the Northside Stormwater and Marine Terminal project in an amount not to exceed \$19,280.00 (Perley/Hicks)

EXPLANATION:

At the September 17, 2014 Commission Meeting, the Board approved the award of a contract to GLF for the 20 acre Marine Terminal project (Item E.1.c.(6)). The specifications allowed for multiple options for the base material that could be either limerock or soil cement. The contractor had included as part of his bid the option for soil cement. Testing for base material was included as part of the contract based on a specific quantity of material being installed. Due to the complexity of the base material being place for heavy duty use, staff was concerned with the testing and field review of the material being installed. Specific engineering expertise in geotechnical soil evaluation was recommend by the Engineer of Record for field review of the installation of the soil cement. The original Geotechnical Engineering firm that performed the soil borings of the northside marine terminal area was Dunkelberger Engineering. As this firm was already familiar with the soil condition of the project, staff recommends approving a purchase order to Dunkelberger for the field review of the soil cement installation.

Funding Review by Finance (Pat Poston):

The total NTE amount of \$19,280 is included in the FY15 Capital Budget and no increase is required. [Budget item 1571 - NS Land Improvements]

Staff Recommends Approval

Prepared by: David W. Perley AIC/CPE



February 13, 2015

DUNKELBERGER
engineering & testing, inc.
A Terracon COMPANY

Canaveral Port Authority
445 Challenger Drive, Suite 301
Cape Canaveral, Florida 32920

Attn: Mr. Dave W. Perley, AIC
Sr. Director, Construction and Infrastructure

Re: Supplemental Proposal for Pavement Consulting/Field Observation Services
Port Canaveral Marine Terminal and NCB6
Cape Canaveral, Brevard County, Florida
Terracon Proposal No. PH1140807

Dear Mr. Perley:

Dunkelberger Engineering and Testing, Inc., a Terracon Company (Terracon) appreciates the opportunity to submit this supplemental proposal to provide pavement consulting/field observation services for the above-referenced project. The purpose of these services will be to perform observations of the various steps of the subgrade preparation and pavement construction. This proposal outlines our understanding of the project and scope of services and provides a time and materials upset limit fee for our services.

1.0 PROJECT INFORMATION

Services are required for two projects:

“Northside Stormwater System & Minor Paving” (hereafter referred to as NCB6; pavement adjacent to the berth) and “Marine Terminal at NCB6.” GLF is the Contractor for both projects and has hired Terracon for their testing. Base course construction is expected to start in January 2015.

There will be 10 inches of soil cement base along NCB6 and CPA has elected to go with Additive Alternate #6 (19” soil cement) for the Marine Terminal project, where they will be stacking containers up to 5 high. Asphaltic concrete will be up to 6 inches in thickness for the Marine Terminal.

Dunkelberger Engineering & Testing, A Terracon Company 8260 Vico Court, Unit B, Sarasota, Florida 34240

P [941] 379 0621 F [941] 379 5061 dunkelberger-engineering.com/

Geotechnical



Environmental



Construction Materials



Facilities

2.0 SCOPE OF SERVICES

The project will consist of consultation and review of submittals for pavement construction. The reviews will include the following for each project:

- Field observations during the paving operations.
- Reviewing the contractor's submittals.
- Reviewing the testing results from Contractor's testing firm.
- Other pavement reviews yet to be identified.

3.0 SCHEDULE

We typically would like to have 2 to 3 days' notice of impending need for observations and testing, but we will make every effort to accommodate your needs.

4.0 COMPENSATION

We have estimated a work scope as outlined in the attachment, and with unit rates from our existing (Dunkelberger) Canaveral Port Authority contract, we have developed an estimate of fees for this project of \$19,280.00. Details of the estimate are below:

Principal Engineer	48 hours	\$ 175.00 per hour	\$ 8,400.00
Senior Engineer	8 hours	\$ 140.00 per hour	\$ 1,120.00
Project Engineer	8 hours	\$ 120.00 per hour	\$ 960.00
Senior Engineering Technician	160 hours	\$ 55.00 per hour	\$ 8,800.00
		TOTAL	\$ 19,280.00

The units in the attachment are an estimate for the purposes of establishing a budget. Actual man-hours in the various line items will vary under the upset limit as needed to provide service as needed.

5.0 AUTHORIZATION


To authorize this work please provide a work order to our existing subconsultant agreement.

We appreciate the opportunity to provide this proposal and look forward to the opportunity of working with you.

Sincerely,
Terracon Consultants, Inc.



Jay W. Casper, P.E.
Senior Associate



for
Douglas S. Dunkelberger, P.E.
Principal

cc: email'
Mr. William E. Crowe, P.E.