

EXPLANATION OF CONSENT AGENDA ITEM E.2.c.(13) December 16, 2015

ITEM:

Consideration of an increase to purchase order P17763 to CH2M under their general engineering services contract for additional fire flow and water system modeling for improvements to the Northside cargo areas including VSA-7 (aka Marine Terminal Phase II) and NCP3 & NCP4 in an amount not to exceed \$5,046.00. The total purchase order amount will now be \$509,302. (Crowe/Hicks)

EXPLANATION:

The construction of VSA-7 (aka Marine Terminal Phase II), North Cargo Berth 4 and North Cargo Berth 3 will require fire flow modeling as requested by the City of Cocoa Utility Department. The fire flow modeling of this area will determine the appropriate pipe sizes required to service potable water and fire water supply systems in this general area.

CH2M currently provides the water system modeling for the City of Cocoa's facilities. The engineer will be able to utilize the existing model to investigate various pipe sizes and hydrant flow requirements to satisfy the City of Cocoa's requirement.

Funding Review by Finance (Pat Poston):

The capital budget for this project 2240 was increased by approval in FY15. The total NTE amount of \$5,046 is included in the FY16 Capital Budget and no increase is required. \$93,000 of available funds will be reallocated to project 2241-Cargo Berth and Terminal Phase 3-NCB3, as there are design cost related to that project. There will be no increase required to the FY16 Capital Budget. [Budget item 2240 - Cargo Berth & Terminal Phase 2 & 2241 -Cargo Berth and Terminal Phase 3-NCB3]

Staff Recommends Approval

Prepared by: Bill Crowe, P.E.



November 24, 2015

Canaveral Port Authority
445 Challenger Road, Suite 301
Cape Canaveral, FL 32920

Attn: Mr. Bill Crowe, P.E.
Director of Civil Engineering and Construction

RE: Request for Increase to P17763
CPA 2015-31 North Cargo Berths 3 and 4 – Design and Permitting

Dear Mr. Crowe:

The Canaveral Port Authority has requested additional design services associated with the design of the North Cargo Berth 4 (NCB4) as authorized by the Board of Commissioners in July 2015 and by Purchase Order P17763. We request a fee increase of **\$5,046.00** for the following scope:

Scope of Work Services:

Using the water modeling software Innovyze InfoWater® GIS and with permission from the City of Cocoa, CH2M will perform an extended period simulation (EPS) on the City's model for the addition of an 8-inch hydrant manifold along Cargo Road. The manifold is requested by the CCFVD as fire-fighting apparatus for the north cargo area north of NCB4. Simulations for a new (8" vs 10") water line parallel to the west fence line of Hanson & Cemex and feeding the new manifold will be performed for the new manifold operating alone and for the new manifold operating along with the larger manifold on Grouper Road. The deliverables to CPA will be four signed/sealed reports and an electronic pdf copy. Coordination with the City and the CCFVD, permitting services, and preparation of construction plans are not included in the scope of services.

Price

The Consultant shall be paid on a cost basis in accordance with the original purchase order. This is a time and materials fee schedule based on 2015 rates. The requested increase is **\$5,046.00** as summarized below.

Table 1: Total Not-To-Exceed Budgets (U.S. Dollars)

Design and Permitting Task Item	ORIGINAL FEE (\$)	INCREASE REQUEST (\$)	REVISED NTE TOTAL (\$)
001 – NCP4	492,505.00	5,046.00	497,551.00
002 – NCP3	92,751.00	0.00	92,751.00
TOTAL	585,256.00	5,046.00	590,302.00

ACCEPTANCE

Acceptance of this purchase order modification may be indicated by the signature of a duly authorized official of the Port in the space provided below. One signed copy of this proposal returned to the Consultant will serve as an Agreement between the two parties and as Notice to Proceed. Should this proposal not be accepted within a period of thirty (30) days from the above date, it shall become null and void. Acceptance is subject to CPA PO and Continuing Contract Terms and Conditions.

Very truly yours,

Max Mozo, P.E.
Geographic Operations Manager
CH2M HILL

Accepted By:
CANAVERAL PORT AUTHORITY

Bill Crowe, P.E.
Director of Civil Engineering and Construction
Canaveral Port Authority

Date

Approved at CPA Commission Meeting on _____

LSB