



ADDENDUM # 2

**Roadway Improvement Project:
Old Oyster Point Road and Canon Blvd.**

IFB #2011-1818-0205

September 20, 2010

City of Newport News

OFFICE OF THE PURCHASING DIRECTOR

2400 Washington Avenue

Newport News, VA 23607

Phone: (757) 926-8032/ Fax: (757) 926-8038

www.nngov.com/purchasing

Sealed bids, subject to the conditions and instructions contained herein, will be received at the above office of the Purchasing Director, 4th Floor, City Hall, 2400 Washington Avenue, Newport News, Virginia, 23607, until the time and date shown below (local prevailing time), for furnishing the items or services described in the Invitation For Bid.

It is agreed and understood this and any following pages will constitute addendum # 2, and shall be made part of the IFB document. Acknowledgement, showing receipt and acceptance of the changes is to be returned in the manner specified above.

Note the revised submittal date and time below.

The Bid Submittal Date/Time is: **September 28, 2010 at 2:00 P.M.**

Contract Officer: _____

Handwritten signature of Greg Smith in blue ink.

Greg Smith, CPPB, C.P.M, Business Analyst C, gsmith@nngov.com

Company Name: _____

Print Name: _____

Title: _____

Signature: _____

Date: _____

The following responses to vendor submitted questions shall be applicable to the contract.

1. **Question:** Is there a VDOT Project# and FHWA#? This is needed for completing the VDOT Forms required for the bid.

City Response: Use VDOT form and leave the project number blank.

2. **Question:** For the uninterruptable power supply (UPS) requirement for this project, could you please supply the essential information for this requirement including but not limited to:

- Input and Output voltage
- KW or KVA requirement
- External Maintenance Bypass Required/Not Required
- Battery Run Time Requirement
- Battery Cabinet Requirement
- UL Requirement UL1776 or UL924
- Any desired Performance Characteristics
- Redundancy or scalability requirements
- Efficiency Standards
- Harmonic or THD limitations
- Monitoring Capability

City Response:

650 watts (minimum) of full control run time for four (4) hours (minimum).

-47° C to 74° C (-40° F to 165° F) operating temperature range

BBS bypass required

Input voltage range: 85 to 175 VAC

Output voltage:

- Regulation: +/- 10% over full input voltage range
- Waveform: Pure sine wave

Typical efficiency: >98%

Typical transfer time: <5ms

Features:

- Automatic voltage regulation
- Emergency power off input
- Three user inputs: self test, alarm, shutdown
- Logs historical events with time/date stamping

Cabinet:

- Side mounted design, shall be attached to the traffic control cabinet in at least two (2) points and be provided with an internal cabinet-to-cabinet wiring path.
- Doors: Hinges shall be stainless steel and continuous. Shall have a doorstop arrangement that will allow it to be firmly positioned at 90 and 135 degrees, +/- 10 degrees. The

locking system for cabinets shall be a three-point draw roller system. Rollers shall be fabricated from nylon with a diameter of at least 8/10 inch. The door opening shall be double flanged on all four sides. The door shall have a screened and louvered design to prevent rain entry, with a standard size furnace vent filter. The filter tray shall be sized to house and secure the filter in place. The screen shall be constructed from at least 0.0310-inch aluminum with 1/8-inch diameter openings positioned on 3/16 inch staggered centers. The screen shall be placed on the inlet side of the filter and held in place by the filter or silicone adhesive.

- Ventilation shall be louvers top and bottom with encapsulated bug screens, cleanable filters and a 100cfm fan to completely exchange air 25-time minimum per minute.
- Interior: Shall be of sufficient size to provide adequate ventilation of the equipment housed therein. Shall contain at least two adjustable shelves or equivalent supports, with enough space to hold batteries, wiring and related equipment. Shelves and vertical mounting channels shall be heavy duty and have sufficient strength to hold the batteries without deforming, bending or breaking. Wiring panels and terminal blocks shall be neatly finished and clearly and permanently marked. Conductors shall be neatly arranged and bundled in groups with cable ties. The bundled conductors shall not obstruct access to other circuits and terminals in the cabinet. A fluorescent lamp receptacle, fluorescent lamp and an ON/OFF door switch shall be located in the cabinet so that it provides unobstructed illumination of the interior of the cabinet. A momentary switch operated by the door shall be connected inline for operation of the lamp. The fluorescent lamp and switches shall be AC operated from the same line output of the Manual Bypass Switch that supplies power to the Traffic Signal Control Cabinet. Proper over current protection shall be provided for the fluorescent lamp circuit.
- Wiring: Wiring from the UPS to the traffic signal controller cabinet shall be accomplished via an adequately sized and edge-protected opening in the side of the cabinet attached to the traffic control cabinet such that all wiring power and alarm wiring may be passed into the UPS cabinet.

3. **Question:** Per line item 73 , Video detection equipment (2) each. In the list of items regarding Video Detection, Item #72 lists a quantity of (6) for “Video Detection Camera” while Item # 73 lists a quantity of (2) for “Video Detection Equipment.” Is it the intent of the City for contractors to provide enough “Video Detection” equipment to operate (6) cameras in total, including cameras and cabinet equipment.”

City Response: The video detection equipment quantity shall be 1. This one will include everything as listed to get all 6 cameras to function. [Note additional question and response below].

4. **Question:** Usually Newport News uses (6) “Video Detection Cameras” and (1) “Video Detection Equipment” on an intersection. This means (6) camera and enough equipment in the cabinet to accommodate a 6-camera system. For this bid you list (Item 73) a quantity of (2) for “Video Detection Equipment”. Should this be changed to a quantity of (1)?

City Response: Quantity for Bid Item #73 shall be revised to 1 EA. Replace pages B-5 and C-6 with the attached pages B-5 and C-6 (revised 09/20/10).

Revised pages B-5 and C-6 follow.

End of Addendum #2

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QTY</u>	<u>UNIT</u>	<u>UNIT COST</u>	<u>TOTAL COST</u>
58	4 SECTION TRAFFIC SIGNAL HEAD	2	EA		
59	5 SECTION TRAFFIC SIGNAL HEAD	1	EA		
60	HANGER ASSEMBLY SM-3, ONE WAY	12	EA		
61	14/7 CONDUCTOR CABLE	1020	LF		
62	2" CONDUIT (SCHEDULE 40 PVC)	640	LF		
63	TRENCH EXCAVATION ECI-1	60	LF		
64	BORED CONDUIT 2" (HDPE)	580	LF		
65	JUNCTION BOX, JB-S2	3	EA		
66	SIGN PANEL (ON MAST ARM)	7	EA		
67	INSTALL STREET NAME SIGN PANEL	6	EA		
68	FURNISH AND INSTALL EMERGENCY VEHICLE PREEMPTION, 1-WAY, M711	4	EA		
69	FURNISH EMERGENCY VEHICLE PREEMPTION, 1-WAY, M711	1	EA		
70	FURNISH 3M OPTICOM PHASE SELECTOR 754	1	EA		
71	EMERGENCY VEHICLE PREEMPTION DETECTOR CABLE	860	LF		
72	VIDEO DETECTION CAMERA	6	EA		
73	VIDEO DETECTION EQUIPMENT	1	EA		
74	CONCRETE FOUNDATION PF-1	4	EA		
75	TEST BORE (FOR SIGNAL POLE FOUNDATIONS)	4	EA		
76	FURNISH/INSTALL POLE MP-1 31' COMB. LUMIN, 1 ARM 70'	1	EA		

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