



## INVITATION FOR BID

City of Suffolk  
IFB #17062-CN  
February 15, 2017  
Purchasing Division  
442 West Washington Street, Room 1086  
Suffolk, VA 23434  
Phone: (757) 514-7522 Fax: (757) 514-7524  
<http://www.suffolkva.us/purchasing>

### ADDENDUM NO. 2

## Traffic Operations Center Upgrades

IFB No. 17062-CN has been amended to include the following additional information and clarification of specifications in response to questions posed at the Mandatory Pre-Bid Conference held on February 2, 2017 and any subsequent questions:

1. A designated lay-down area will be available adjacent to the work site.
2. Access to the building and project area will be provided to the successful bidder and coordinated with the City.
3. The list of attendees for the Mandatory Pre-Bid Conference held February 2, 2017 is included as Attachment B.
4. What is the preferred make and model of the equipment for each section in the Video Wall and video wall controller/processor?

**For DVMS software: Milestone XProtect platform, 360 Surveillance Cameleon, Genetec Omnicast, or approved equal**

**For video wall displays: Planar, Clarity, Christie, and Barco, or approved equal.**

**For wall controller: Crestron, Jupiter, Barco, and Clarity, or approved equal.**

5. Most sections require lump sum payment. Is there any flexibility to having progress billing? **Progress billing is acceptable.**
6. How would the end users like to control the VTC cameras? Using the handheld remotes or add in a custom control system?

**The Specifications call for "a system that is compatible with the existing teleconferencing system and controls that are on site currently." For reference purposes, the City is currently using Vaddio ClearVIEW HD-20SE VTCs and Crestron control panels in other parts of the complex.**

7. What is the model number of the video conferencing codec? Is it owner furnished or is the contractor responsible for providing it? Please also provide the quantity since there are 2 separate zones. Do the 2 zones need to have 2 separate and simultaneous VTC calls?

**See response above regarding the existing specified VTC. The Contractor is responsible for providing them as called for in the Specifications. The intent is to be able to conduct a unified VTC call using both VTC cameras.**

8. Where are the VTC cameras to be located? They are not shown on the floor plan drawings E302 & E304.

**They are shown on Sheet E304. See Box Note 3 callouts.**

9. Microphones types and quantities of microphones or number of participants aren't provided for the audio requirements during a VTC. Please provide the requirements.

**Microphone(s) are only needed at the conference table, which seats up to six people.**

10. Section 1.3, there is mention of modification of existing display, how many are there and where are they located on the drawings? These were not identified on the site survey. They are not shown on the floor plan drawings E302 & E304.

**They are located on Sheets E304 and E305. One is in the lobby of the Administrative Wing (Box note 8 on E304), and the other two are on Sheet E305.**

11. Section 1.1B #6, Display bezels should have no more than 19 mm bezel or mullion, what is the new requirement as newer video walls have much smaller mullions?

**This is the Specified Maximum. A smaller mullion is acceptable and encouraged**

12. Drawings E506, shows that the video wall should be powered locally at the display location. Please confirm this is correct as many video walls are powered remotely. Is the customer ok with the power being remote in the equipment racks?

**This is correct. However, remote powering from the equipment racks will be considered as long as no more than a half of a rack is consumed in the process. Any deviations from the Plans would need to be submitted for approval during construction, along with supporting power design calculations.**

13. Section 1.2B, salient features of this display describes a consumer level monitor that is not rated for extended use. We would prefer proposing commercial grade monitors capable of 24/7 usage but not capable of the 120Hz requirement. How should the AV contractor proceed?

**Adhere to the specification for bidding purposes.**

14. Part 2 Letter B Wall controller #1, does the AV contractor need to provide 100 separate encoders or a chassis based system with encoder cards or one processor that can receive individual streams and able to switch between 100 streams?

**The City is already capable of providing digital IP-based video streams. The contract is not requesting providing any analog-to-digital video encoders. The expectation is for a wall controller system that can receive and process/switch at least 100 simultaneous IP video streams.**

15. Please provide the decoding protocol required for compatibility with the cameras in the field. Or please provide make and model numbers of the cameras that are out in the field. Please provide the preferred decoding hardware make and model that would be required for the compatibility with the cameras in the field. Or would you be handling the decoding from workstations/servers/PCs that feeds the video to the video wall processors?

**The City is using the H.264 video compression format/protocol. The wall controller should be capable of decoding 18 streams consistent with the support for a "minimum of 18 output displays." Any additional simultaneous streams can be managed by the DVMS software on the workstations and servers and fed to the video wall from the specified RGB/workstation computer inputs.**

16. Part 2 Letter B, #2, indicates 12 simultaneous RGB video streams, RGB video streams are legacy video connectivity on video wall processors. Would you like these to be upgraded to digital signals that would be more capable of the newer processors?

**Digital signals will be considered as an approved-equal. Contractor will be responsible for coordination with City's Information Technology group for ensuring compatible ports are available on the City's workstations.**

17. How many video wall presets would the end user prefer as this will impact the programming & training man-hours needed?

**Contractor shall plan to accommodate a minimum of 8 video wall configuration presets in the base bid.**

18. Part 4 Letter A, How many set-top boxes are required and what is the preferred make and model that the customer currently has?

**Only one STB. As noted in the specification, the Contractor will coordinate with the CATV provider (Charter) to obtain the STB. This should not entail the Contractor purchasing the STB. The STB shall at least provide HD-quality video.**

19. Part 4 Letter A, Who is the current service provider for the city's cable TV and what service is under contract?

**Charter**

20. Part 5 L@ TOC Ethernet Switch, what is the expected "SAT" test plan? Can this test plan be provided to the AV contractor to determine man hours and skill sets require to complete?

**A Sample Draft Test Plan is attached, but may need to be adjusted based on the submitted system.**

21. How many training sessions will be required to support the 20 remote users as noted on 3.2 B, 2.d.

**A single training session is anticipated for all users. These users may be remote to the building, but within the City of Suffolk. Please also note the additional guidance regarding training in the Specifications:**

**"The duration of instruction shall be for not less than one 2 hour session for instruction of device operation and maintenance. Training will be considered incidental to the DVMS and associated equipment upgrades, and video wall maintenance/warranty wherein no separate measurement and payment will be made. The Contractor shall provide up to 2 hours of additional training coincident with annual preventive maintenance site visits. Travel will also be considered incidental, wherein no separate measurement and payment will be made."**

22. What is the preferred VTC codec or service that is used by the City for standardization? Does the city currently have a video communications head end system with MCUs, call managers, Telepresence management, and video communication servers?

**As noted above: The Specifications call for provide "a system that is compatible with the existing teleconferencing system and controls that are on site currently." For reference purposes, the City is currently using Vaddio ClearVIEW HD-20SE VTCs and Creston control panels in other parts of the complex.**

23. What is the anticipated start date and end date?

**Start date will be dependent on the official Award of the project, but the Procurement documents call for completion within 180 calendar days of Notice to Proceed.**

24. Can you furnish information on the style and manufacturer of the exterior insulated wall panels. A few need to be replaced when the exterior pair of doors to The Signal Equipment Room are removed. I would be nice to know who the original installing contractor is, they may need to install the new panels to keep your warranty intact.

**The existing exterior insulated wall panel is Nucor Building Systems, "All Weather Insulated Panels" #FL40, 2.5 inches thick, 40 inch wide, R-20, 22 ga (smooth) G-90 galvanized steel with PVDF finish coating (color to match existing).**

25. When the new ductbank conduit is installed (drawing E101) do you want a (narrow) trench cut in the sidewalk and patched back or do you want whole sections of the sidewalk replaced. If sections are to be replaced please provide a rough sketch.

**Replace whole sections of the sidewalk.**

26. Can you include notes in addendum #1 about:

a. There are no taxes/sales taxes for this project.

**The City is exempt from paying sales tax, however, the Contractor will be required to pay sales tax on any materials/supplies they purchase for the project.**

b. The Radio and Security contractors fees are not to be included in the bid.

**The City will pay for work under separate contracts as outlined in Specification Section 011000- Summary. The contractor for this project is responsible for coordinating the work under separate contracts.**

c. The construction permit fees are waived for this project.

**The Contractor will be responsible for obtaining any and all required permits/fees/licenses required to provide the work. The City DOES NOT waive any fees.**

d. Will the City of Suffolk provide Builder's Risk Insurance?

**The City DOES NOT provide Builder's Risk Insurance?**

27. Is the Domestic Water Piping section of the specifications just for condensate piping, or is there other water piping required?

**Water piping requirements are indicated on the drawings.**

28. Will CAD files be available to aid the contractors with preparation of their shop drawings?

**CAD files will not be available.**

29. Will the HVAC, outdoor, condensing units be placed on the existing asphalt pavement or will a concrete pad be needed? If needed please provide requirements.

**Concrete pad for outdoor condensing units is required and is indicated on the plans.**

30. Is the cost of the Video Wall maintenance contract to be included in the bid?

**The first two years, per the specification, shall be included in the bid.**

31. Does section 5/A101 only apply to the two doors in room 206?

**Yes.**

32. Please furnish manufacturers name and style of Static Dissipative tile

**Vinyl Composition Static Dissipative Floor Tile requirements are included in the specification. Color and pattern selection may not be required to match existing. Owner would like to select from manufacturer's available colors and patterns that meet the performance requirements.**

33. Please furnish manufacturers name, style and color of existing carpet tile

**Carpet requirements are included in the specification. Color and pattern selection may not be required to match existing. Owner would like to select from manufacturer's available colors and patterns that meet the performance requirements.**

34. The engineer was going to provide an update, where some of the electronic equipment was already relocated.

- **Contractor shall bid relocation of the existing electronic equipment per the plans and specifications.**

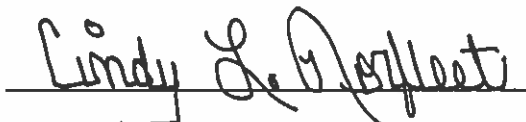
The following Attachments/Modifications are hereby included with the Invitation for Bid:

- Attachment A – Modification to Drawings/Specifications – Transportation Operations Center Upgrades
- Attachment B - Attendees at Mandatory Pre-Bid Conference on February 2, 2017

The Bidder will be required to acknowledge his/her receipt and acceptance of Addendum Number 2 on the BID FORM.

Bids will be accepted until 3:00 p.m. February 22, 2017 in the office of the Purchasing Agent, 442 W. Washington Street, Room 1086, Suffolk, Virginia 23434. (The Purchasing Division has recently moved from its location in the Finance Department.)

If you have any questions regarding this Addendum, please contact Cindy Norfleet, Senior Buyer, at (757) 514-7522.

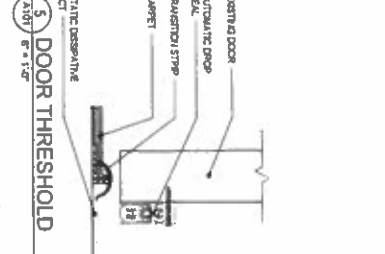
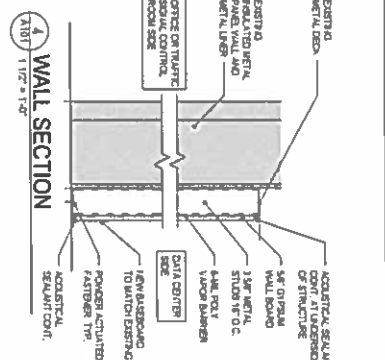
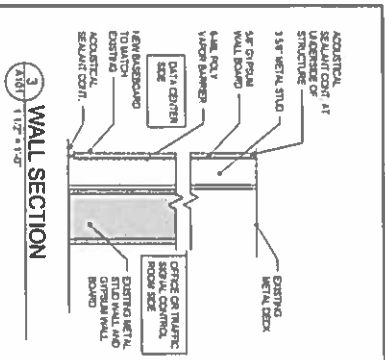
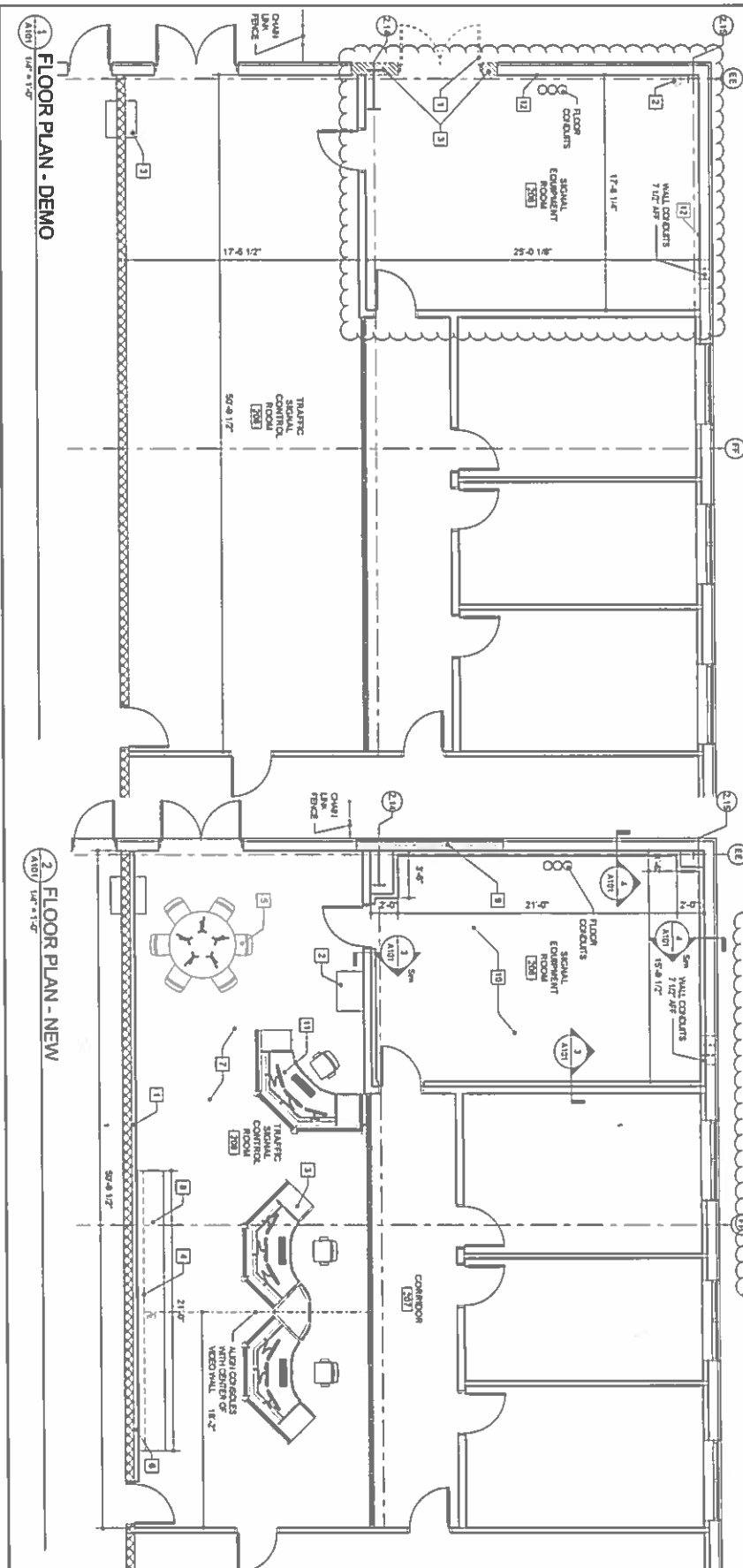
  
Cindy L. Norfleet, CPPB, Senior Buyer

# **ATTACHMENT A**

## ***Modification to Drawings/Specifications Traffic Operations Center Upgrades***

### **PERTAINING TO THE DRAWINGS**

1. **Refer to the attached reissued Drawing Sheet A101, which revises the Demolition Plan and Demolition Notes.**
2. **Refer to the attached reissued Drawing E-302, which revises the coordination requirements for the door security access control systems (provided under a separate contract to the City).**



- GENERAL NOTES**
- REMOVE SEAL FROM DOOR FRAMES AND GLASS FOR DOORS TO SIGNAL EQUIPMENT ROOM AND EQUIPMENT ROOM FLOOR.
  - PROVIDE DOOR CONTACT AND ALARM FOR DOORS TO SIGNAL EQUIPMENT ROOM AND EQUIPMENT ROOM FLOOR.
  - PROVIDE ALL DOORS TO SIGNAL EQUIPMENT ROOM AND EQUIPMENT ROOM FLOOR WITH SECURITY HARDWARE AND CARBON MONOXIDE DETECTOR TO COMPLEMENT SECURITY REQUIREMENTS WITH CITY'S SECURITY CONTRACTOR - COMMERCIAL SECURITY RESISTANCE INC. SEE DETAIL A101.
  - REMOVE ALUMINUM DOOR SEAL, DOORS TO SIGNAL EQUIPMENT ROOM FLOOR.
  - REMOVE EXISTING ALUMINUM DOOR WITH CONTACT SEAL.
  - REMOVE EXISTING ALUMINUM DOOR AND FRAME.
  - REMOVE EXISTING ALUMINUM DOOR AND FRAME.
  - REMOVE EXISTING ALUMINUM DOOR AND FRAME.
  - REMOVE EXISTING ALUMINUM DOOR AND FRAME.
  - REMOVE EXISTING ALUMINUM DOOR AND FRAME.
  - REMOVE EXISTING ALUMINUM DOOR AND FRAME.
  - REMOVE EXISTING ALUMINUM DOOR AND FRAME.
- KEYNOTES - DEMOLITION**
- REMOVE EXISTING INSULATED WALL PANELS, ALUMINUM DOORS AND REMOVE.
  - REMOVE EXISTING ALUMINUM DOOR AND FRAME.
  - REMOVE EXISTING ALUMINUM DOOR AND FRAME.
  - REMOVE EXISTING ALUMINUM DOOR AND FRAME.
  - REMOVE EXISTING ALUMINUM DOOR AND FRAME.
  - REMOVE EXISTING ALUMINUM DOOR AND FRAME.
  - REMOVE EXISTING ALUMINUM DOOR AND FRAME.
  - REMOVE EXISTING ALUMINUM DOOR AND FRAME.
  - REMOVE EXISTING ALUMINUM DOOR AND FRAME.
  - REMOVE EXISTING ALUMINUM DOOR AND FRAME.
  - REMOVE EXISTING ALUMINUM DOOR AND FRAME.
  - REMOVE EXISTING ALUMINUM DOOR AND FRAME.
- KEYNOTES - NEW WORK**
- 3/4\"/>
  - REMOVE EXISTING INSULATED WALL PANELS, ALUMINUM DOORS AND REMOVE.
  - REMOVE EXISTING ALUMINUM DOOR AND FRAME.
  - REMOVE EXISTING ALUMINUM DOOR AND FRAME.
  - REMOVE EXISTING ALUMINUM DOOR AND FRAME.
  - REMOVE EXISTING ALUMINUM DOOR AND FRAME.
  - REMOVE EXISTING ALUMINUM DOOR AND FRAME.
  - REMOVE EXISTING ALUMINUM DOOR AND FRAME.
  - REMOVE EXISTING ALUMINUM DOOR AND FRAME.
  - REMOVE EXISTING ALUMINUM DOOR AND FRAME.
  - REMOVE EXISTING ALUMINUM DOOR AND FRAME.
  - REMOVE EXISTING ALUMINUM DOOR AND FRAME.

ISSUED FOR: **MARK DATE:**  
**BIDDING AND CONSTRUCTION** 11-17-16  
 ADDENDUM 2 02-14-17

**A101**  
 1/20/13/01

SUFFOLK TOC UPGRADES  
**TRAFFIC OPERATIONS CENTER**  
 SUPPLEMENTAL

**FLOOR PLANS**

HBA ARCHITECTURE & INTERIOR DESIGN, INC.  
 ONE COLLEGE CENTER, SUITE 1000  
 VIRGINIA BEACH, VIRGINIA 23462  
 PHONE: (757) 480-8048  
 FAX: (757) 480-7081







# **ATTACHMENT B**

## ***Pre-Bid Conference Attendees***

# PRE-BID CONFERENCE

Transportation Operations Center Upgrades

2:30 p.m. February 2, 2017

	NAME	COMPANY	PHONE NUMBER	FAX NUMBER	E-MAIL
1.	Cindy Galletti Jon Chambers	CITY OF SUFFOLK Kimley-Horn City	757-514-7522 757-213-8620 514-7603	514-7524	CINDYG@SUFFOLKVA.US jon.chambers@kimley-horn.com
2.	Robert Lewis	Horizon Construction Development Simples Grinnell	757-774-1578 757-448-6654	923-2491 483-8811 853-6704	robert.lewis@horizonconst.com frank@simplesgrinnell.com
3.	Richard Doucette	GALAXY CONSTRUCTION	421-2305	421-2306	GALAXYCONSTRUCTION2001@yahoo.com
4.	Denny Hernis	PO. PATRICK ENTERPRISES	757-525-7767	N/A	denny.hernis@patricks.net
5.	Byron Wright Zoe Thornbuckley	GBR Const. Inc Shoreline Ind.	757-342-6899 757-397-9877	757-968-5082 757-397-9878	byronwright@claster.net Shorelineind@AOL.com
6.	Ben Harrah	Virtexo	757-466-1114	757-466-1115	bharrah@virtexo.com
7.					
8.	CHARLEY WHITE	SPACE MAKERS	757-640-8100	757-640-8640	Estimating@spacemakers.net
9.	Grace Washington	Horizon Construction Database	757-236-0589	757-483-8811	hwashington@horizonconst.com
10.	Riverz Brewer	Whitlock	757-802-4906	N/A	brewer@whitlock.com
11.	Jim Witzigman	Whitlock	757-802-4905	N/A	witzigman@whitlock.com
12.	Jenny Barton	Fire Solutions Inc	804-752-2366	804-752-7879	jennyb@firesolutionsinc.com

483-3823

14.	SHERMAN HOLLAND	TEAM HENRY ENT	757-40-8588	BOULDER@TEAMHENRYENT.COM
	Andre Clark	Team Henry ENT	757-305-2092	a.clark@TeamHenryEnt.com
15.	DE MITRIAL	HBA APRENTICE	797-190-9048	DEMITRIAL@HBA.COM
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				