

Addendum #5

INVITATION FOR BIDS



**PUBLIC SAFETY BUILDING RENOVATIONS
HARDWARE AND DETENTION ELECTRONIC CONTROLS**

IFB # 2010-3574-1905

January 14, 2010

City of Newport News

Office of the Purchasing Director

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Please note the following changes:

The bid date has been changed to: February 2, 2010 @ 3:00 PM

Clarifications and changes are on the following pages and shall be considered part of the specifications.

Acknowledge and return with bid.

Company Name: _____

Signature: _____ Date: _____

Descriptions of changes:

All TY sheets are being re-issued with the Addendum for clarity:

Additionally there have been some minor revisions/clarifications made on the following sheets:

- Sheet TY101 – Clarified requirements for tie-in of existing door conduits and controls
- Sheet TY104 - Clarified requirements for feeder from panel M to panel DCP and relocation of equipment
- Sheet TY108 – Clarified Main control room equipment relocation/placement
- Sheet TY200 - Clarified Main control room equipment relocation/placement

Responses to Questions/Issues posed to City of Newport News

1. Clarity of the interface and work related to the Adult Detention Expansion Facility(Annex):
 - Note that the cover sheet G001 Site Plan indicates the location of the Adult Detention Expansion Facility(Annex) and the connection to the facility is done via fiber optic cable through a tunnel which is already installed and in place.
 - Sheet TY108, 4th floor notation and Specifications Section 1.01 and 3.11 notes that the existing touch screen shall be utilized as a spare for the new door control work in PSB. This shall be true (in reverse) for the new touch screen as well. The new touch screen will primarily control the doors under this contract, but the software will be configured to allow the owner to use it as an optional back-up (in the future) for the annex building.
2. In PBS what are the current systems in place that will have to be interfaced with new control systems?
 - For now, door control only, but provide the capability to interface to the existing intercom and CCTV systems in the future. (note: for the booking area, see sheet TY101 notation and TY108 first floor notation, and TY109 detail 2 notation).
3. Could an approach of replacing rather than interfacing be acceptable to maintain better control of the new install?
 - It is assumed that this question pertains to replacing the equipment and the software already installed. This is acceptable as long as the new system complies with section 3.11 in all aspects.
4. Manual Release Cabinets - Where are the manual release cabinets for the sliding devises located? In the specs the hardware set has a note to refer to the architectural drawings for the location of the manual release cabinets. I did not see where the cabinets were located on the drawings. Please advise.
 - 1st Floor – (1) MRC located on the wall by Door Tag #164 to operate Door tag #164, thru #177, (1) MRC located on the wall by Door Tag #162 to operate Door Tags #158 thru #162, (1) MRC located on the wall by Door Tag #193 to operate Door Tags #190 thru #193, (1) MRC located on the wall by Door Tag #181 to

operate Door Tags #178 thru #181, (1) MRC located on the wall by Door Tag #1107 to operate Door Tags #1103 thru #1107, (1) MRC located on the wall by Door Tag #1102 to operate Door Tags #199 thru #1102, (1) MRC located on the wall by Door Tag #182 to operate Door Tags #182 thru #184, (1) MRC located on the wall by Door Tag #198 to operate Door Tags #196 thru #198, (1) MRC located on the wall by Door tag #121B to operate Door Tags #155 and #156 and one (1) MRC located on the wall close by Door Tag #188 to operate #187 and #188.

- 2nd Floor – None Required
 - 3rd Floor – None Required
 - 4th Floor – None Required
 - 5th Floor – (1) MRC located to operate Door Tags #521B, #522B & #532B, (1) MRC located on the wall to operate Door Tags #529B & #530B.
 - 6th Floor – (1) MRC located to operate Door Tags #617B, #618B & #619B, (1) MRC located on the wall to operate Door Tags #623B & #624B.
 - 7th Floor – (1) MRC located to operate Door Tags #718B, #719B & #720B, (1) MRC located on the wall to operate Door Tags #723B & #724B.
5. Does detention door hardware set number 1 have any pulls, threshold or any other misc. hardware?
- There are no new hardware pulls or accessories required for these existing sliding bar grill doors. Contractor must modify these existing bar grill doors to work with new hardware/systems as required per documents

Additional Clarifications from Pre-Bid Mandatory Meeting

1. The existing door control relays can be found in various chases, junction boxes, and cabinets throughout the building. There is no way to determine where the existing relays will be found. The doors controls should congregate at a central main location and/or a centralized auxiliary location. There are two such locations that currently exist in PSB. One is at the booking desk (which will be modified and remain) and the other is at the existing console at main control (the console will be modified, but the components will be relocated to the Main Electronics Cabinet---MEC---in the same room). The two areas (main control console and booking console) must communicate with each other, and communicate with the new MEC, and communicate with the existing server located in the annex building.
2. An existing door that has its hardware upgraded and/or its control moved from mechanical devices (pushbutton and pilot light in the console) to the touch screen graphic will need to have its wiring routed from the door to the new relay location. For existing doors, the best way to do this is to “intercept” the conduit as it routes towards a chase; then it will be taken to a junction point that is attached to the main riser conduits. The main riser conduits will connect to the MEC (except for those doors referenced at the booking console). The details on sheets TY109 and TY110 show which doors are new, which ones are existing, and which doors must be “intercepted.” New door wiring can be

combined in new riser conduits (but the exact sizing of the new conduits, their location on each floor, their junction points and the exact requirements must be designed by the SSC as per spec section 1.02 F,G,H,I, & J). The bidder should note that numerous core drills must be made through the building floors to accomplish this. Coordination with the GC and the owner regarding drilling water, noise, location of cores, power, equipment set-up, etc. Is paramount.

3. The consoles at main control and booking must be modified. It is undetermined if some of the existing door wiring is not relay controlled, but instead hardwired directly to the mechanical devices (pushbuttons, etc). It is thought that some relays, power supplies, etc, may be located in the consoles rather than the chases. All components (pushbuttons, pilot lights, relays, etc) will be removed from the 5th floor main console. New metal blank filler panels (quantity as required) will be installed. The new relays, power supplies, terminals, plc, etc. Will be located in the new Main Electronics Cabinet (MEC) on the 5th floor. Reference TY108 and TY200.

A new PLC and relay backboard (complete with panduit wire-duct, terminals, power supplies, fuses, etc) will be installed in the booking console. The existing pushbuttons and indicator lights will be re-used and reconnected to the new backboard. Reference sheet TY101 and TY200.

All TY Sheets have been posted as Attachments to the “Solicitation Tracker” on the Purchasing website (www.nngov.com/purchasing).