

June 22, 2020

ADDENDUM NO. 3

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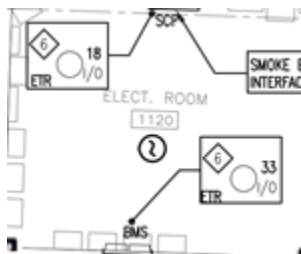
MHT- Terminal Fire Alarm System Replacement Project – Bid Documents

To: Bidders and All Others to Whom Bidding Documents have been issued.

All items in this addendum shall supersede or clarify the Bidding Documents as originally issued. The cost of the Work of all trades affected by the changes in this Addendum shall be included in the Base Bid or Alternates, on the Proposal Form, as applicable. Failure to do so may subject the Bidder to disqualification. This Addendum forms a part of the Contract Documents. It supplements and/or modifies them as follows:

Questions:

1. Section 00 41 03 Bidder Qualifications. List the construction projects the organization has complete d in the last five (5) years. Attach a schedule showing: gross contract amount; actual start and completion dates; percent sublet; name and address of client; name and phone number of persons supervising for the client.
It is acceptable to provide a list of projects of similar size and scope with the corresponding information for the past five years.
2. Please confirm the existing FACP in Comm Center 1180 can serve as a junction box.
Negative. The existing FACP located in Comm Center 1180 will be removed. All circuits and terminations shall be rerouted through a new Terminal Cabinet in accordance with Keynote #4 shown on drawing FA1.4D.
3. Please confirm that it may be necessary to work off hours to complete certain aspects of the project so as not to interfere with Airports operations.
Bids should be based upon "regular" working hours, which will be defined as 6AM-6PM. Every effort will be made to keep hours to "regular" working hours. We ask that all bidders carry 40 hours of premium time in the event that MHT has restricted areas that may need "off hour" access such as the Communications Center. Bidders are asked to submit a rate sheet that includes the Site Supervisor, Construction Manager, Lead Installation Technician, Installation Technician #2, Other. The 40 hours of premium time should be divided as follows:
 - *20% or 8 hours for a Site Supervisor*
 - *50% or 20 hours for a Lead Installation Technician*
 - *30% or 12 hours for an Installation Technician #2*
4. Are all of the Speakers shown on the Fire Alarm plans sourced from the Fire alarm amplifiers or are some of them part of a public address system?
All speakers shown are intended to be served from the Fire Alarm System.
5. Is the current Fire Alarm Workstation (shown in Comm. Center 1180) running the FireWorks software?
Yes.
6. Do the numbers "18" and "33" indicate quantities of Inputs and/or outputs?



These are combination of Outputs and Inputs. Refer to the points list provided for additional detail.

7. How many Zones are required for the Kingfisher Radio Box?
Provide a twelve (12) zone transmitter to match existing
8. TC/IP CONNECTION: WHAT IS IT INTERFACING WITH. WHAT PROTOCOL WILL BE NEEDED FOR COMMUNICATION.
Refer to 283110 2.10 C. for TCP/IP connectivity specifications. Intent is to support integration with a future web-based application (Everbridge, Singlewire or similar DRMNS) using SMS, SMTP or custom API protocol.
9. LINE LEVEL AUDIO OUT FOR INTERFACE WITH AIRPORT MASS NOTIFICATION SYSTEM. PROVIDE DATA SHEET FOR INTERFACE SYSTEM. WHERE IS THE INTERFACE LOCATED? CAN IT COME OUT OF THE ELECTRIC ROOM PANEL?
Provide a minimum of one-line level audio output from the Fire Command Station/Annunciator located at the Communications Center as shown on FA4.0.
10. WHAT ARE THE VOICE MESSAGES THAT WILL BE REQUIRED?
Refer to spec section 2.03 B. Provide one pre-recorded evacuation message to match existing, with expansion capability for future custom mass notification alerts.
11. FIREWORKS WORKSTATION: IS THIS TO BE THE UL LISTED VERSION (UL VERSION IS LISTED TO HAVE CONTROL OVER THE FIRE ALARM SYSTEM) IF YES, WILL THE COMPUTER NEED TO BE A UL LISTED COMPUTER? IS IT INTENDED TO HAVE ONE WORK STATION WITH CONTROLS AND OTHER WORKSTATIONS FOR VIEWING ONLY? WILL UP TO DATE AUTOCAD OF THE FACILITY BE PROVIDED?
Yes. Refer to 2.10 B. The workstation is intended to be a UL-listed primary operator's workstation, which will also support client software integration for event annunciation and integration with the MHT Security Management System. Current Autocad files will be furnished.
12. VERIFY THE REQUIREMENTS FOR THE FOLLOWING:
Refer to specification section 2.01, 2.02 and 2.03.
 - a. ONE BACK UP AMP PER PANEL
Confirmed. Provide one backup amplifier per panel.
 - b. ONE EXTRA DATA LOOP (SLC) PER PANEL (OR ROOM)
Minimum one loop per panel/node - subject to the required point capacity allowances and provisions.
 - c. TWO SPEAKER CIRCUITS SPARE PER PANEL (OR ROOM)
Minimum two circuits per panel - subject to the # of existing circuits to be accommodated plus spare capacity.
 - d. ONE BOOSTER SPARE PER PANEL (OR ROOM)
Match existing quantity and capacity, plus minimum of 25% spare capacity allowance.
13. EXISTING SPEAKER CIRCUITS AND STROBE CIRCUITS ARE CLASS B. IS THE INTENT TO HAVE ANY NEW SPEAKER CIRCUITS BE CLASS A AND EXISTING CIRCUITS TO REMAIN?
No; Match existing wiring methods.

14. THE DEVICES ON THE PRINTS AND THE LIST FROM ADD #2 PROVIDED DO NOT MATCH THE PROGRAM. WE ASSUME WE WILL HAVE TO PROVIDE WHAT IS EXISTING PER THE ACTUAL PROGRAM LIST. IN THE CASE OF A DEVICE BEING ON THE PRINTS AS EXISTING AND THERE IS CURRENTLY NO DEVICE THERE, ARE WE RESPONSIBLE FOR PROVIDING THE DEVICE?

Yes; match most current points list data provided.

15. CLARIFY SPEC SECTION 1.01.2b & d, ARE WE TO ADD ADDITIONAL DEVICES TO MEET THESE SECTIONS (PULL EVERY 200" IF NONE, SMOKE AT EVERY FIRE BARRIER DOOR)

Match existing devices and new devices shown on plan, which will satisfy the referenced specification sections.

16. IF THERE ARE EXISTING FIRE SMOKE DAMPERS THAT DO NOT CURRENTLY HAVE MONITOR MODULES OR CONTROL RELAYS AT THEM, ARE WE RESPONSIBLE FOR MEETING SPEC SEC 1.12.4.b AND 1.13.B.2

No; The intent is to replicate and match existing sequences and interfaces. Language referenced would only apply in the event that new HVAC equipment or Fire/Smoke Dampers are being installed (not currently applicable).

17. IS IT THE INTENT TO ADD ADDITIONAL MODULES TO MONITOR OR CONTROL THE SMOKE CONTROL INTERFACE TO COMPLY WITH ABOVE REFERENCED SPEC SECTIONS ? IF SO, WE WILL NEED A PRINT WITH THE FSD'S SHOWN AND THE SEQUENCING REQUIRED

No: see response to #16

18. RACK MOUNTED COMPUTER SPEC SEC 2.10.b3.e NETWORK INTERFACE. WHAT IS THE REQUIRED NETWORK INTERFACE? FIREWORKS REQUIRES A CAT 5 CABLE TO THE FACP. IS THERE ANOTHER INTERFACE THAT WILL BE REQUIRED?

The network interface specified is intended to allow the workstation to be operate as a Node on the proprietary FA network. Note any exceptions or deviations

19. The Airport will supply contracted labor for Firewatch @ \$60/hr charged to the contractor.