ENGINEERING DEPARTMENT

ADDENDUM TO THE CONTRACT

for the

Bartlett Regional Hospital (BRH) Server Room
Fire Suppression System
Contract No. BE18-171

ADDENDUM NO.: **ONE**

CURRENT DEADLINE FOR BIDS:
March 7, 2018

PREVIOUS ADDENDA: **NONE**

ISSUED BY:

City and Borough of Juneau
ENGINEERING DEPARTMENT
155 South Seward Street
Juneau, Alaska 99801

PREVIOUS DEADLINE FOR BIDS:
March 5, 2018

DATE ADDENDUM ISSUED: **March 1, 2018**

The following items of the contract are modified as herein indicated. All other items remain the same. This addendum has been issued and is posted online. Please refer to the CBJ Engineering Contracts Division webpage at: http://www.juneau.org/engineering_ftp/contracts/Contracts.php

QUESTIONS AND CLARIFICATIONS:

Question 1: *"In SECTION 212200 – CLEAN-AGENT FIRE EXTINGUISHING SYSTEM, PART 1 GENERAL, Article 1.4 SUBMITTALS, Sentence J. Maintenance/service Contract, Paragraph 2, under maintenance/ service contract, it states that contract is to include "Reimbursement for refill service if the release is not the result of a system malfunction." Is this to indicate that if the system discharges due to a fire or a pull station activation, that the contractor will be responsible for the recharge, but not in the event of a system malfunction?"*

Response 1: See revision to Project Manual, Item No. 1

Question 2: *"Will a conventional detection actuation FACP be allowed to control the clean agent system and report to the building FACP?"*

Response 2: Yes, but this panel will need to be integrated with the existing building FACP per the contract documents.

Question 3: *"Are there any raised floors or drop ceilings in any of the subject rooms?"*

Response 3: There are no raised floors. There is a drop ceiling in room 2425 at a height of 8'.

Question 4: *"What are the room heights of each room, including any dimensions for raised floors and drop ceilings?"*

Response 4: The height from floor bottom of concrete is 11' in both level 1 and level 2 in this area of the building. There is an 8' high ceiling grid in room 2425 and an 8' high gypsum board ceiling in room 1131. There is no ceiling and the bottom of deck is exposed in room 2402B.

Question 5: *"If there are drop ceilings, is detection and protection required both above and below or below only?"*

Response 5: Room 2425 has a drop ceiling. Detection and protection is required above and below this ceiling.

Question 6: "*How does the portable cooling/ventilation unit operate, does it shut off the circuits, and will this affect other systems?"*

Response 6: This is addressed in general project note 5 on E1. It occurs at the circuit breaker which is currently dedicated to this unit.

Question 7: *"There is no automatic damper for the outside air connection for the portable AC unit in room 2402B. This will not allow for the room to pass a pressure test."*

Response 7: See Drawings, Item No. 1

Question 8: *"Will a conventional detection actuation FACP be allowed to control the clean agent system and report to the building FACP?"*

Response 8: The specification does not restrict this option. The documents require compliance with NFPA 2001 specifically and NFPA 72 generally.

Question 9: *"What voltage operates the automatic dampers?"*

Response 9: Damper operation occurs with fire detection and the initiation of suppression. Thus, they are a part of the suppression system. The damper actuator voltages need to be coordinated with the fire suppression system controls.

Question 10: *"What action will shut the automatic dampers? No devices are shown for this function?"*

Response 10: The smoke detectors and manual pull station actuate the fire suppression system. Initiation of the fire suppression system requires that the dampers close to retain the suppression product within the room.

Question 11: *"What distance will the dry type transformer have to move in Electrical Room 1131 to accommodate the suppression tanks? Will the existing raceways and conductors be able to be reused?"*

Response 11: The relocation distance is short. The exact distance should be determined in the field, based on the requirements for the agent fire suppression tanks.

Question 12: *"Will new floor penetrations be required to mount the transformer? If so, are there raceways in the slab to avoid or hazardous materials that we may not be able to drill into?"*

Response 12: That should be evaluated in the field. There are no known hazardous materials.

Question 13: *"What cabling is required from the new fire suppression panel to the existing fire alarm system?*

Response 13: This needs to be coordinated with the fire suppression system supplier. It is dependent on the product proposed.

Question 14: *"Where is the notification appliance circuit to be derived?"*

Response 14: This needs to be coordinated with the fire suppression system supplier.

Question 15: *"Where are the abort stations located for this system?"*

Response 15: The drawings illustrate the locations. Their operation is identified in General Project Note No. 3 on Drawing E1.

Question 16: *"Do you have a panel schedule to verify room for swapping out N22E1-23,25 to a shunt – trip breaker? These breakers typically take an additional space for the shunt trip coil."*

Response 16: A panel schedule is not provided. This will have to be evaluated in the field.

Question 17: *"Will an additional circuit for the shunt trip action be required as well?"*

Response 17: This needs to be coordinated with the fire suppression system supplier.

Question 18: *"Do you have the make and model of the existing panel for pricing the correct breakers?"*

Response 19: This should be determined in the field.

Question 20: *"Will there be any need for penetrations through the floor for electrical work connecting room 2425 detection to room 1131 agent tanks, coil supervisory module or maintenance switch?"*

Response 20: This should be determined in the field.

Question 21: *"I spoke with one of the fire alarm designers looking at this project and they mentioned the need for a number of devices not on the drawings included but not limited to:*

a. Horn strobes external to these rooms

b. Additional power supplies

c. 120v circuits not indicated on the drawings (for power supplies and smoke dampers)

d. Additional smoke detection due to lack of coverage

e. Relay modules required for smoke damper actuation

f. Additional smoke dampers in the cooling/ventilation unit due to it bringing in outside air"

Response 21:

a. The hospital has a fully configured system that complies with the codes. Drawing E1, General Project Note No. 1 identifies the product name and model. As stated in the documents, the fire suppression systems shall integrate with this system.

b. Whatever is required for these systems should be provided with this project to ensure fully functional operation.

c. This needs to be coordinated with the fire suppression system supplier.

d. Ultimately, code compliance is required. Coordinate with the fire suppression system supplier.

e. This needs to be coordinated with the fire suppression system supplier.

f. Ultimately, code compliance is required. Coordinate with the fire suppression system supplier.

Question 22: *"How do we address these additional devices not shown."*

Response 22: Code compliance is required. Ensure operational functionality is provided per the codes.

PROJECT MANUAL:

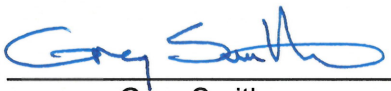
Item No. 1 SECTION 00030 - NOTICE INVITING BIDS. DEADLINE FOR BIDS.

Change the date of the Deadline for Bids ***from*** March 5, 2018 ***to*** March 7, 2018. The time and bid opening place remains the same.

Item No. 2 SECTION 212200 – CLEAN-AGENT FIRE EXTINGUISHING SYSTEM, PART 1 GENERAL, Article 1.4 SUBMITTALS, Sentence J. Maintenance/service Contract, Paragraph 2, ***Add*** the following at the end of the Paragraph J.: Contract is to include reimbursement for refill service from the owner to the contractor if the release is not the result of a system malfunction.

DRAWINGS:

Item No. 1 M2 SERVER ROOM 2402B PLAN, ***Revise*** Note 4 ***to read***: RELOCATE AND REVISE DUCTWORK AND WINDOW CONNECTION FOR EXISTING AIR CONDITIONING UNIT LOCATED IN SERVER ROOM 2402B. INCORPORATE A RUSKIN DIBD20G UL 555 1.5 HR DYNAMIC CURTAIN TYPE FIRE DAMPER WITH A 24V SR THERMAL PRODUCTION ETL ELECTRO THERMAL FUSIBLE LINK INTO THE REVISED DUCTWORK. REPLACE AND REINSTALL CONDENSATE DRAIN TO REVISED LOCATION. AC UNIT IS TO AUTOMATICALLY SHUT OFF UPON ACTIVATION OF THE CLEAN AGENT SYSTEM, AND FUSABLE LINK IS TO RELEASE AND ALLOW THE DAMPER TO CLOSE. SEE ELECTRICAL DRAWINGS FOR DETAILS.

By: 

Greg Smith,
Contract Administrator
Total number of pages contained within this Addendum: 4