



## **ADDENDUM TO THE CONTRACT**

**for the**

### **JNU FIRE ALARM UPGRADE Contract No. BE21-159**

**ADDENDUM NO.: FIVE**

**CURRENT DEADLINE FOR BIDS:**

March 16, 2021

**PREVIOUS ADDENDA: FOUR**

**ISSUED BY:** City and Borough of Juneau  
ENGINEERING DEPARTMENT  
155 South Seward Street  
Juneau, Alaska 99801

**DATE ADDENDUM ISSUED:**

**March 12, 2021**

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-public-works>

#### **INFORMATION ITEMS:**

- JNU existing wireless smoke alarm system as part of the ATCT(Airport Traffic and Control Tower)and ASP(Airport Security Plan) is attached as information.
- JNU existing fire alarm system as part of the on-going testing for the Terminal Reconstruction project is attached as information.

#### **CLARIFICATIONS:**

- The use of the phrase "North Terminal Project" is to be synonymous with the use of the phrase "Terminal Reconstruction Project" within the bid / construction documents and ADDENDUMS.
- The existing Silent Knight Fire Alarm system will be tested in its entirety on Friday March 19, 2021 as part of the Terminal Reconstruction project. Investigative efforts associated with this testing has generated an initial devices and circuits point list that has been attached to this ADDENDUM. Investigative efforts have also identified active stand-alone wireless smoke detectors (33 total) that have been installed in portions of the second floor of the terminal, including the second floor Departure Lounge, the second floor TSA Passenger Screening areas, and the second floor Electrical Room. These wireless smoke detectors are part of a stand-alone fire detection and alarm system that was installed independently of the terminal fire alarm system to meet evacuation and security requirements within the Departure Lounge area. This stand-alone system has been interconnected to access control devices on Gates 2 thru 6 and on the bypass hallway door, and has the ability to alert LJ Alarm. A second floor plan which shows where the wireless detectors have been installed has been attached to this ADDENDUM.

- As part of the JNU Fire Alarm Upgrade Project, remove all of the existing second floor stand-alone fire detection and alarm system including, but not limited to, the wireless smoke detectors and notification devices, and replace these devices with wired addressable devices that are to be incorporated into the fire alarm system that is to be installed under the new JNU Fire Alarm Upgrade project. The existing interconnections to the existing access control devices are to be maintained and integrated into the final fire alarm installation. Conduit and conductors required for this work is to be installed per the requirements of the JNU Fire Alarm Upgrade project.
- As part of the JNU Fire Alarm Upgrade Project, retain and utilize the existing circuiting / conductors that have been installed within the North Terminal as part of the Terminal Reconstruction project unless the replacement of these circuits/ conductors are necessary to maintain compatibility with the new addressable Fire Alarm System.
- As part of the JNU Fire Alarm Upgrade Project, remove and replace the horn/strobes that are to be / have been installed as part of the Terminal Reconstruction project with strobes that are compatible with, and integrated with, the new addressable Fire Alarm System. Reference Contract Documents.
- The scope of the Terminal Reconstruction project included the installation of Public Address System components as an extension of the existing terminal PA system. This work included the installation, testing and commissioning of these new PA system components. JNU has since issued RFP 44 to the Terminal Reconstruction project which modifies / reduces the scope of this work. A copy of RFP 44 was issued as part of ADDENDUM 2 for the JNU Fire Alarm Upgrade project.
- As part of the JNU Fire Alarm Upgrade Project, a portion of the new addressable speakers are to be installed in the locations where the conduit and box locations have already been roughed-in as part of the Terminal Reconstruction project. Bidders are advised that there may be areas where additional speakers will be required to accomplish speaker coverage per the JNU Fire Alarm Upgrade project specifications. Where additional speakers are needed, the associated wire, conduit and backing boxes are to be furnished and installed at no additional cost.
- The existing fire detection and alarm / notification system components located within all floor levels of the Air Traffic Control Tower are to remain, and their upgrade or replacement is not a part of the JNU Fire Alarm Upgrade Project. The JNU Fire Alarm Upgrade project does include the introduction of an interconnection between the new terminal FACP and the tower FACP that will initiate an alarm condition in the tower FA system if the Terminal FACP is in alarm, and vice-versa.
- As part of the JNU Fire Alarm Upgrade Project, furnish and install an addressable smoke detector in the first floor Alaska Airlines IT room. Coordinate access into this room directly with occupants.
- As part of the JNU Fire Alarm Upgrade Project, all existing fire alarm devices are to be reviewed for compatibility with the new addressable fire detection and alarm system that is being introduced as part of this project. Existing devices that are not compatible with the new fire alarm system are to be removed and replaced with a new wired addressable devices that are fully compatible with the new addressable fire alarm system. Existing circuiting and conductors may be retained / re-used only if they are compatible for use as part of the new addressable fire alarm system.

- As part of the JNU Fire Alarm Upgrade Project, furnish and install addressable fire alarm detection devices where required by code. Furnish and install additional addressable devices within the second floor of the terminal as outlined within ADDENDUM 5 and incorporate them into the new fire alarm system. Reference attached Sketch map of the existing wireless smoke alarm system.
- As part of the JNU Fire Alarm Upgrade Project, existing fire alarm device circuits are to be retained where possible. Replace existing device circuits and conductors as necessary to address incompatibility issues, and as needed to integrate the new devices into the fire alarm system that is being installed as part of the JNU Fire Alarm Upgrade project.
- The goal of the JNU Fire Alarm Upgrade Project is to introduce a new code-compliant, fully functional, fully addressable fire detection and alarm / notification system within the terminal that includes an integral Voice Evacuation (Mass Notification) System, and is interconnected to the FACP within the air traffic control tower. The project is also intended to upgrade the public-address system within the terminal.

#### **PROJECT MANUAL:**

Item No. 1      SECTION 284621.11 – ADDRESSABLE FIRE-ALARM SYSTEMS, Part 1 – GENERAL, Article 1.8 – QUALITY ASSURANCE, Paragraph A – Installer Qualifications, Subparagraph 2.

**Delete and replace** Subparagraph 2 **with** the following:

"2.      Installation must be by personnel certified by NICET as an installer technician and final testing commissioning, programming by a Level III technician."

Item No. 2      SECTION 284700 – MASS NOTIFICATION, PART 1 – GENERAL, Article 1.8 – QUALITY ASSURANCE, Paragraph B – Installer Qualifications, Subparagraph 2.

**Delete and replace** Subparagraph 2 **with** the following:

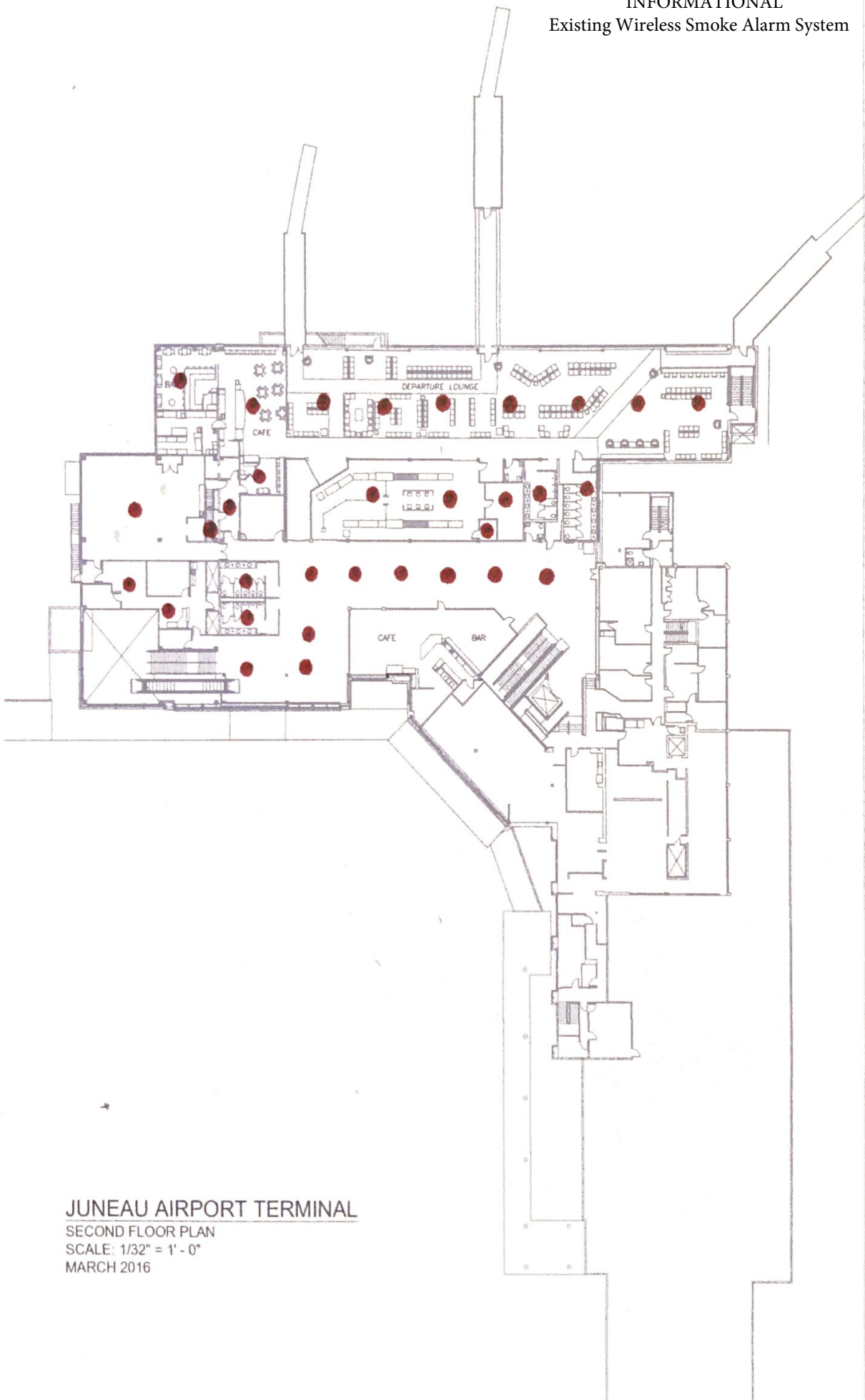
"2.      Installation must be by personnel certified by NICET as an installer technician and final testing commissioning, programming by a Level III technician."

By:   
 Greg Smith,  
 Contract Administrator

Total number of pages contained within this Addendum: 5



INFORMATIONAL  
Existing Wireless Smoke Alarm System



**JUNEAU AIRPORT TERMINAL**  
SECOND FLOOR PLAN  
SCALE: 1/32" = 1' - 0"  
MARCH 2016

# POINT LISTING

Point ID	Point Name	Point Type	Location
33:001	PENTHOUSE HVAC RELAY	Notif:Addr:Relay:	G1
33:002	PENTHOUSE DUCT DET	Init:Addr:Detector:Photo Duct	Z1
33:003	PENTHOUSE PULL	Init:Addr:Switch:Manual Pull	Z1
33:005	DRY SPRINKLER	Init:Addr:Switch:Water Flow	Z1
33:006	SPRINKLER TAMPER	Init:Addr:Switch:Supervisory	Z1
33:007	SPRINKLER TAMPER	Init:Addr:Switch:Supervisory	Z1
33:008	GLACIER LOUNGE PULL	Init:Addr:Switch:Manual Pull	Z1
33:009	GLACIER LOUNGE PULL	Init:Addr:Switch:Manual Pull	Z1
33:010	SPRINKLER TAMPER	Init:Addr:Switch:Supervisory	Z1
33:011	WET SPRINKLER	Init:Addr:Switch:Water Flow	Z1
33:012	WET SPRINKLER	Init:Addr:Switch:Water Flow	Z1
33:013	WET SPRINKLER	Init:Addr:Switch:Water Flow	Z1
33:019	MODULE 33 POINT 19	Notif:Addr:Relay:	G1
33:020	MODULE 33 POINT 20	Notif:Addr:Relay:	G1
33:023	DRY SPRINKLER	Init:Addr:Switch:Supervisory	Z1
33:024	CONTROLTOWERSPRINK	Init:Addr:Switch:Water Flow	Z1
33:047	RESTAURANT SEATING	Init:Addr:Detector:Heat	Z1
33:048	RESTAURANT SEATING	Init:Addr:Detector:Heat	Z1
33:056	LOUNGE SMOKE	Init:Addr:Detector:Photo	Z1
33:058	2ND FL ESCALATOR	Init:Addr:Detector:Photo	Z1
33:060	BAGBELT SHUTDOWN	Notif:Addr:Relay:	G1
33:061	BAGBELT SMOKE	Init:Addr:Detector:Photo	Z1
33:062	BAGBELT SMOKE	Init:Addr:Detector:Photo	Z1
33:069	BOILER ROOM	Init:Addr:Switch:Manual Pull	Z1
33:070	PAINT LOCKER AK AIR	Init:Addr:Switch:Manual Pull	Z1
33:072	1ST FL ELEV LOBBY	Init:Addr:Detector:Photo	Z1
33:074	ELEVATOR ROOM	Init:Addr:Detector:Photo	Z1
33:075	BADGING OFFICE	Init:Addr:Detector:Photo	Z1
33:082	BOILER ROOM	Init:Addr:Detector:Heat	Z1
33:083	BOILER ROOM	Init:Addr:Detector:Heat	Z1
33:084	AK AIR RAMP	Init:Addr:Detector:Heat	Z1
33:085	AK AIR RAMP	Init:Addr:Detector:Heat	Z1
34:001	MODULE 34 CKT 1	Notif:Conv:	G1
34:002	MODULE 34 CKT 2	Notif:Conv:	G1
34:003	MODULE 34 CKT 3	Notif:Conv:	G1
34:004	MODULE 34 CKT 4	Notif:Conv:	G1
34:005	MODULE 34 CKT 5	Notif:Conv:	G1
34:006	24V CONSTANT POWER	Aux:Conv:Aux:Constant	SYS
34:007	MODULE 34 RELAY 1	Notif:Conv:Relay:	G249
34:008	MODULE 34 RELAY 2	Notif:Conv:Relay:	G250