DATE: 11/07/2024

TO: 911 Emergency Response Advisory Committee

FROM: Andy Ancho, Reno Fire Department, Division Chief of Emergency Management,

 SUBJECT: REQUEST FOR APPROVAL FOR funding for the Dispatch-Fire Station Alerting System software, hardware, and installation costs related to adding the Reno-Tahoe Airport Fire Station (Station 90) for the City of Reno Fire Department in an amount not to exceed $133,728.71.

SUMMARY

The City of Reno's Public Safety Answering Point (PSAP) transmits audible notification alerts to responding fire station(s) during emergency fire events to inform fire staff of required resources. The airport fire station alerting system is at the end-of-life and is out of warranty. The airport fire station requires a new system to ensure there is a reliable enhanced communication system between the City of Reno dispatch and the fire personnel during fire emergency calls.

BACKGROUND

The Reno-Tahoe Airport Fire Station is equipped with a legacy fire station-alerting system that has been at the end-of-life and out of warranty for many years. The operational abilities are also limited and do not allow Reno dispatch and the airport fire station personnel to have expanded communication capabilities between them such as automated triggers, multi-tones, voice messaging and soft-start alerts. On the dispatch side, functionality is often limited. Dispatchers must manually trigger multiple pages to the fire station(s), sometimes causing a delay in the alerts.

In October 2024, the Reno-Tahoe Airport Authority and the City of Reno executed an interlocal agreement assigning the management of fire station personnel, equipment and facilities to the City of Reno Fire Department. This agreement provides a framework for the airport fire station and personnel to provide service under the City of Reno Fire Department and as such requires interoperability within existing dispatch systems.

Alerting of emergency calls and the various operational needs for fire resources is critical to dispatch services. This is a primary notification system between dispatch and fire resources. After a review of the current needs and the expanded capabilities listed above, the City of Reno's Public Safety Dispatch, the Reno Fire Department, and airport fire station personnel, recommends purchasing the alerting equipment and installation at a cost not to exceed $133,728.71. The recommended equipment for the Reno-Tahoe Airport Fire Station is designed to operate as an additional station or expansion within the current City of Reno Dispatch PURVIS Fire Station Alerting System and will allow for seamless communications between dispatch and all department managed fire stations

The attached quotes reflect the following:

• Quote for software, hardware of $62,731.55, installation of $58,840.00 and a 10% contingency of $12,157.16 for a total of $133,728.71. **NRS APPLICABLE**

NRS 244A.7645 provides approval of costs associated with maintenance, upgrade, and replacement of equipment necessary for the operation of the enhanced telephone system.

In addition, this funding would also be in compliance with NRS 244A.7645 (3).

STAKEHOLDER REVIEW(s)

 Stakeholders are solely the Reno Fire Department.

PREVIOUS ACTION

September 23, 2021- Reno Fire Department obtained approval of the City of Reno Dispatch-Fire Station Alerting System software, hardware and installation costs for the City of Reno Public Safety Dispatch in an amount not to exceed $1,240,000.00.

FISCAL IMPACT

The Enhanced 911 Fund is a special revenue fund which receives revenue pursuant to NRS 244A.7643 in the form of telephone surcharges collected to support the emergency reporting system. Budget authority exists within the E911 Fund to support the Dispatch Fire Station Alerting System. The total cost for the system, including software, hardware, project management, training, installation and warranty would not exceed $133,728.71.

RECOMMENDATION

It is recommended that the E911 Emergency Response Advisory Committee approve the request for funding for the DispatchFire Station Alerting System software, hardware and installation costs related to adding the Reno-Tahoe Airport Fire Station (Station 90) for the City of Reno Fire Department in an amount not to exceed $133,728.71.

POSSIBLE MOTION

Motion to approve funding for funding for the Dispatch-Fire Station Alerting System software, hardware and installation costs related to adding the Reno-Tahoe Airport Fire Station (Station 90) for the City of Reno Fire Department in an amount not to exceed $133,728.71 and allow the City of Reno's Fire Department to move forward with the purchase and implementation of said system.

PURVIS SYSTEMS

Tax ID #: 11-2299301

88 Silva Ln
Middletown, RI 02842
Sales: J. Mascola 401-862-1184
jmascola@purvis.com
Contracts: D Flynn 401-845-8432
DFlynn@purvis.com

Date:	November 5, 2024
Quote #:	PC2025-103r2
Customer:	Reno Fire Department
Address:	1805 Riley Ave
	Reno, NV 89502
Customer POC:	Todd Ingalsbee
E-mail	tingalsbee@renoairport.com
Phone #:	702-806-8721

TASK:

Procurement and implementation of the PURVIS Fire Station Alerting System™ (PURVIS FSAS™) for the Reno Tahoe Airport Fire Station 90.

The quote is based on PURVIS FSAS drawing "FSAS RenoTahoe Airport Fire Station 90 RevA".

The quote assumes that the customer will install the FSAS hardware at the Fire Station including all required cabling, conduit

Customer is responsible for supplying all 120V power required for the PURVIS FSAS in each location.

Customer is responsible for supplying all required permits for the proposed FSAS project.

Customer is responsible for providing a 19" rack with minimum of 16U space and 26" depth for the PURVIS FSAS components

PURVIS will provide a Statement of Work (SOW) based on the final set of requirements

HARDWARE:

Item	PURVIS Part #	Qty	Unit Price	Adjusted Unit Price	Extended Price
Station Control Unit (SCU)	315-030005-131-NN	1	$18,000.00	$17,460.00	$17,460.00
SCU Remote Touch Screen (RTS) - 22"	315-250005-131	1	$735.00	$712.95	$712.95
Remote Touch Screen Video Distribution - VGA TX/RX	315-250300-131	1	$475.00	$460.75	$460.75
Vesa Mount for VGA Receiver	315-250100-131	1	$50.00	$48.50	$48.50
Wall Mounting Bracket, Tilt, RTS Monitor	315-190302-131-RTS	1	$45.00	$43.65	$43.65
USB Extender, 1-Port	315-250202-131	1	$150.00	$145.50	$145.50
Handheld Wall Mount/Clip Mount Microphone	315-032003-131-E	1	$290.00	$281.30	$281.30
24 Port Unmanaged Network Switch	315-290005-131-LAN	1	$225.00	$218.25	$218.25
Uninterruptible Power Supply (UPS) - 2U - Line Interactive 1500VA	315-040308-131	1	$1,120.00	$1,086.40	$1,086.40
Audio/Relay Expansion Module (ARXM) 25/70v, 8 Zone/8 Relay	315-442000-131-8/8	2	$4,775.00	$4,631.75	$9,263.50
Dorm Remote (Color)	315-410000-131- C	10	$130.00	$126.10	$1,261.00
Dorm Remote Gateway (DRG) 16 port	315-400001-131-16	1	$2,475.00	$2,400.75	$2,400.75
Dorm Remote Custom Plate	315-410400-131	11	$70.00	$67.90	$746.90
Recessed Speaker, 8" (25/70v)	315-130401-131-SO	44	$75.00	$72.75	$3,201.00
Recessed Speaker, 8" with Red/White LED Ring (25/70v)	315-141001-131-RW	16	$395.00	$383.15	$6,130.40
Recessed Speaker Mount	315-130360-131	60	$35.00	$33.95	$2,037.00
Outdoor/Bay Speaker (25/70v) 15w	315-150408-131	9	$160.00	$155.20	$1,396.80
Amplifier 1 Ch (25/70v) 250w	315-070304-131	1	$1,410.00	$1,367.70	$1,367.70
Volume Control Switch (25/70v) 100w	315-110003-131	8	$55.00	$53.35	$426.80
Message Board - 32" Monitor	315-190000-131-32	3	$695.00	$674.15	$2,022.45
Message Board - 50" Monitor	315-190000-131-50	1	$1,170.00	$1,134.90	$1,134.90
Message Board HDMI Video Transmitter	315-190400-131-TX	1	$105.00	$101.85	$101.85
Message Board HDMI Video Receiver	315-190400-131-RX	4	$105.00	$101.85	$407.40
Message Board Display Module	315-540201-131	1	$300.00	$291.00	$291.00
Wall Mounting Bracket, Swing Arm/Tilt,	315-190300-131	4	$70.00	$67.90	$271.60

8 Port Unmanaged Message Board Switch	315-290003-131-MB	1	$95.00	$92.15	$92.15
Strobe Light (Red), Interior, Wall	315-260008-131-R	3	$80.00	$77.60	$232.80
Strobe Light (Red), Interior, Ceiling	315-260009-131-R	6	$80.00	$77.60	$465.60
Power Strip - Rack Mount	315-010500-131	1	$65.00	$63.05	$63.05
19" Rack Shelf 1U, 10" Deep	315-383001-131	1	$55.00	$53.35	$53.35
TOTAL					$53,825.30
Sales and Use Tax					$0.00
TOTAL HARDWARE					**$53,825.30**

Hardware Prices do not include installation or any system configuration, if applicable. Any applicable manufacturer warranties will be extended to the customer.

Hardware lead time is at least 12 weeks after receipt of order (ARO)

SOFTWARE:

Item	PURVIS Part #	Qty	Unit Price	Adjusted Unit Price	Extended Price
Text-to-Speech (TTS) Voice Module Software License (Annual)	315-990404-120	1	$625.00	$606.25	$606.25
Station Control Unit (SCU) FSAS Software License (Perpetual)	315-990300-120	1	$500.00	$485.00	$485.00
TOTAL					**$1,091.25**
Sales and Use Tax					$0.00
TOTAL SOFTWARE					**$1,091.25**

FIXED PRICE SERVICES:

Description	Unit Price	Adjusted Unit Price	Price
Implementation Services (Project Management, Configuration, Integration, Test, & Training)	$7,500.00	$7,275.00	$7,275.00
Freight/Shipping & Handling		$540.00	$540.00
1 Year Warranty & Maintenance		Included	$0.00
TOTAL SERVICES			**$7,815.00**

GRAND TOTAL	**$62,731.55**

PAYMENT MILESTONES:

Key Milestone	Deliverable	Payment Amount
Milestone # 1	Delivery of FSAS Hardware	$57,000.00
Milestone # 2	Final Testing and Cutover	$5,731.55
GRAND TOTAL		**$62,731.55**

POST WARRANTY, MAINTENANCE & SUPPORT:

Description	Qty	Unit Price	Adjusted Unit Price	Extended Price
Annual Post Warranty, Maintenance and Support (Remote Only - 24/7/365) (Coverage begins upon the expiration of the initial one-year Warranty period)	1	$2,750.00	$2,667.50	$2,667.50
Text-to-Speech (TTS) Voice Module Software (Annual)	1	$625.00	$606.25	$606.25
TOTAL POST WARRANTY, MAINTENANCE & SUPPORT and SOFTWARE FEES				**$3,273.75**

SALES AND USE TAX: Any required sales and use tax not identified in this quote is responsibility of the quote recipient or Fire Station Alerting System end-user. PURVIS is not responsible for the collection of any required taxes and payments to any tax collection agencies.

PERMITS: Quote does not include any permits that may be required.

PAYMENT TERMS: Net 30

VALIDITY: This FFP Quote is valid for 90 days

WARRANTY: First Year Remote Warranty & Maintenance begins upon Functional System Validation conducted jointly by PURVIS and the customer using standard PURVIS FSAS manual alerting tools.

PURVIS AGREEMENTS: The PURVIS FSAS Standard License Agreement and the PURVIS FSAS Maintenance Agreement must be signed and returned to PURVIS Systems with any initial orders placed for the PURVIS Fire Station Alerting System.

EXPORT CONTROL: Products purchased or received under any resulting Sale may be subject to export control laws, restrictions, regulations, and orders of the United States. Customer agrees to comply with all applicable export laws, restrictions and regulations of the United States or foreign agencies or authorities, and shall not export, or transfer for the purpose of re-export any product to any prohibited or embargoed country or to any denied, blocked or designated person or entity as mentioned in any United States or foreign law or regulation.

PURVIS SYSTEMS
PURVIS Systems Incorporated
88 Silva Lane
Middletown, RI 02842

TITLE: *FSAS Summary Page*
Page 1 of 3

DATE: *11/5/2024*
REV: *B*

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Scope of Work:
See PURVIS Statement of Work (SOW) for details

Audio And Light Zones:
See Floor plan and pull schedule

Mounting Heights:
All are Above Finished Floor (AFF) to bottom of the box
Remote Touch Screen (RTS) - 54" or Desktop
MIC XLR Plate – Behind RTS or under table top
Apparatus bay speakers to be hung 16' A.F.F.
Volume Controls – 48"
LCDs, LEDs, and power outlets - 80"
Apparatus Bay LCDs & power outlets - 95"
Turn Out timer – To the Left side of each Bay Door and 6' A.F.F
Printer stand/Shelf - 36"
Pushbuttons (Manual/Acknowledgment/Reset/Test/Doorbell) - 48"
Dorm Remotes - 48"
Unit Presence Detector – Centered over each Apparatus front/back, side to side
Camera Control Unit (CCU) – CCU Within 25' of the Camera, Speaker/MIC Box - 48", Camera – TBD
Tower Light - TBD
Single Color Trip Lights – Centered on ceiling
LED Light – Centered on ceiling
Strobe Light – TBD

Note 1: Mounting height is reference only. See Customer for requirement/preference

Required boxes:
All Cat5/6 Locations - single gang 3" deep box
Microphone XLR Plate - Single gang 3" deep box
Volume Control - Single gang 4" deep box
Pushbuttons - Single gang 3" deep box
Dorm Remote - Single gang 3" deep box
Unit Presence Detector – Two Gang 3" deep box
Camera Control Unit (CCU) POE Injector – Single Gang Duplex
Tower Light – Double Gang Box (Gang plate provided with device (Wall or Ceiling)
Single Color Trip Light – Six Square Box
LED Light – Double Gang, Ceiling Octagon (T-Grid Box Hanger)
Strobe Light – Double Gang Box

AC Power: (All Outlets to be within 5' of the device)
Controller Location – 20Amp Dedicated
Remote Touch Screen (RTS) – Single Gang Duplex
Message Board – Single Gang Duplex
Turn Out Timer – Single Gang Duplex
Printer – Single Gang Duplex
Camera Control Unit (CCU) – Single Gang Duplex

Wire Types:
Cat5/6 - Southwest wire (57557401) 24/4 pair
24/4 MIC cable - Canare wire 200M Starquad mic wire(CANL4E5CBLA200M)
18/2 Plenum Shielded - West Penn (WP 25293BGY1000) 18g strd shld Plenum grey(formerly 25293B)
18/4 Plenum Shielded - Charlotte Wire and cable (CW09423) plenum shielded
18/4 Plenum - WP 25244BGY1000 (formerly 25244B) Plenum Unshielded
18/8 - Omni Cable (G121808) 18G 8C Plen N-shd
18/4 – Twisted Shielded Pair

Wire Specifications:
1. Controller Interconnects – Cat5/6, 18/2 Plenum Shielded
2. Remote Touch Screen (RTS) – Cat5/6 (Qty - 2)
3. Remote Microphone – 24/4 Plenum Shielded Microphone cable
4. 25/70v Apparatus Bay, External and Ceiling/Wall Speakers – 18/2 Plenum Shielded
5. Self-Amplified Apparatus Bay, External and Ceiling/Wall Speakers – 18/4 Plenum Shielded
6. LED Speaker Ring wiring – 18/4 Plenum Shielded
7. Message Board – Cat5/6
8. Turn Out Timer – Cat5/6
9. Printer – Cat5/6
10. Pushbuttons – 18/4 Plenum Shielded (Illuminated style button)
11. Dorm Remotes – 18/4 Twisted Pair Plenum Shielded
12. Unit Presence Detector – 18/4 Plenum Shielded
13. WAN connection – Cat5/6
14. Radio Connections – 18/2 Plenum Shielded
15. Bay Door Controller Connection – 18/2 Plenum Shielded
16. Ambient Noise Sensor and Modules – 18/2 Plenum Shielded
17. Camera Control Unit (CCU) – 18/2 Plenum Shielded,Cat5/6,24/4 Microphone Cable
18. Tower Light – 18/8 Plenum
19. Rotating Light – 18/2 Plenum Shielded
20. 3.5" Disc LED Light – 18/2 Plenum Shielded
21. Strobe Light – 18/2 Plenum Shielded

Wire Length for device connections - 16"

Surface Mount Options:
Wire Mold – 700 series

Controller Dimensions and Weights:
Station Control Unit (SCU) – 5.2"H x 18.0"D x 17.3"W (32lbs)
Audio Relay Expansion Module (ARXM) – 3.5"H x 18.0"D x 17.3"W (14lbs)
Network Switch 16 Port – 1.75"H x 6.7"D x 11"W (3.15lbs)
Network Switch 24/28 Port – 1.75"H x 7.99"D x 17.35"W (5.05lbs)
Dorm Remote Gateway 2/4 Port (DRG) – .92"H x 3.5"D x 3.6"W (5lbs)
Dorm Remote Gateway 8/16/32 Port (DRG) – 1.75"H x 17.1"D x 10.38"W (7lbs)
Amplifier – 3.5"H x 18.25"D x 17.0"W (41lbs)
UPS - 3.5"H x 15.75"D x 17.25"W (58lbs)
Camera Control Unit – Controller – 12"H x 6"D x 12"W (16lbs)
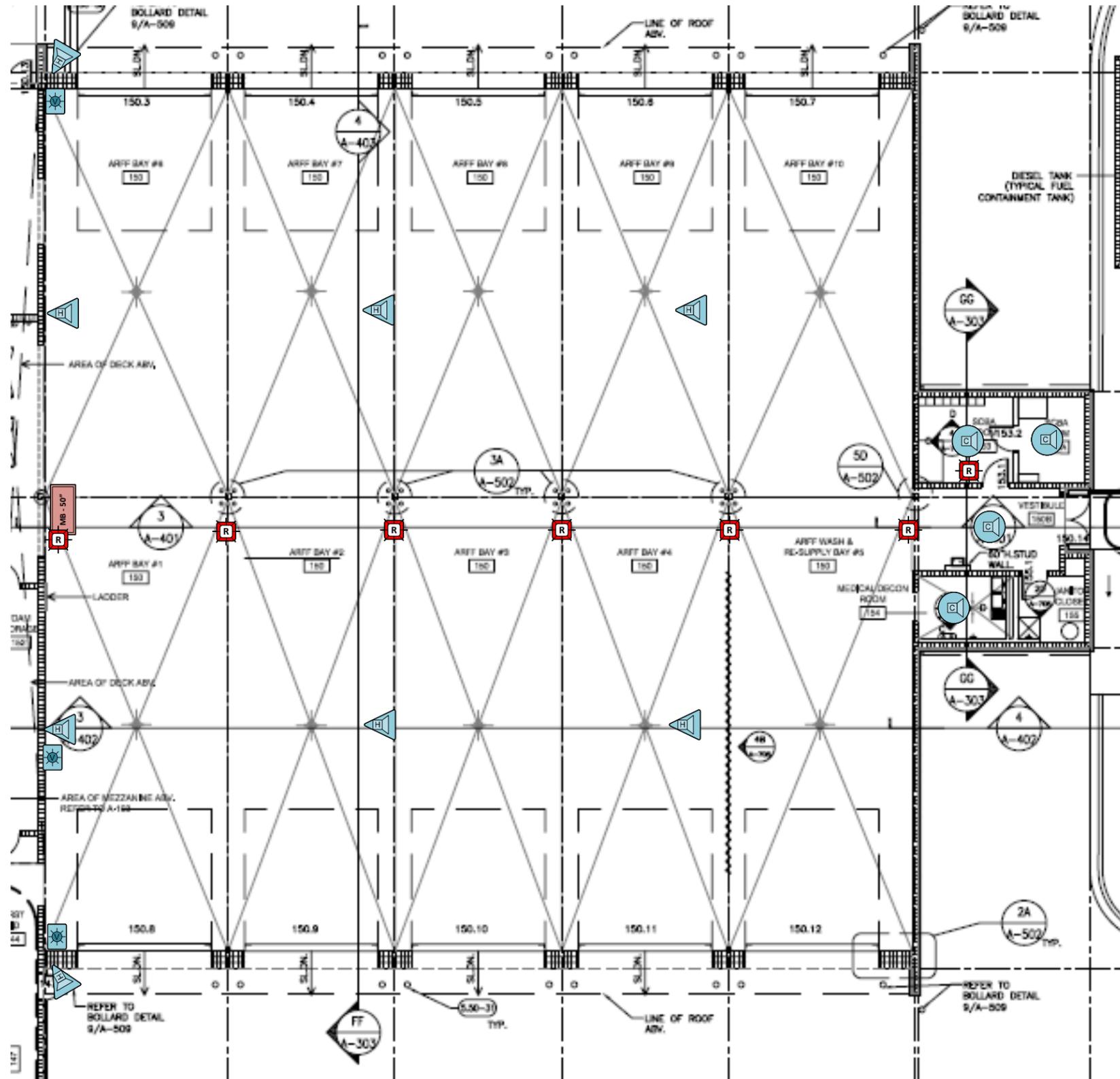Camera Intercom – 6.5"L x 4.6"W x 3/1"H (.86lbs)
Camera – 6.4"W x 4.06"H (1.84lbs)

ICON	QTY	DESCRIPTION	MOUNT See Note 1
FSAS	1	SCU/ARXM/DRG/AMP/SWT/UPS location	Rackmount
RTS	1	Remote Touch Screen	Wall 54" AFF or Desktop
	1	Microphone (Wall Mount)	Wall 48" AFF or Desktop
	44	Interior Ceiling Speaker (70v)	Ceiling
	16	Interior Ceiling Speaker w/ RED & WHT LED (70v)	Ceiling
W	0	Interior Wall Speaker (70v)	Wall 78" AFF
H	9	High Power Speaker (Exterior / App Bay) (70v)	Wall 16' AFF or Ceiling
S	0	Bay Speaker (Soundsphere) (70v)	Ceiling
	8	Volume Control	Wall 48" AFF
AS	0	Ambient Noise Sensor	Wall ≥78" AFF or Ceiling
AM	0	Ambient Noise Module	SCU Rack
MB - 32" / MB - 50"	4	Flat Panel Message Board - 32" – 3, 50" - 1	Wall 80" AFF
TT - 1	0	Turnout Timer	Wall 6' AFF
RB - 1	0	Reader Board	Wall 6' AFF
	0	Thermal Printer	Shelf 36" AFF or Desktop
EMER	0	Button – EMER, DOOR, MAN, ACK, RESET, TEST	Wall 48" AFF
	10	Dorm Remote	Wall 48" AFF
	0	Unit Presence Detector	Ceiling
	0	Camera / Doorbell (DB)	DB Wall 48" AFF
	0	Tower Light	Wall ≥78" AFF or Ceiling
RED	0	LED Light – Red or White	Wall ≥78" AFF or Ceiling
R	9	Strobe Light - (R)ed	Wall ≥78" AFF or Ceiling
	0	Stove / Grill Shutoff	Controller Location
	0	General Device Relay Control	Controller Location
	0	Bay Door Controller	Controller Location

WIRE LEGEND

CAT5/6 – 586B	
24/4 Microphone Cable (Special)	
18/2 Twisted Shielded (Plenum as required)	
18/4 Shielded (Plenum as required)	
18/8 (Plenum as required by code)	
18/4 Two Pair Twisted Shielded (Plen. as required)	

PURVIS SYSTEMS
PURVIS Systems Incorporated
88 Silva Lane
Middletown, RI 02842

TITLE: *FSAS Main Floor*
Page 2 of 3

DATE: *11/5/2024*
REV: *B*

ICON	QTY	DESCRIPTION	MOUNT See Note 1
FSAS	1	SCU/ARXM/DRG/AMP/SWT/UPS location	Rackmount
RTS	1	Remote Touch Screen	Wall 54" AFF or Desktop
	1	Microphone (Wall Mount)	Wall 48" AFF or Desktop
	40	Interior Ceiling Speaker (70v)	Ceiling
	16	Interior Ceiling Speaker w/ RED & WHT LED (70v)	Ceiling
W	0	Interior Wall Speaker (70v)	Wall 78" AFF
H	1	High Power Speaker (Exterior / App Bay) (70v)	Wall 16' AFF or Ceiling
S	0	Bay Speaker (Soundsphere) (70v)	Ceiling
	5	Volume Control	Wall 48" AFF
AS	0	Ambient Noise Sensor	Wall ≥78" AFF or Ceiling
AM	0	Ambient Noise Module	SCU Rack
MB - 32"	3	Flat Panel Message Board	Wall 80" AFF
TT - 1	0	Turnout Timer	Wall 6' AFF
RB - 1	0	Reader Board	Wall 6' AFF
	0	Thermal Printer	Shelf 36" AFF or Desktop
EMER	0	Button – EMER, DOOR, MAN, ACK, RESET, TEST	Wall 48" AFF
	10	Dorm Remote	Wall 48" AFF
	0	Unit Presence Detector	Ceiling
	0	Camera / Doorbell (DB)	DB Wall 48" AFF
	0	Tower Light	Wall ≥78" AFF or Ceiling
RED	0	LED Light – Red or White	Wall ≥78" AFF or Ceiling
R	2	Strobe Light - (R)ed	Wall ≥78" AFF or Ceiling
	0	Stove / Grill Shutoff	Controller Location
	0	General Device Relay Control	Controller Location
	0	Bay Door Controller	Controller Location

WIRE LEGEND

CAT5/6 – 586B	
24/4 Microphone Cable (Special)	
18/2 Twisted Shielded (Plenum as required)	
18/4 Shielded (Plenum as required)	
18/8 (Plenum as required by code)	
18/4 Two Pair Twisted Shielded (Plen. as required)	

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88 Silva Lane
Middletown, RI 02842

TITLE: *FSAS Apparatus Bay*
Page 3 of 3

DATE: *11/5/2024*
REV: *B*

ICON	QTY	DESCRIPTION	MOUNT See Note 1
FSAS	0	SCU/ARXM/DRG/AMP/SWT/UPS location	Rackmount
RTS	0	Remote Touch Screen	Wall 54" AFF or Desktop
	0	Microphone (Desktop or Wall Mount)	Wall 48" AFF or Desktop
	4	Interior Ceiling Speaker (70v)	Ceiling
	0	Interior Ceiling Speaker w/ RED & WHT LED (70v)	Ceiling
	0	Interior Wall Speaker (70v)	Wall 78" AFF
	8	High Power Speaker (Exterior / App Bay) (70v)	Wall 16' AFF or Ceiling
	0	Bay Speaker (Soundsphere) (70v)	Ceiling
	3	Volume Control	Wall 48" AFF
	0	Ambient Noise Sensor	Wall ≥78" AFF or Ceiling
	0	Ambient Noise Module	SCU Rack
MB - 50"	1	Flat Panel Message Board	Wall 80" AFF
TF - 1	0	Turnout Timer	Wall 6' AFF
RB - 1	0	Reader Board	Wall 6' AFF
	0	Thermal Printer	Shelf 36" AFF or Desktop
	0	Button – EMER, DOOR, MAN, ACK, RESET, TEST	Wall 48" AFF
	0	Dorm Remote	Wall 48" AFF
	0	Unit Presence Detector	Ceiling
	0	Camera / Doorbell (DB)	DB Wall 48" AFF
	0	Tower Light	Wall ≥78" AFF or Ceiling
	0	LED Light – Red or White	Wall ≥78" AFF or Ceiling
R	7	Strobe Light - (R)ed	Wall ≥78" AFF or Ceiling
	0	Stove / Grill Shutoff	Controller Location
	0	General Device Relay Control	Controller Location
	0	Bay Door Controller	Controller Location

WIRE LEGEND

CAT5/6 – 586B

24/4 Microphone Cable (Special)

18/2 Twisted Shielded (Plenum as required)

18/4 Shielded (Plenum as required)

18/8 (Plenum as required by code)

18/4 Two Pair Twisted Shielded (Plen. as required)

PROPOSAL

POWERCOMM solutions
Linking People, Power & Information
450 Sunshine Lane Reno, NV 89502
license numbers: NV 0051450/CA 806949

Date: 11/5/24
Job Name: Reno Fire Department Station 90

Proposal Submitted To: Todd Ingalsbee	Work To Be Performed At: Reno Fire Department Station 90 Reno Tahoe Airport 1805 Riley Ave, Reno, NV 89502

FSAS WORK SCOPE	AMOUNT

CITY OF RENO FD STATION 90: FIRE STATION ALERTING SYSTEM (FSAS)

This document represents PowerComm Solutions (PCS) proposal to install specified Purvis Fire Station Alerting System equipment as specified by Purvis Systems (PS) at City of Reno FD (CoR) Station 90. Material based upon Drawings Dated 8/20/24.

$ 58,840.00

GENERAL PROJECT ASSUMPTIONS-CONDITIONS AGREED TO BY PCS, PURVIS & CITY OF RENO FD:

- ❖ Purvis to provide all equipment as specified in FSAS BOM.
- ❖ Purvis to provide all application software/licensing, programing, testing, commissioning and end user training.
- ❖ PCS will install specified equipment as noted on the FSAS BOM. Purvis will ship all equipment to PCS.
- ❖ PCS will provide and install field side device cabling and perform all circuit terminations per wiring /one-line diagrams to be provided as part of the construction drawings.
- ❖ Purvis/CoR Fire will provide all required computer equipment and accessories, Speakers and dorm remotes, servers, switches, network connectivity and IP addresses with routing to the CoR/Purvis Central Server(s).
- ❖ The proposed Purvis FSAS and associated infrastructure will be completely installed and tested at this location prior to enabling the new system.

PCS'S - GENERAL PROJECT RESPONSIBILITIES: (CONTINUED)

- ❖ All work will be completed over one continuous time frame from receiving notice to proceed.
- ❖ PCS will not be responsible for project delays due to Owner generated changes, equipment delays, testing and programing delays.
- ❖ PCS will be granted access to all applicable areas at each location required for system installation, configuration, programming, and system testing on an as needed basis.
- ❖ Work can be performed during PCS' normal working hours (7:00-4:00).
- ❖ Install Purvis FSAS equipment as designed and provided by Purvis.
- ❖ Provide specified cable, cable pulls, and cable terminations.
- ❖ Aid with post install testing, commissioning and final startup of the new system.

PURVIS &CoR FD- GENERAL PROJECT RESPONSIBILITIES:

- ❖ Systems Design & Engineering.
- ❖ Provide all equipment specified in Purvis FSAS Bill of Materials (BOM) Spreadsheet. Ship materials packaged directly to PCS.
- ❖ Provide all computer equipment and accessories, servers, network switches and patch panels.
- ❖ System software/licensing, configuration, testing & commissioning.
- ❖ Customer orientation & Training.
- ❖ Provide switch and patch panel ports for network-based equipment, IP addresses, and network connections as needed.
- ❖ Provide appropriate Purvis/CoR Representative(s) for testing and commissioning.

PCS'S LOCATION SPECIFIC PROJECT RESPONSIBILITIES:

INSTALL THE FOLLOWING PURVIS FIRE STATION EQUIPMENT TO BE PROVIDED BY PURVIS:
- ❖ (1) Station Control Unit (SCU)-No Screen
- ❖ (1) SCU Remote Touch Screen 22"
- ❖ (1) Remote Touch Screen Video Distribution – VGA TX/RX
- ❖ (1) Vesa Mount for VGA/HDMI Receiver
- ❖ (1) Wall Mounting Bracket, Tilt, RTS Monitor
- ❖ (1) USB Extender, 1-Port
- ❖ (1) Handheld Wall Mount/ Clip Mount Microphone
- ❖ (1) 24 Port Unmanaged Network Switch
- ❖ (1) Uninterruptible Power Supply (UPS) – 2U-Line Interactive 1500V
- ❖ (2) Audio/Relay Expansion Module (ARXM) 25/70v, 12-Zone/8-Relay
- ❖ (10) Dorm Remotes (Color)
- ❖ (1) Dorm Remote Getaway (DRG) 16-Port
- ❖ (1) Bogen 250 Amplifier, 2U
- ❖ (43) 8" Recessed Speakers (25/70v)
- ❖ (17) 8" Recessed Speakers with Red/White LED Ring (25/70v)
- ❖ (9) Outdoor/Bay Speakers (25/70v) 15w
- ❖ (9) Strobe Light (Red), Interior, Wall
- ❖ (1) Power Strip – Rack Mount
- ❖ (4) Message Board – 42"
- ❖ (4) Wall Mounting Bracket, Swing Arm/Tilt, 32"-60" Monitor
- ❖ (1) Message Board Display Module
- ❖ (8) Volume Control Nob

PROVIDE, INSTALL & TERMINATE THE FOLLOWING CABLE:
- ❖ 18/4 twisted pair SHLD STR Cable, CMP – Dorm Remotes
- ❖ 18/4c STR SHLD Cable, CMP – LED Speakers
- ❖ 18/2c STR SHLD Cable, CMP – Bay Speakers, Strobes & Non-LED Speakers
- ❖ 24/4c STR SHLD Cable, CMP – Mics
- ❖ Cat5/6 Cable, CMP – Station Control Unit (SCU),RTS and Message Board Screens.

PROVIDE OTHER SERVICES:

- ❖ Provide FSAS testing assistance.
- ❖ Provide FSAC startup assistance

FIRE STATION #90 - PURVIS'S / CoR FD LOCATION SPECIFIC PROJECT RESPONSIBILITIES:

- ❖ Provide switch and patch panel ports as needed, IP addresses, network connections and routing back to Purvis FSAS system wide Servers.
- ❖ Testing and Commissioning.
- ❖ End User System Orientation and Training.

Site Specific conditions:

- ALL WORK TO BE PERFORMED DURING NORMAL BUSINESS HOURS OF 7:00-3:30
- LIFT RENTAL IS INCLUDED

Sincerely,
PowerComm Solutions

Patrick Pearce

RCDD, NICET IV

Acceptance of Proposal

The above prices, specifications and conditions are satisfactory and are hereby accepted. PowerComm Solutions, Inc. is authorized to do the work as specified. Payment will be made as outlined above.

Date: _____ PO# _____ Signature: _____