



ADDENDUM NO. 1

Agency Name:	Champaign County
Project Name:	Champaign County Plaza Renovation
Project Location:	102 E. Main Street, Urbana, IL 61801
Project Number:	ITB: 2022-088 BE: 21212
To:	All Plan Holders
From:	Bailey Edward Design
Issue Date:	11/29/2022

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated November 4, 2022 and any subsequent addenda. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This addendum consists of Addendum Items (7 pages), Specifications (0 Section) and Drawings (3 pages).

General / Clarifications:

1. Clarifications:

- The A/E will not require a dedicated trailer at the project site
- There are no liquidated damages as part of this project.
- The Owner is not anticipating using any part of the project site, the Contractor may use the lower parking area for laydown area.

- Clarification**, refer to section **00 41 13 Bid Form** and **01 21 00 Allowances**, \$5 / SF should be allowed for the tile material only as identified on the drawings. Installation and the material allowance shall be included with the base bid.

Project Manual:

- Change**, refer to Specification Section **09 22 16 – Non-Structural Metal Framing** and drawing sheet **G006 Construction Types, Assemblies, and Details**. All new metal studs shall be a minimum of 18 ga.
 - Revise 2.3 Framing Systems (B.1.c) to read 18 gauge.

- Clarification**, refer to Specification Section **08 71 00 – Door hardware**. Hardware sets #25 and #26 to be as follows:

SET 25

EA	HINGES	AS SPECIFIED ABOVE	652	HAG
1 EA	ENTRANCE LOCK	ND53 x RHO	626	SCH
2 EA	CLOSER	4040XP S CUSH	689	LCN
1 SET	AUTO FLUSH BOLT	FB31P	630	IVE
1 EA	COORDINATOR	COR-FL x Mtg Brkts	628	IVE

SET 26

EA	HINGES	AS SPECIFIED ABOVE	630	HAG
1 EA	STOREROOM LOCK	ND80 x RHO	626	SCH
1 EA	CLOSER	4040XP	689	LCN
1 EA	OVERHEAD STOP	100S	630	GLY
1 SET	SEAL	160	AL	NGP
1 EA	SWEEP	200N	AL	NGP
1 EA	THRESHOLD	425	AL	NGP
1 EA	RAIN DRIP	16	AL	NGP



ADDENDUM NO. 1

3. **Change**, refer to specification Section **27 15 13 – Communications Copper Horizontal Cabling**

a. Page 27 15 13-4, Paragraph 2.3-B. – Add the following:

2. Belden CDT Networking Division / Nordx.
3. Commscope, Inc.
4. Berk-Tech, Inc.
5. Hubbell Premise Wiring

4. **Change**, refer to specification Section **28 20 00 – Video Surveillance**

a. Page 28 20 00-1, Paragraph 1.2-B.1. – Delete in its entirety and replace with the following:

1. This section includes the requirements for a complete IP based video surveillance system. The Contractor shall provide all color cameras, lenses, mounting hardware, housings, processing equipment, digital video recorders and associated licensing for a complete system.

b. Page 28 20 00-1, Paragraph 1.2-B.5. – Add as follows:

5. All cameras shall be capable of analytics to include unusual activity detection and unusual motion detection.

c. Page 28 20 00-2, Paragraph 1.7 – Add as follows:

1.7 WARRANTY

A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of cameras, equipment related to camera operation, and control-station equipment that fail in materials or workmanship within specified warranty period.

1. Warranty Period: Three years from date of Substantial Completion for cameras.
2. Warranty Period: One year from date of Substantial Completion for software.
3. Warranty Period: Three years from date of Substantial Completion for Video Management Servers.

a. The IP camera servers shall include a 3-year parts and labor warranty from the manufacturer. The Video Management System manufacturer shall warranty the software licensing and update subscription for a period of 3 years. During this 3-year period, all software updates pertaining to the hardware and software shall be free of charge.

d. Page 28 20 00-3, Paragraph 2.2 – Delete in its entirety and replace with the following:

2.2 CAMERAS

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. Motorola Avigilon.
2. Bosch Security Systems, Inc.
3. Hanwa

B. Cameras shall be provided as specified on drawings.

C. Cameras shall have advanced analytics shall include the following features:

1. Unusual Activity Detection: Detection of atypical activities, such as people and vehicles travelling at faster speeds or are in unusual locations and alert operators.
2. Unusual Motion Detection: Without any predefined rules or setup, this technology is able to continuously learn what typical activity in a scene looks like, and then detect and flag unusual motion

e. Page 28 20 00-3, Paragraph 2.4 – Delete in its entirety and replace with the following:

2.4 VIDEO MANAGEMENT SOFTWARE

A. Manufacturers

1. exaqVision
2. Avigilon/Motorola Solutions

B. Specifications

1. System Requirements
 - a. VMS Software is to include, at no additional cost, any API or SDKs necessary to integrate third party devices and systems.
 - b. Software shall only require a one-time license fee per camera. There shall be no license or other associated software fees for Servers and Client Workstations.
 - c. Software Maintenance Agreements shall not be required by the manufacturer.
 - d. Media Server Application: Responsible for discovering, connecting to, and managing system users, devices, and associated data.
 - e. Desktop Application: Capable of acting as a stand-alone media player or as a client application for connecting to and managing systems.
 - f. Mobile Application: For iOS and Android devices that allows users to connect to, view, search, and control IP cameras over Wifi or Data networks.
 - g. There shall be no cost associated with the use of the Mobile Application.
 - h. Built-In Developer and Integration Tools: Accessible from System Server's Web Admin Interface (compatible with all major browsers).
 - i. Generic Events Generator: Tool which builds HTTP Generic Event calls; a method of sending events from third party systems to the VMS, which can be used to trigger system actions in the VMS.
 - j. System-wide user management, alarm handling, health monitoring, and configuration.
2. Use secure technologies for inter-application communication and security.
 - a. OpenSSL for Network Connections: Deprecated and insecure protocols and use only TLS v1plus.
 - b. Email Server: Client (Mobile, Desktop, Web) Communications - HTTPS Email - TLS / SSL - TLS; default option.
 - c. Salted/Hashed Passwords: Local credentials protected using a salted MD5 hash, cloud credentials should use a complex multi-level hash.

3. User Login Credential Management: LDAP / Active Directory / Open LDAP integration.
4. Record and Stream
 - a. Video: H.264, H.265, and MJPEG.
 - b. Audio: AAC, PCM (Mu-Law, A-law), g726, and MP3.
 - c. Transcode Streams on Demand: For delivery to 3rd party system devices.
 - d. Codecs: H.265, H.264, MJPEG or WebM.
5. Pass-through high-res or low-res HLS streams from connected devices.
6. Re-Index Archive Feature: Allow system administrators to recover archives from any storage medium.
7. Require no dedicated GPU to perform at maximum capacity.

C. VMS Desktop Application:

1. Runs on the Following Operating Systems:
 - a. Windows 7 or later.
 - b. Windows 10 Enterprise Solutions.
 - c. Ubuntu Linux:
 - d. Apple / Mac.
2. Will not require any dedicated graphics drive to work at full capacity; 64 streams on a 64-bit OS, 24 streams on a 32-bit OS, and use the CPU for all video decoding and rendering.
3. View and interact with the following types of media:
 - a. Live Streams: H.265, H.264, MJPEG.
 - b. Offline Media: AVI, MKV, MP4, MOV, TS, M2TS, MPEG, MPG, FLV, WMV, 3GP, JPG, PNG, GIF, BMP, and TIFF.
 - c. Execute a Smart Motion Search: By selecting a subset of a live camera stream with results shown in red on the flexible timeline. Smart Motion search should be able to search a year (12 months, 365 days) of archived video in less than one second.
 - d. Utilize adaptive scaling technology to automatically switch between high- and low-resolution streams during live and recording playback to optimize CPU and network usage.
 - e. Management and configuration of all system devices, users, and resources in a single unified interface.
 - f. Show or hide adaptive thumbnails in the timeline panel.
 - g. Batch configuration of camera recording schedules, fps, and quality.
 - h. Audit trail of operator actions and replay related video.
 - i. Support single video export in .avi, .mp4, or .mkv formats and will offer the option to transcode any client-side effects (image enhancement, de-warping, time stamps) as part of the exported video.
 - j. Support multi-video export in an executable format to create a fully portable version of the VMS Desktop application including all exported video files.

4. VMS Mobile Application

- a. Runs on the Following Operating Systems:

- b. Google Android.
- c. Apple iOS

f. Page 28 20 00-4 – Paragraph 2.5 – Delete in its entirety and replace with the following:

2.5 VIDEO MANAGEMENT SERVERS

A. Manufacturers

- 1. Exaq Technologies
- 2. Dell
- 3. HP
- 4. Avigilon/Motorola Solutions

B. The Contractor shall provide and install a VMS head-end server in the main building server room.

C. The Network Video Server shall have the following characteristics:

- 1. Recording Bandwidth: up to 470 Mbps
- 2. OS Drive Bays: 2 x 240GB Dual RAID 1 SSD (internally mounted)
- 3. Data Drive Bays: 12 x 3.5" Front Hot Swappable Bays / 2 x 3.5" Rear Hot Swappable Bays
- 4. Data Storage: As required for continuous 30 day recording of all cameras
- 5. RAID Support: RAID 0, 1, 5, 6, 10, 8Gb NV Cache (RAID 6 default configuration)
- 6. Network Interface: 4 x RJ45 Gigabit Ethernet
- 7. Processor: 1 x Intel® Xeon® Processor
- 8. Memory: 16 GB, 2 x 8GB DDR4
- 9. Operating System: Windows 10 Professional / Windows Server 2019 Standard / Ubuntu 18.04 LTS.
- 10. Video Outputs: NVIDIA Quadro P400 3x MiniDisplay Port (1x HDMI adapter), 1 x VGA.
- 11. USB Ports: 2 x USB 3.0 (Rear), 2 x USB 2.0 (Front), 1 x USB 3.0 (Internal).
- 12. Other Ports: Serial
- 13. Keyboard & Mouse Included
- 14. 2U rack-mountable. Sliding Rail Kit Included.

5. **Change**, refer to specification Section **28 13 00 – Access Control Software and Database management**

a. Page 28 13 00-4, Paragraph 2.1-A. – Add the following:

- 2. Hid Global.
- 3. Genetec.
- 4. Lenel 52.

6. **Change**, refer to specification Section **28 15 00 – Access Control Hardware Devices**

a. Page 28 15 00-4, Paragraph 2.3-A. – Add the following:

- 5. Identocard.

Drawings:

1. Change, Refer to Sheets A900, A901 and A902:

- a. All new door panels shall be 1-3/4" thick and all existing door panels indicated to be salvaged are 2" thick.
- b. Refer to existing door E303 on A900, this door shall not be salvaged and should be removed from the existing door schedule. Corresponding door 318 shall receive a new door panel.
- c. Refer to existing doors E524 and E534, door widths should be corrected to an existing width of 3'-0".
- d. **A900 schedule change:**
 - i. Existing door E303 removed from existing door schedule. Do not salvage.
 - ii. Existing doors E524 and E534, door widths should be corrected to an existing width of 3'-0".
- e. **A901 schedule change:**
 - i. **Change to 1-3/4" thickness:** EX001, EX002, 001, 002, 003, 004, 005, 007, 008, 011, 012, 013, 012A, 013B, 019, 025, 026, 050, C004, C005, N010, N014, 113, 113A, 114, 115, 121, 124^a, N101, N104, N105, N106, N109, N109A, 214, 215, 217, 225A, 230, C202A, N204, N205, N206, 303, 311, 315, 317, 333A, 336, 340, 341, C301, C302, N304, N305, N306
 - ii. **Change to 2" thickness:** 018, 104, 105, 110, 119, 120, 202, 208, 210, 212, 227, 228, 233, 234, 235, 304, 305, 308, 312, 313, 319, 321, 322, 325, 326, 327, 328, 329, 330, 331, 332, 333
- f. **A902 schedule change:**
 - i. **Change to 1-3/4" thickness:** 410, 420, 420A, 420B, 432, 438, 439, 440, 441, 441A, 451, C403A, N404, N405, N406, 500, 502, 502A, 515, 518, 518A, 520, N504, N505, N506
 - ii. **Change to 2" thickness:** 401, 402, 403, 404, 405, 406, 411, 412, 413, 415, 416, 421, 422, 423, 424, 425, 426, 428, 430, 431, 433, 434, 435, 436, 437, 504, 510, 514, 516, 517, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 536, 537, 539

2. Change, Refer to Sheets P100, P101, P102, P103, P104, P105:

- a. General Note No. 1 – ADD Contractor's option to use Spears LabWaste CPVC in lieu of fiberglass wrapped PVC in plenum ceilings.

3. Change, Refer to Sheet HVD100:

- a. See attached sheet for revisions. The revisions include the removal of existing fin tube control valves.

4. Change, Refer to Sheet HVD101:

- a. See attached sheet for removal of existing cabinet unit heater from entry lobby.

5. Change, Refer to Sheet H100:

- a. See attached sheet for new control valve locations and balance notes.

6. Change, Refer to Sheet H500:

- a. Air Curtain Schedule – Provide the following: Note No. 5. Thermostat and hot water control valve shall be provided and installed by Temperature Control Contractor. Door micro switch controls shall be provided by Air Curtain Manufacturer.

7. Change, Refer to Sheet V500:

- a. Air Handling Unit Schedule – Provide the following: Note No. 8. Provide optional double wall construction as noted in the specifications.



ADDENDUM NO. 1

8. Change, Refer to Sheet ES100, ES101, ES102, ES103, ES104, ES105:

- a. All wireless access points to receive two Cat 6a wires back to data racks. Provide additional 48 port patch panel at each rack.

Attachments:

1. Sheet HVD100 – Lower Level Plan – Mechanical Demolition
2. Sheet HVD101 – First Floor Plan – Mechanical Demolition
3. Sheet H100 – Lower Level – Heating New Work

End of Addendum 1