

ADDENDUM NO. TWO (2)

SECURITY ACCESS CONTROL AND VIDEO SURVEILLANCE SYSTEM
UPGRADES

ROANOKE BLACKSBURG REGIONAL AIRPORT,
ROANOKE, VIRGINIA

AIP Project No. 3-51-0045-PENDING

AEG, Inc. Project No. 18100

RRAC Bid No. 18-014

June 21, 2018

From: Ascent Engineering Group, Inc.
5228 Valleypointe Parkway, Suite 4
Roanoke, Virginia 24019

To: All Plan Holders of Record

This Addendum is hereby made a part of the contract documents and specifications of the above referenced project. All other requirements of the original specification shall remain in effect in their respective order. Acknowledge receipt of this addendum by inserting its number and date in the proposal form.

SPECIFICATIONS

1. REVISE Instructions to Bidders – Paragraph 11.3 Bid Security. Revise sixty (60) calendar days to ninety (90) calendar days.

PLANS

Sheet E2.1 Electrical Site Plan - Area A New Work.

1. CHANGE Camera number 70 near Runway number 24 to 70A.
2. ADDED the following to Cameras 70, 70A and 78, poles and conduits serving pole:
 - A. Provide Quazite Polymer concrete flush ground boxes (24" long x 17" wide) with 6" wide by 6" deep concrete base foundation to hold box in ground for each power and data conduit (labeled ELEC. or COM.) in line with conduits and staggered apart from each other on 400 foot intervals between sources (tunnel, roost, fire station or existing pole) and between each new set of poles.
 - B. Provide Quazite Polymer concrete flush ground boxes (24" long x 17" wide) with 6" wide by 6" deep concrete base foundation to hold box in ground next to each new pole for power wire splicing and wiring pass-through.
 - C. Provide Kendorf channel mount next to each new pole with concrete base (12" deep, 8" wide and 30" long), two (2) vertical 2" channels with three (3) horizontal 2" channels. Mount shall be 28" wide and no more than 30" high.
 - D. Change disconnect on pole to single 120 volt, 20 amp breaker in NEMA-3R enclosure. Mount breaker on channel mount and not pole.
 - E. Mount Netway Converter box to channel mount and not pole.
 - F. Provide NEMA-3R fiber splice box with mini patch panel to suit multi pair fiber optic cable and mount on channel mount.
 - G. Provide interconnecting conduits from boxes on mount to inside pole for power and data connections to camera and light.

Sheet E2.2 Electrical Site Plan - Area B New Work.

1. ADDED the following to Cameras 75 and 76, poles and conduits serving pole:
 - A. Provide Quazite Polymer concrete flush ground boxes (24" long x 17" wide) with 6" wide by 6" deep concrete base foundation to hold box in ground for each power and data conduit (labeled ELEC. or COM.) in line with conduits and staggered apart from each other on 400 foot intervals between sources (tunnel, roost, fire station or existing pole) and between each new set of poles.
 - B. Provide Quazite Polymer concrete flush ground boxes (24" long x 17" wide) with 6" wide by 6" deep concrete base foundation to hold box in ground next to each new pole for power wire splicing and wiring pass-through.
 - C. Provide Kendorf channel mount next to each new pole with concrete base (12" deep, 8" wide and 30" long), two (2) vertical 2" channels with three (3) horizontal 2" channels. Mount shall be 28" wide and no more than 30" high.
 - D. Change disconnect on pole to single 120 volt, 20 amp breaker in NEMA-3R enclosure. Mount breaker on channel mount and not pole.
 - E. Mount Netway Converter box to channel mount and not pole.
 - F. Provide NEMA-3R fiber splice box with mini patch panel to suit multi pair fiber optic cable and mount on channel mount.
 - G. Provide interconnecting conduits from boxes on mount to inside pole for power and data connections to camera and light.

Sheet E2.3 Electrical Site Plan - Area C New Work.

1. ADDED the following to Camera 79, pole and conduits serving pole:
 - A. Provide Quazite Polymer concrete flush ground boxes (24" long x 17" wide) with 6" wide by 6" deep concrete base foundation to hold box in ground for each power and data conduit (labeled ELEC. or COM.) in line with conduits and staggered apart from each other on 400 foot intervals between sources (tunnel, roost, fire station or existing pole) and between each new set of poles.
 - B. Provide Quazite Polymer concrete flush ground boxes (24" long x 17" wide) with 6" wide by 6" deep concrete base foundation to hold box in ground next to each new pole for power wire splicing and wiring pass-through.
 - C. Provide Kendorf channel mount next to each new pole with concrete base (12" deep, 8" wide and 30" long), two (2) vertical 2" channels with three (3) horizontal 2" channels. Mount shall be 28" wide and no more than 30" high.
 - D. Change disconnect on pole to single 120 volt, 20 amp breaker in NEMA-3R enclosure. Mount breaker on channel mount and not pole.
 - E. Mount Netway Converter box to channel mount and not pole.
 - F. Provide NEMA-3R fiber splice box with mini patch panel to suit multi pair fiber optic cable and mount on channel mount.
 - G. Provide interconnecting conduits from boxes on mount to inside pole for power and data connections to camera and light.

Sheet E2.4 Electrical Site Plan - Area D New Work

1. ADDED the following to Cameras 80, 81 and 82, poles and conduits serving pole:
 - A. Provide Quazite Polymer concrete flush ground boxes (24" long x 17" wide) with 6" wide by 6" deep concrete base foundation to hold box in ground for each power and data conduit (labeled ELEC. or COM.) in line with conduits and staggered apart from each other on 400 foot intervals between sources (tunnel, roost, fire station or existing pole) and between each new set of poles.
 - B. Provide Quazite Polymer concrete flush ground boxes (24" long x 17" wide) with 6" wide by 6" deep concrete base foundation to hold box in ground next to each new pole for power wire splicing and wiring pass-through.
 - C. Provide Kendorf channel mount next to each new pole with concrete base (12" deep, 8" wide and 30" long), two (2) vertical 2" channels with three (3) horizontal 2" channels. Mount shall be 28" wide and no more than 30" high.
 - D. Change disconnect on pole to single 120 volt, 20 amp breaker in NEMA-3R enclosure. Mount breaker on channel mount and not pole.
 - E. Mount Netway Converter box to channel mount and not pole.
 - F. Provide NEMA-3R fiber splice box with mini patch panel to suit multi pair fiber optic cable and mount on channel mount.
 - G. Provide interconnecting conduits from boxes on mount to inside pole for power and data connections to camera and light.

Sheet E2.5 Electrical Site Plan – Area E New Work

1. REPLACE existing card reader for side door of Signature Fight Support Terminal. The card reader is below CRE-29 and be named CRE-29. The Signature Terminal is in the lower left of the sheet.

Sheet E2.6 Electrical Site Plan - Area F New Work

1. ADDED the following to Cameras 83 and 84, poles and conduits serving pole:
 - A. Provide Quazite Polymer concrete flush ground boxes (24" long x 17" wide) with 6" wide by 6" deep concrete base foundation to hold box in ground for each power and data conduit (labeled ELEC. or COM.) in line with conduits and staggered apart from each other on 400 foot intervals between sources (tunnel, roost, fire station or existing pole) and between each new set of poles.
 - B. Provide Quazite Polymer concrete flush ground boxes (24" long x 17" wide) with 6" wide by 6" deep concrete base foundation to hold box in ground next to each new pole for power wire splicing and wiring pass-through.
 - C. Provide Kendorf channel mount next to each new pole with concrete base (12" deep, 8" wide and 30" long), two (2) vertical 2" channels with three (3) horizontal 2" channels. Mount shall be 28" wide and no more than 30" high.
 - D. Change disconnect on pole to single 120 volt, 20 amp breaker in NEMA-3R enclosure. Mount breaker on channel mount and not pole.
 - E. Mount Netway Converter box to channel mount and not pole.
 - F. Provide NEMA-3R fiber splice box with mini patch panel to suit multi pair fiber optic cable and mount on channel mount.
 - G. Provide interconnecting conduits from boxes on mount to inside pole for power and data connections to camera and light.

Coordination Requirement:

1. New Card Reader Activation – Provide the Owner within five (5) business days of notice to provide new prox badges to users in areas that new readers will be activated. Readers will be activated in phases. The Owner will also need to issue new prox cards in phases with proper notification.

Contractor Questions with Responses:

1. See attachments with for Contractor Questions and Responses. Responses to these questions apply to all bidders and the responses become part of the contract. We received two sets of questions.

DBE Document provided at Pre-Construction Meeting:

1. DBE Document provided as attachment.

Pre-bid Meeting Agenda:

1. Pre-bid Meeting Agenda provided as attachment.

Pre-bid Meeting Attendance Sheet:

1. Pre-bid Meeting Attendance Sheet provided as attachment.

Plan Holders List:

1. Plan Holders List provided as attachment.

ATTACHMENTS:

1. Contractor Questions and Responses (two items)
2. DBE Document provided at Pre-Construction Meeting
3. Pre-bid Meeting Agenda
4. Pre-bid Meeting Attendance Sheet
5. Plan Holders List

IES Communications RFI#1 – RRAC Bid No. 18-014

General Questions

Where we are required to install access control controllers in airfield FOP enclosures, do these enclosures currently have heaters and fans? If not, can we include these items if necessary to maintain conditions within the enclosure that are within the operating temperature range of the new equipment? Alternatively, can we replace the enclosure with one that has these items factory installed?

- Response - The current system does not require fans or special ventilation because the main controllers are inside buildings or structures. The new system should be handled in the small manner so the controllers are not in the exterior enclosures.

Bid Form C-3 related to Buy America Certification references waiver options 1, 2, 3, and 4 of 49 USC 50101 whereas GP 130-6 in the project manual states that only type 3 or 4 waivers can be applied for. Is the type 2 waiver option, stating that goods are not produced in a sufficient and reasonably available amount in the US or are not of satisfactory quality, not available to us for this project? This might be the only viable option for some items.

- Response – Waivers 3 and 4 are currently the only options available as specified. The Vendors appear to be going with Waiver 4.

Specific Questions/Clarifications

Plan E2.1/Camera #78 – type not identified

- Response – Camera 78 is 360 degree, 12MP.

Plan E2.1/E2.2 Note #14 – says to provide card reader wiring back to FOP10. Is the conduit and wiring already in place?

- Response – Yes, conduit is existing. Wire was in place.

Plan E2.3/Cameras #62&63 – type not identified

- Response – Cameras 62 and 63 shall be 360 degree and 8MP.

Plan E2.5/CRE-43 – card reader missing from detail on plan E2.11

- Response – The card reader 34 on E2.11 for the old fire station shall change to 43.

Plan E2.6/FOP13 – note 7 says to provide new HBUS 8 IN 2 OUT card, but there is no access control at this location. Should this and similar notes be disregarded.

- Response – This is only a camera station and does not have access controls. HBUS is not required in this occurrence.

Plan E2.8/Note 1 – note says supply NVR with 80TB storage whereas specification section 282000.2.2A1a specifies 250TB. Please clarify.

- Response – Note 1 shall match the specification and be changed to 250TB.

Plan E2.8/Notes 19&20 – states to install four 2” conduits from the 2nd floor network office in the terminal building to future connections to a car rental facility and parking lot cameras. Please locate the terminal points of these conduits on the site plan? Will this require cutting pavement? In the terminal, are the conduits to be routed overhead through the baggage handling area before heading up to the 2nd floor?

- Response – The conduits for future use will stub out into grass past the building and near the curb and stop. Cutting of pavement is not required. The conduit inside will extend to the data room in the IT Office on the second floor.

Plan E2.9/Cameras 5A, 6A & 11 – indicated with note 8 which refers to network switches?

- Response – See note out by camera number for camera information. The note by the dot indicates which data room to terminate the data cables in.

Specifications:

Would you clarify whether Cat6 or Cat6A is required? 272000.1.4A indicates Cat6A cabling whereas the rest of the section references Cat6.

- Response – Category 6 Cabling can be used for Divisions 27 and 28 equipment.

Would you verify that cables can be run open in hooks above acoustic ceilings. 282000.3.2.B1 states complete raceway system whereas 272000.3.2B1 also includes hooks.

- Response – Category 6 Cabling Plenum rated can be run in existing cable trays, existing hooks and new hooks for both Divisions 27 and 28. All other cables for those systems shall be in conduit.



Integrated Security Technologies

Request for Information

Project: Security Access Control and Video

RFI #: 18-014

Date: 6/18/2018

Submitted by: Integrated Security Technologies, Inc.

Submitted to: Roanoke Blacksburg Regional Airport Commission

Reference: General Provisions; Section 30; 30-07 Insurance, Par II; "The policy or policies required shall contain substantially the following special provision: 'The Company agrees that thirty (30) days prior to cancellation or reduction of the insurance afforded by this policy, with respect to the contract involved, written notice will be sent by certified mail to the Executive Director, Roanoke Regional Airport Commission.'"

Question/Assumption: The insurance carriers WILL NOT send the 30 days' written notice of cancellation by Certified Mail; they will only send it via regular US mail. Can this provision be modified?

Response:

This is a question that will be addressed once we have a successful bidder.

Reference: General Provisions; Section 30; 30-07 c. Insurance: Special Hazards Insurance; ALL

Question/Assumption: Does the airport deem any operations of the Work to be performed Special Hazards Operations?

Response:

Yes, you will be required to have special Hazard insurance. Example would be working next to the Fuel Farm.

Reference: General Provisions; Section 30; 30-07 d. Insurance: Builder's Risk Insurance; ALL

Question/Assumption: Is the Contractor required to provide Builders Risk coverage? Will an Installation Floater with \$500,000 Limits be accepted in lieu of a Builders Risk policy?

Response:

Installation Floater is adequate.

Reference: BID SPECS 18-014 18100 05302018

Section 28 13 00 – Access Control

Page 28 13 00-1; Part 1 General; Section 1.3 General Operation Description

1.3.A.9 – *The existing C-CURE database shall be imported into the new system.*

Question/Assumption: There is no direct data transfer from C-CURE to Gallagher. Please confirm that export and import or manual duplication of relevant data (cardholders, clearances, etc.) meets the requirement outlined in this section. If this interpretation is not correct, please clarify the requirement.

Response:

The existing C-CURE database will be imported into the new system. The means for importing data by the installing trade to accomplish the task was not stipulated.

Reference: BID SPECS 18-014 18100 05302018

Section 28 13 00 – Access Control

Page 28 13 00-1; Part 1 General; Section 1.3 General Operation Description

1.3.A.10 – *The existing C-CURE system shall operate at the same time the new system is being installed. Two cards will be required for the operation while the new system is being installed.*

Question/Assumption: Confirm that the expectation for this requirement is that all cardholders will receive new credentials as part of the initial phase of the project. This credential will provide access to all new areas as they are migrated to the new system. Cardholders will maintain their existing credential for access to existing C-CURE areas until they are successfully migrated. No interface between C-CURE and Gallagher is expected? If this interpretation is not correct, please clarify the requirement.

Response:

The interpretation is correct except the new cards will go out in phases based on areas activated and the personnel using the activated equipment. The issuer of the cards (the Owner) will need five (5) business days of notice to issue new cards to personnel in the areas being activated. This will be coordinated throughout the project.

Reference: BID SPECS 18-014 18100 05302018

Section 28 13 00 – Access Control

Page 28 13 00-2; Part 1 General; Section 1.3 General Operation Description

1.3.B.5 – *Allow video and finger print verification at vehicle gate 33.*

Question/Assumption: The requirement above is interpreted as a request for installation of a biometric reader at this location for validating a person's identity and authorization to access vehicle gate 33. Please clarify the reference to video verification.

Is this to be a popup of the cardholder's photo when access is granted?

Is this for positioning of a video surveillance camera to enable security personnel to visually identify a cardholder attempting to gain access?

Is this a facial recognition requirement?

Response:

Video verification is based on the image storage with prox card credentials that popup on the screen when the card is used and the security personnel viewing the user through a camera.

Reference: BID SPECS 18-014 18100 05302018

Section 28 13 00 – Access Control

Page 28 13 00-4; Part 1 General; Section 1.7 Warranty, Services

1.7.C – *Qualified service and parts shall be available to call on within a 75-mile basis.*

Question/Assumption: Should bidders include a spare parts inventory to include critical system component to ensure parts are on hand for expedited service or is the manufacturer's advanced replacement sufficient to meet the above requirement? If a spare parts allocation should be included, should it be based upon a percentage of parts being deployed, a specific dollar value or other criteria? Please advise for both Access Control and CCTV.

Response:

Service personnel shall be located within 75 miles of the airport. Next day delivery from notification of issue shall be required for parts.

Reference: BID SPECS 18-014 18100 05302018

Instructions to Bidders

Page IB-12; #14 Rejection of Bids; Negotiation with Apparent Low Bidder

14.1 – Bids containing any omission, alterations of form, or forms other than those provided by Commission, additions, exceptions or conditions not called for, conditional or alternate bids unless called for, and incomplete bids, may be considered non-responsive or irregular and may be rejected.

Question/Assumption: The above instruction to bidder's notes that alternate bids may be considered non-responsive or irregular and may be rejected. The RFP documents imply that Gallagher is the preferred vendor or system of choice. Given that the existing system is C-CURE 800, the Roanoke Regional Airport could benefit significantly from a migration to C-CURE 9000. While it is understood that the Airport has had difficulties with the existing system, the newer software and hardware offer increased functionality and stability that could be of great benefit both technically and financially. Will the Airport consider removing Clause 14.1 to allow for an additional bid with a comparison matrix to be accepted?

Response:

No, only one bid per Contractor. Gallagher is only the basis of design and sets the standard for the system required.

Reference: BID SPECS 18-014 18100 05302018

Section 28 13 00 – Access Control

Page 28 13 00-5; Part 2 Products; Section 2.2 Materials & Equipment

2.2.B.8 – *T11 Proximity – T20 Proximity/PIN*

Question/Assumption: Does the Roanoke Regional Airport prefer white or black readers? Are multi-technology readers preferred for interoperability with existing credentials or will the new readers be strictly mifare?

Response:

Color for prox, prox/pin shall be black. The prox, prox/pin readers will not be magnetic reader capability. The users will carry two (2) types of cards as needed (existing magnetic and new prox badges). The two systems will be up and running until all of the devices are replaced and new devices are operational.

Reference: BID SPECS 18-014 18100 05302018

Section 28 13 00 – Access Control

Page 28 13 00-5; Part 2 Products; Section 2.2 Materials & Equipment

2.2.B.10 – *Finger Print Reader Safran Morphoaccess VP Series single finger print reader.*

Question/Assumption: Confirm whether the biometric readers should be finger print only (VP-BIO) or finger print and mifare credential (VP-DUAL) for dual authentication?

Response:

The finger print reader shall be a VP-BIO. The system will require three (3) steps for verification (prox/pin, visual and finger print).

Reference: BID SPECS 18-014 18100 05302018

Section 28 20 00 – Electronic Surveillance

Page 28 20 00-6; Part 2 Products; Section 2.2 Materials & Equipment

2.2.E.1 – Network Cabling – *All data cabling for CCTV cameras shall be installed by the data cabling trade as coordinated by the CCTV installing trade. Provide one (1) data cable to each CCTV camera.*

Question/Assumption: The data cabling installer will be responsible for the installation of all CAT6 network cabling. Based on the above, are they also providing the cable or is the CCTV installer to provide the cable and coordinate the installation with the data cabling trade?

Response:

The data cabling and installation are under the control of the Division 28 trade doing the camera installation. The specification for the cabling is in Division 27. The Division 28 trade can coordinate with Division 27 trade to have them install and provide the cabling for the Division 28 trade. By the specifications the Division 28 trade shall carry the cost of the camera cabling and installation.

Reference: BID SPECS 18-014 18100 05302018

Section 28 20 00 – Electronic Surveillance

Page 28 20 00-6; Part 2 Products; Section 2.2 Materials & Equipment

2.2.G – Poles and Foundations

Question/Assumption: Confirm that all poles and foundations will be provided by others and is not the responsibility of the Access Control or CCTV Installer?

Response:

The poles and foundation are under the control of the Division 28 trade doing the camera installation. They can coordinate with Division 26 trade to have them install the poles and foundation for the Division 28 trade. By the specifications the Division 28 trade shall carry the cost of the poles and foundations.

Reference: BID SPECS 18-014 18100 05302018

Section 28 20 00 – Electronic Surveillance

Page 28 20 00-8; Part 3.3 Technical Assistance

3.3.A – *Instruction shall be video-taped and turned over to the Owner.*

Question/Assumption: Please confirm that the recording equipment, setup, recording and media is the responsibility of the access control/CCTV contractor?

Response:

This work is under the control of the Division 28 contractor. The work per specification section shall be the responsibility of the trade doing the work.

Reference: BID SPECS 18-014 18100 05302018

Section 28 20 00 – Electronic Surveillance

Page 28 20 00-8; Part 3.3 Technical Assistance

3.3.B – Programming: The CCTV System Trade shall provide initial programming to suit the Owner's initial operation and provide additional on-site technical support for two (2) eight (8) hours days. The CCTV System Trade shall provide initial programming to suit the Owner's initial operation and provide additional on-site technical support for three (3) eight (8) hours days in addition to the classroom instruction.

Question/Assumption: Please confirm the above is not a duplicate and that the requirement is for five (5) total days, forty (4) total hours of additional support post system programming and training?

Response:

Provide five (5) days at eight (8) hours a day of programming and technical support.

Reference: General
Existing Controller List

Question/Assumption: Can the Owner provide a listing of the existing controller types per location?

Response:

We do not have a comprehensive existing Controller List.

Reference: General

Existing equipment to be reused.

Question/Assumption: Please confirm if bidder should assume that existing access control power supplies, cabling, locking hardware, door contacts and request to exit devices are in good working order and should be reused where applicable?

Response:

Yes, this is also noted on the drawings.

Reference: General Provisions; Section 130

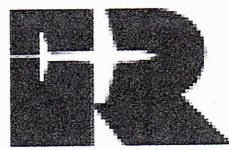
A4 Buy American Preference

Page GP 130-5 – GP 130-8; All

Question/Assumption: The preferred product, Gallagher, is a non-domestic product. Given that there is no comparable 100% American-made solution that would allow for a comparison of detailed cost information for total project using US domestic product against detailed cost information for total project using non-domestic product, when applying for a Type 4 Waiver, is it adequate to estimate the cost when no comparable American product exists?

Response:

For the comparison, provide the best possible or estimated price for an 100% American made product or system that can be made or modified or improved to meet the requirements of the basis of design system.



ROANOKE-BLACKSBURG REGIONAL AIRPORT

DBE Information

Pre-bid meeting

**Security Access Control and Video Surveillance Upgrades project
Friday June 8th @ 9:00 am**

As a recipient of Federal funds from the U.S. Department of Transportation, the Airport is required to establish goals for the participation of Disadvantaged Business Enterprises on federally-funded projects.

To be in compliance with the Airport's DBE Program bidders must:

1. Document that it has obtained enough DBE participation to meet the DBE project goal of **2.3%**.

Or

2. Document that it made adequate GFEs to meet the goal even though the bidder was unsuccessful in meeting it.

Counting DBE Participation

- Count 100% participation by DBE firm conducting work with its own forces
- Must perform 'commercially useful function' – 30%
- Count 100% of a DBE's fees/commissions
- Count 100% of expenditures with DBE manufacturer
- **Count 60% of expenditures with DBE supplier/dealer**

DBEs must be certified by the Virginian Unified Certification Program

Certifying Agencies:

- Department of Small Business and Supplier Diversity
- Metropolitan Washington Airport Authority

******SWAM certification without DBE certification cannot be counted toward DBE participation.******

<https://directory.sbsd.virginia.gov/#/>

PRE-BID MEETING AGENDA

Security Access Control and Video Surveillance System Upgrades

Roanoke-Blacksburg Regional Airport
Roanoke, Virginia

AIP Project No. 3-51-0045-Pending
RRAC Bid No. 18-014
AEG Project No. 18100
June 8, 2018

1. Introductions & Attendance List

2. Plans & Specifications Availability

3. Bid Submission & Opening

4. Addendums & Bidder Questions

5. Project Scope & Funding Sources

6. Review of General Provisions

7. Review of Technical Specifications

8. Review of Plans

9. Other Discussion Items

10. Site Visit

PRE-BID MEETING OUTLINE

Security Access Control and Video Surveillance System Upgrades

Roanoke-Blacksburg Regional Airport
Roanoke, Virginia

AIP Project No. 3-51-0045-Pending
RRAC Bid No. 18-014
AEG Project No. 18100
June 8, 2018

1. **Introductions & Attendance List**
 - a. Distribute Agenda
 - b. Circulate attendance list and make sure all sign
 - c. Have all attendees introduce themselves and their company/agency
 - d. Note that the attendance list will be attached to next Addendum.

2. **Plans & Specifications Availability**
 - a. Note where P&S can be reviewed or acquired. (Plan Rooms and AEG)
 - b. Note that bid addenda will be posted at Plan Rooms and Emailed to plan holder by AEG.

3. **Bid Submission & Opening**
 - a. Review particulars for Bid Submission
 - i. Date and time due: June 29, 2018 2:00 p.m.
 - ii. Location for mail submission (see spec book)
 - iii. Location for hand delivery submission (see spec book)
 - iv. Envelope labeling requirements (see spec book)
 - b. Note location for Bid Opening: RRAC Conference Room
 - c. Note ***Bids must include schedule of values for each part to assist the Owner in evaluating the bids. Part A – AIP, Part B – Non AIP and mobilization***
 - d. The bid security shall be enforceable for 90 days not 60 days. IB-8 11.3
 - e. The commission will provide notice of award within 90 days. IB-13 15.1

4. **Addendums & Bidder Questions**
 - a. Note that addenda will be issued
 - b. Addenda will address design changes, pre-bid attendance, Q&A, and other necessary clarifications
 - c. Review bidder Questions protocol:
 - i. Questions must be received in writing **no later than 5 p.m. June 20, 2018**
 - ii. Q&A to be included in addenda for benefit of all bidders
 - iii. Submit question via email

PRE-BID MEETING OUTLINE

5. Project Scope & Funding Sources

- a. Describe general project scope – use plan sheets or aerial photo to help
- b. Discuss funding sources and how they may impact the project (e.g. AIP projects require use of FAA specifications)
- c. Advise bidders of projected timing of funding, as it pertains to contract award and holding of bid prices: **Expect late summer construction start (maybe mid-August start).**

6. Review of General Provisions & Special Provisions

FOCUS ON ITEMS WHICH IMPACT BID PRICING OR SUBMISSION

Section 10 Definition of Terms

- 10-33 Major Item - Any item listed in the proposal where the total cost is equal to or greater than 20% of the total amount of the awarded contract.
- 10-33 Minor Item - All other items.
- 10-56 Working Day – (See Specifications)
- 10-57 Construction Time - (See Specifications) Administrative Phase 90 days – Construction Phase 250 day - in the bid form

Section 20 Proposal Requirements & Conditions

- 20-02 Prequalifications (See specs yellow areas)
- 20-05 Proposal Quantities are estimates of quantities for comparison of bids only. (Schedule of values provided with bid phases.)
- 20-07 Written words or typed words are required in the proposal (confirm this). (See specifications.)
- 20-09 Bid Irregular. (See specs)
- 20-10 Bid Bond/Certified Check of **5%** of bid price must be submitted with your proposal.
Addendums to be acknowledged in proposal by # and date. At least one will be issued.

Section 30 Award and Execution of Contract

- 30-02 Contract to be awarded within **90** calendar days.
- 30-05 Contract Bonds shall include 100% Performance and Labor and Material Payment. These bonds shall remain in force for one year from final acceptance.

PRE-BID MEETING OUTLINE

30-07 Commercial General Liability Insurance \$5M Combined Single Limit to include Contractual, Owners and Contractors Protective, and Personal Injury. Automobile Liability Insurance shall have single limits of at least \$1M Combined per occurrence unless driving inside the AOA it is \$5M.

Section 40 Scope of Work

40-02 Owner reserves right to make changes to quantities as required to complete the work in an acceptable manner.
40-02 Total Contract Cost or any major contract item cost may not change by more than 25% of Awarded Contract. (In excess of this will be covered by Supplemental Agreement).

Section 50 Control of Work

50-05 5 copies of Plans and Specs to the Contractor
50-06 Contractor shall coordinate with other contractors.
50-07 Stakeout - Contractor responsible for staking, layout and preservation.

Section 60 Control of Materials

60-04 Plant Inspections
60-05 Field Office
60-09 Shop Drawings (Will be paper copies and electronic PDF format)
60-09 Operations and Maintenance Manuals

Section 70 Legal Relations and Responsibility to Public

70-02 Permits
70-04 Facilities and Utilities Contacts

Section 80 Prosecution and Progress

80-01 Prime Contractor - is required to complete 25% of all work.
80-03 CPM Progress Schedule - is required before Pre-Construction Meeting.
80-07 Contract time - in calendar days includes weekends, holidays and non-working days. Timely completion is essential to the Owner. – 85% of the days for productive work.
80-08 Calendar Days and Liquidated Damages
80-11 Storage of materials and equipment – 400 feet

PRE-BID MEETING OUTLINE

Section 90 Measurement and Payment

90-06 Partial Payments - may be made monthly.

90-06 Retainage - 5% retainage will be withheld.

Section 100 Contractor Quality Control Program

FAA's Quality Control Program.

Requirements for Quality Control Personnel - Specific Education and Experience.

Guidelines for establishing and documenting Quality Control Testing.

The requirements of this section will be strictly enforced.

This will apply to the concrete used in the project.

Section 105 Mobilization

Note [payment is metered out over requests](#), with final 10% paid after Final Inspection.

Contractor should review formula and payment distribution.

Section 110 Percent Within Limits

Method of estimating percentage of material within specifications limit (PWLs). This should only apply to concrete.

Section 130 Construction Safety (*Note: Project specific markup as required*)

Advise Contractor To Review Thoroughly

Safety - FAA AC 150/5370-2E "Operational Safety on Airports During Construction" Discusses closed runway/taxiway markers, flags and/or lights on all vehicles, etc.

Ground radio capable of 2-way communications with frequency 121.9 MHz required (Ground.)

Unicom 122.95/ ATCT 118.3

Discussion – Alex Plaza indicated the radio communication with tower and airport would not be required if work at Runways and Taxiways stayed outside of the service / access road. In addition, Runways and Taxiways should not require closing due to work that is done outside of the service / access roads going around the airfield. This will be verified in the Safety Plan.

Section 130 FAA Special Provisions

FAA Boilerplate

Work force Goals - Minority participation 2.3%; Female participation 6.9%

EEO Clause Contractor is advised to read

DBE Goal - goal is 2.3%

Contractor must document efforts to attain DBE goal. **Emphasize** Proposed DBE subs and or **good faith effort** documentation shall be provided **within five days of bid opening**. May want to have Owner chime in to explain level of scrutiny anticipated.

PRE-BID MEETING OUTLINE

Davis-Bacon Wage Rates shall apply to the project. If classifications are missing send letter requesting determination to Engineer. The Engineer will coordinate with FAA who will coordinate with the Department of Labor. Bidders should not expect a determination before bid opening (can take 6-12 months). BUY AMERICAN – Increased scrutiny by FAA for compliance

.AIRPORT SAFETY – Contractors - Go over and understand it's importance.....

Special Provisions

150-05 Non-AIP Insurance allowance (not all regions – confirm) – allowance \$\$ will not be used in bid comparison.

150-07 Pavement Loadings – Contractor shall satisfy him/herself on suitability of pavements to be used for haul, etc. Contractor responsible for repair of any damage.

150-13 Project schedule 2 weeks prior to pre construction meeting for each phase

150-14 Time Extensions – contract provides allowance for 15 % non-productive days

BID FORM –

Part A AIP

Part B Non AIP

Mobilization

Schedule of Values

PHASES

Administrative:

- 90 days
- Shop drawings
- Background checks
- Testing
- Training
- Badging
- Material acquisition

Construction:

250 days

Phasing of work

Technical Specification

- Material Storage
- Conex Box

PRE-BID MEETING OUTLINE

- Shop Drawings and O&Ms
- Ceiling tiles
- Trenching, Boring, angering, Protect runoff on downhill side of work
- Protection of runoff 260534 3.9
- No division 31 – all excavation / trenching, boring, angering, back filling, bedding and reseeding by Division 26 Addendum item
- Data network – components specified as basis off design. Equals are allowed
- Access control– components specified as basis off design. Equals are allowed
- CCTV cameras– components specified as basis off design. Equals are allowed

Plan Review

- Phasing
- General layout

Discussion Items

Site Visit

PREBID MEETING ATTENDANCE

RRAC Bid No. 18-014

PROJECT:	Security Access Control and Video Surveillance System Upgrades				
AIRPORT:	Roanoke Blacksburg Regional Airport				
DATE:	6/8/2018	TIME:	9:00 A.M.	LOCATION:	RRAC Conference Room

NAME	REPRESENTING	PHONE NO.	EMAIL ADDRESS
1. ERIN HENDERSON	RRAC	540-362-1999	ERINH@FLYROA.COM
2. REBECCA WILKINS-HUFFMAN	RRAC	540-362-1999	rebeccawh@flyroa.com
3. BEN COOK	RRAC	540-362-1999	ben.cook@flyroa.com
4. Alex Plaza	RRAC	540-362-1999	alex?@flyroa.com
5. DAVID J GAVOUR	RRAC	4	davidj@flyroa.com
6. Diana Lewis	RRAC	540 362-1999	diana.lewis@flyroa.com
7. BILL ADKINS	SIEMENS	540 761 0536	WILLIAM.ADKINS@SIEMENS.COM
8. Jay Dalton	Team Fishel	804-624-1963	JTDalton@teamfishel.com
9. Jamie Chrisman	Team fishel	804-727-9419	HChrisman@teamfishel.com
10. Charles Nagy	B.I.T	897-540-8822	Charles.Nagy.7383@gmail.com
11. ERICH SKOMSKY	IES	540-777-1940	ERICH.SKOMSKY@IESCOMM.COM

PREBID MEETING ATTENDANCE

RRAC Bid No. 18-014

12.	Will Schneider	IES	540-874-6232	will.schneider@iescomm.com
13.	Daniel Hallberg	Bailey Systems	571-253-6022	dhallberg@baileysystems.net
14.	Joe Bailey	Bailey Systems	703-362-5826	jbailey@baileysystems.net
15.	Steven Lawrence	Templeton Vest	540-355-5709	slawrence@templeton-vest.com
16.	Daniel Richards	Templeton Vest	434-941-2458	drichards@templeton-vest.com
17.	Scott Barker	Kegley	540-769-9060	SBARKER@Kegleyelectric.com
18.	Ryan Fultz	Integrated Security	540-204-1314	RFULTZ@ISTONLINE.COM
19.	Matt Walls	Integrated Security, Tech	540 581 2838	MWALLS@istonline.com
20.	Steve Bethel	^{VIGILANT PLATFORMS} AFA ^{AND} Protective Systems	434-534-2333	SBethel@AFAP.com
21.	Darren Wieder, Eric Sutphin for	Convergent Tech.	(804) 641-3030	Darren.Wieder@ ^{convergent} .com
22.				
23.				
24.				
25.				
26.				

Security Access Control And Integrated Video Surveillance System Upgrades

Bid 18-014

AIP GRANT NO. 3-51-0045-Pending

Pre-Bid Meeting June 8, 2018 – 9:00 AM

Bid Due June 29, 2018, 2:00 PM

Plan Holders List

Plan Room

Emily			emilyvcn@yahoo.com
Greg Brooking	Plan Room	804 780-1060	largeformat@bizportdoes.com
Kristy Osborn	Plan Room	800.364.2059	Kristy.Osborn@constructconnect.com
Amy Ejercito	Plan Room	323 602-5079	amy.ejercito@ConstructConnect.com

Prospective Bidders

Michael Pace	Team Fishel,	T804-228-3905 M 804-615-0783	mpace@teamfishel.com
Aaron Lee	Entinu Communications, LLC	P.703-956-1430 M. 410-598-6666	alee@entinu.com
Christina Pryka	Condortech,	O: 703 916 9200	cpryka@condortech.com
Joe Mueller	Madelent		JMuedler@madelent.com
Ryan Fultz	Istonline		rfultz@istonline.com
Tom Leonard	Templeton Vest		tleonard@templeton-vest.com
Phillip Booth	Templeton Vest		pbooth@templeton-vest.com
Bill Adkins	Siemens		william.adkins@siemens.com
Anders Blixt	Siemens		Anders.blixt@siemens.com
Wes Smith	Siemens		wes.smith@siemens.com
JP Das	Education Intelligence, Inc.	P. 615.519.7539	JPDas@eii-usa.com procurement@eii-usa.com
Gene Bayer	LORD-Bayer-Associates	p 804 267 5673	GENE@LORD-Bayer-Associates.com
Will Schneider	IES	P. 540 777 1940 m 540874 6238	Will.Schneider@iescomm.com
Steve Bethel	AFA Protective System	m 434 534 2333	sbethel@afap.com
Erich Skomsky	IES	P 540 777 1940	erich.skomsky@iescomm.com
Eric Sutphin	Convergint Tech	p 804 358 4100 m 703 220 1673	eric.sutphin@convergint.com
Daniel Hallberg	Bailey Systems	p 571 253 6022 m 571 265 5643	dhallberg@baileysystems.net
Seth Jamison	Jamison Electric	P 540-483-1940	seth@JamisonElectricinc.com
Doug Dickinson	Panasonic Security Products	P 202 339 7106	Doug.Dickinson@us.panasonic.com
Jennifer Christianson	epitome networks	P 540-344-5563	jchristianson@epitomenetworks.com

Bret Wesson	Level 8 Technology, LLC	P 540 416 9380	bret.wesson@level8tech.net
Bill Adkins	Siemens	P 540 563 8877	william.adkins@siemens.com