

August 26, 2010

#### **ADDENDUM NO. 3**

Re: Solicitation No. 7005316 - DFW Airport Security Surveillance System Upgrade/Expansion

# Bid Due Date of September 3, 2010 @ 2:00 p.m. Local Time (DFW) has not changed.

Please be advised of the following changes or clarifications to the above referenced Solicitation:

#### CHANGES:

Contract General Provision

 General Provision Table of Contents – Remove the caption "This Provision is not applicable to Contract 7005316 from the following General Provision Table of Contents: GP 6 Contractor Cost Reduction Proposals; GP 23 – Substantial completion; GP 30 Table of Contents and GP 30 "Variation in Estimated Quantities;

### Contract Special Provision

2. Contract Special Provision No. 1 – Contract Term. Delete Special Provision No. 1 (B) (3) Optional Hardware and Software Maintenance.

Division 1 – Section 01010- Statement of Work

- 3. Statement of Work, Section 01010, PART 3 TECHNICAL REQUIREMENTS Article 3.02 Zenitel IP Voice Communications Subsystem, page 13: Add Article 3.02B
  - B. Contractor shall be required to use Zenitel Professional Services for the programming of all fields, functions and operations of the voice communications systems (VMS) database. Once the VMS database has been programmed contractor shall be required to demonstrate proper functionality and operations of the VMS to the satisfaction of DFW Airport
- 4. Statement of Work, Section 01010, PART 5 COMPUTER ROOM EXPANSION REQUIREMENTS Article 5.07 Electronic Systems-DVR (Digital Video Recording System Installation, at subparagraph (E) (c), page 51, add items 8-11.

5.07(E)(C) Paragraph E sub-paragraph c, Analog voice recording subsystem, items 8 through 11 are added and read as following:

- 8. The overall nice recording environment shall provide functionality for the recording of a Harris trunked radio system that included 10-channels of 800MHz in dedicated public safety spectrum and 5 channels of 800MHz mutual aid all in an EDACS system, 5 channels of 700MHz general use and 5 channels of 700 mutual aid in a P-25 system, 5 channels of 700/800Mhz in an OpenSky system and 5 channels of 800Mhz commercial spectrum in a P-25 system
- 9. The overall NICE recording environment must provide functionality for recording up to 75 IP phone lines and 25 analog phone lines
- 10. The overall NICE recording environment must provide license for 15 concurrent users of the audio recording subsystem

- 11. The overall NICE recording environment must provide Nice Vision NVR with encoders with recording capacity for 100 analog microphones.
- 5. Statement of Work, Section 01010, PART 5 Article 5.014 (A) (b) (1), page 01010-69. Change from "... and install six (6) custom Zenitel IP-based Master stations..." to read "... and install six (6) Zenitel IP-based Master stations...". The part numbers for this requirement are items 38 and 39 of the Unit Price List.
- 6. Statement of Work , Section 01010 –PART 6 TERMINAL "A" EXPANSION REQUIREMENTS; Article 6.02; TERMINAL –A PRIMARY FIBER PATH
  - 6.02 (A) Delete Paragraph A and add the following: Contractor shall perform the installation of an additional fiber optic cable throughout the passenger terminal. Contractor shall be required to <u>install 24 additional strands of single mode fiber</u> to each NAP location on the existing security conduit system as identified at Exhibit A-2 which is part of this Statement of Work".
- 7. Statement of Work, Section 01010 –PART 6 TERMINAL "A" EXPANSION REQUIREMENTS; Article 6.02; TERMINAL --A PRIMARY FIBER PATH
  - 6.02 (P) Delete Paragraph P and replace with the following: Contractor shall establish <u>primary</u> <u>pathway fiber optic connectivity</u> for each NAP on the conduit system and in all sections of the terminal building from the individual NAP location directly to FOTP-2 utilizing the 24-stand single mode fiber optic link that was installed under the requirements of this Part-6 of this Statement of Work.
- 8. Statement of Work , Section 01010 –PART 6 TERMINAL "A" EXPANSION REQUIREMENTS; Article 6.02; TERMINAL –A PRIMARY FIBER PATH
  - 6.02 (Q) Delete Article Q and replace with the following: "Contractor shall establish <u>secondary pathway fiber optic connectivity</u> for each NAP on the conduit system and in the <u>A-Section of the terminal building</u> from the individual NAP location in the A-section, through FOTP-1 to FOTP-2 utilizing existing stands of a 12-strand single mode fiber optic link that is already in place between each of the A-section NAP locations and FOTP-1.
- 9. Statement of Work, Section 01010 –PART 6 TERMINAL "A" EXPANSION REQUIREMENTS; Article 6.02; TERMINAL –A PRIMARY FIBER PATH
  - 6.02 (R) Delete Article R and replace with the following: "Contractor shall establish <u>secondary</u> <u>pathway fiber optic connectivity</u> for each NAP on the conduit system and in the <u>B-Section of the terminal building</u> from the individual NAP location in the B-section, through FOTP-2 utilizing existing stands of a 12-strand single mode fiber optic link that is already in place between each of the B-section NAP locations and FOTP-2
- 10. Statement of Work , Section 01010 –PART 6 TERMINAL "A" EXPANSION REQUIREMENTS; Article 6.02 TERMINAL –A PRIMARY FIBER PATH
  - 6.02 (S) Delete Article S and replace with the following: "Contractor shall establish <u>secondary pathway fiber optic connectivity</u> for each NAP on the conduit system and in the <u>C-Section of the terminal building</u> from the individual NAP location in the C-section, through FOTP-3 to FOTP-2 utilizing existing stands of a 12-strand single mode fiber optic link that is already in place between each of the C-section NAP locations and FOTP-3
- 11. Statement of Work, Section 01010 –PART 6 TERMINAL "A" EXPANSION REQUIREMENTS; Article 6.06 TERMINAL-A –IPCAMERA INSTALLATION
  - 6.06 (I), page 89, Delete "All cameras in Schedule -A are fixed Panasonic analog cameras and will be replaced with fixed Panasonic IP cameras" and replace with the following: "All cameras in Schedule-A are fixed Panasonic analog cameras and will be replaced with fixed IP cameras in compliance with the requirements of specification 13730 which is part of this Statement of Work".

- 12. Statement of Work, Section 01010 –PART 7 TERMINAL "B" EXPANSION REQUIREMENTS; Article 7.02 TERMINAL –B PRIMARY FIBER PATH
  - 7.02 (A) Delete Paragraph A and replace with the following: "Contractor shall perform the installation of an additional fiber optic cable throughout the passenger terminal. Contractor shall be required to install 24 additional strands of single mode fiber to each NAP location on the existing security conduit system as identified at Exhibit B-2 which is part of this Statement of Work"
- 13. Statement of Work , Section 01010 –PART 7 TERMINAL "B" EXPANSION REQUIREMENTS; Article 7.02 TERMINAL –B PRIMARY FIBER PATH
  - 7.02 (P) Delete Paragraph P and replace with the following: Contractor shall establish <u>primary</u> <u>pathway fiber optic connectivity</u> for each NAP on the conduit system and in all sections of the terminal building from the individual NAP location directly to FOTP-2 utilizing the 24-stand single mode fiber optic link that was installed under the requirements of this Part-7 of this Statement of Work
- 14. Statement of Work, Section 01010 -- PART 7 TERMINAL "B" EXPANSION REQUIREMENTS; Article 7.02 TERMINAL -- B -- PRIMARY FIBER PATH
  - 7.02 (Q) Delete Paragraph Q and replace with the following: Contractor shall establish <u>secondary pathway fiber optic connectivity</u> for each NAP on the conduit system and in the <u>A-Section of the terminal building</u> from the individual NAP location in the A-section, through FOTP-1 to FOTP-2 utilizing existing stands of a 12-strand single mode fiber optic link that is already in place between each of the A-section NAP locations and FOTP-1.
- 15. Statement of Work , Section 01010 –PART 7 TERMINAL "B" EXPANSION REQUIREMENTS; Article 7.02 TERMINAL –B PRIMARY FIBER PATH
  - 7.02 (R) Delete Paragraph R and replace with the following: "Contractor shall establish <u>secondary pathway fiber optic connectivity</u> for each NAP on the conduit system and in the <u>B-Section of the terminal building</u> from the individual NAP location in the B-section, through FOTP-2 utilizing existing stands of a 12-strand single mode fiber optic link that is already in place between each of the B-section NAP locations and FOTP-2
- 16. Statement of Work, Section 01010 –PART 7 TERMINAL "B" EXPANSION REQUIREMENTS; Article 7.02 TERMINAL –B PRIMARY FIBER PATH
  - 7.02 (S) Delete Paragraph S and replace with the following: "Contractor shall establish secondary pathway fiber optic connectivity for each NAP on the conduit system and in the C-Section of the terminal building from the individual NAP location in the C-section, through FOTP-3 to FOTP-2 utilizing existing stands of a 12-strand single mode fiber optic link that is already in place between each of the C-section NAP locations and FOTP-3
- 17. Statement of Work , Section 01010 –PART 7 TERMINAL "B" EXPANSION REQUIREMENTS; Article 7.06 TERMINAL –B –IP CAMERA INSTALLATION
  - 7.06 (i), page 107, Delete "All cameras in Schedule –B are fixed Panasonic analog cameras and will be replaced with fixed Panasonic IP cameras" and replace with the following: "All cameras in Schedule-B are fixed Panasonic analog cameras and will be replaced with fixed IP cameras in compliance with the requirements of specification 13730 which is part of this Statement of Work".
- 18. Statement of Work , Section 01010 –PART 8 TERMINAL "C" EXPANSION REQUIREMENTS; Article 8.02 TERMINAL –C PRIMARY FIBER PATH
  - 8.02 (A) Delete Paragraph A and replace with the following: "Contractor shall perform the installation of an additional fiber optic cable throughout the passenger terminal. Contractor shall be required to install 24 additional strands of single mode fiber to each NAP location on the existing security conduit system as identified at Exhibit C-2 which is part of this Statement of Work"

- 19. Statement of Work , Section 01010 –PART 8 TERMINAL "C" EXPANSION REQUIREMENTS; Article 8.02 TERMINAL –C PRIMARY FIBER PATH
  - 8.02 (P) Delete Paragraph P and replace with the following: Contractor shall establish <u>primary</u> <u>pathway fiber optic connectivity</u> for each NAP on the conduit system and in all sections of the terminal building from the individual NAP location directly to FOTP-2 utilizing the 24-stand single mode fiber optic link that was installed under the requirements of this Part-8 of this Statement of Work
- 20. Statement of Work , Section 01010 –PART 8 TERMINAL "C" EXPANSION REQUIREMENTS; Article 8.02 TERMINAL –C PRIMARY FIBER PATH
  - 8.02 (Q) Delete Paragraph Q and replace with the following: Contractor shall establish secondary pathway fiber optic connectivity for each NAP on the conduit system and in the A-Section of the terminal building from the individual NAP location in the A-section, through FOTP-1 to FOTP-2 utilizing existing stands of a 12-strand single mode fiber optic link that is already in place between each of the A-section NAP locations and FOTP-1.
- 21. Statement of Work , Section 01010 –PART 8 TERMINAL "C" EXPANSION REQUIREMENTS; Article 8.02 TERMINAL –C PRIMARY FIBER PATH
  - 8.02 (R) Delete Paragraph R and replace with the following: "Contractor shall establish <u>secondary pathway fiber optic connectivity</u> for each NAP on the conduit system and in the <u>B-Section of the terminal building</u> from the individual NAP location in the B-section, through FOTP-2 utilizing existing stands of a 12-strand single mode fiber optic link that is already in place between each of the B-section NAP locations and FOTP-2
- 22. Statement of Work , Section 01010 –PART 8 TERMINAL "C" EXPANSION REQUIREMENTS; Article 8.02 TERMINAL –C PRIMARY FIBER PATH
  - 8.02 (S) Delete Paragraph S and replace with the following: ""Contractor shall establish secondary pathway fiber optic connectivity for each NAP on the conduit system and in the C-Section of the terminal building from the individual NAP location in the C-section, through FOTP-3 to FOTP-2 utilizing existing stands of a 12-strand single mode fiber optic link that is already in place between each of the C-section NAP locations and FOTP-3
- 23. Statement of Work , Section 01010 –PART 8 TERMINAL "C" EXPANSION REQUIREMENTS; Article 8.06 TERMINAL –C –IP CAMERA INSTALLATION
  - 8.06 (i), page 126, Delete "All cameras in Schedule –C are fixed Panasonic analog cameras and will be replaced with fixed Panasonic IP cameras" and replace with the following: "All cameras in Schedule-C are fixed Panasonic analog cameras and will be replaced with fixed IP cameras in compliance with the requirements of specification 13730 which is part of this Statement of Work".
- 24. Statement of Work, Section 01010 -- PART 9 TERMINAL "D" EXPANSION REQUIREMENTS; Article 9.04 TERMINAL -- D -- IP CAMERA INSTALLATION
  - 9.04 (G) page 139 Delete "All cameras in the Schedule-F are fixed American Dynamics analog cameras and will be replaces with fixed Panasonic IP cameras" and replace with the following: "All cameras in Schedule-F are fixed American Dynamic analog cameras and will be replaced with fixed IP cameras in compliance with the requirements of specification 13730 which is part of this Statement of Work".
- 25. Statement of Work, Section 01010 –PART 10 TERMINAL "E" EXPANSION REQUIREMENTS; Article 10.02 TERMINAL –E PRIMARY FIBER PATH
  - 10.02 (A) Delete Paragraph A and replace with the following: "Contractor shall perform the installation of an additional fiber optic cable throughout the passenger terminal. Contractor shall be required to install 24 additional strands of single mode fiber to each NAP location on the existing security conduit system as identified at Exhibit E-2 which is part of this Statement of Work"

- 26. Statement of Work, Section 01010 -- PART 10 TERMINAL "E" EXPANSION REQUIREMENTS; Article 10.02 TERMINAL -E -- PRIMARY FIBER PATH
  - 10.02 (P) Delete Paragraph P and replace with the following: Contractor shall establish <u>primary pathway fiber optic connectivity</u> for each NAP on the conduit system and in all sections of the terminal building from the individual NAP location directly to FOTP-2 utilizing the 24-stand single mode fiber optic link that was installed under the requirements of this Part-10 of this Statement of Work
- 27. Statement of Work, Section 01010 –PART 10 TERMINAL "E" EXPANSION REQUIREMENTS; Article 10.02 TERMINAL –E PRIMARY FIBER PATH
  - 10.02 (Q) Delete Paragraph Q and replace with the following: Contractor shall establish secondary pathway fiber optic connectivity for each NAP on the conduit system and in the A-Section of the terminal building from the individual NAP location in the A-section, through FOTP-1 to FOTP-2 utilizing existing stands of a 12-strand single mode fiber optic link that is already in place between each of the A-section NAP locations and FOTP-1.
- 28. Statement of Work , Section 01010 –PART 10 TERMINAL "E" EXPANSION REQUIREMENTS; Article 10.02 TERMINAL –E PRIMARY FIBER PATH
  - 10.02 (R) Delete Paragraph R and replace with the following: "Contractor shall establish secondary pathway fiber optic connectivity for each NAP on the conduit system and in the B-Section of the terminal building from the individual NAP location in the B-section, through FOTP-2 utilizing existing stands of a 12-strand single mode fiber optic link that is already in place between each of the B-section NAP locations and FOTP-2
- 29. Statement of Work, Section 01010 –PART 10 TERMINAL "E" EXPANSION REQUIREMENTS; Article 10.02 TERMINAL –E PRIMARY FIBER PATH
  - 10.02 (S) Delete Paragraph S and replace with the following: ""Contractor shall establish secondary pathway fiber optic connectivity for each NAP on the conduit system and in the C-section of the terminal building from the individual NAP location in the C-section, through FOTP-3 to FOTP-2 utilizing existing stands of a 12-strand single mode fiber optic link that is already in place between each of the C-section NAP locations and FOTP-3
- 30. Statement of Work , Section 01010 –PART 8 TERMINAL "E" EXPANSION REQUIREMENTS; Article 10.06 TERMINAL –E –IP CAMERA INSTALLATION
  - 10.06 (T), page 155, Delete "All cameras in Schedule –E are fixed Panasonic analog cameras and will be replaced with fixed Panasonic IP cameras" and replace with the following: "All cameras in Schedule-E are fixed Panasonic analog cameras and will be replaced with fixed IP cameras in compliance with the requirements of specification 13730 which is part of this Statement of Work".
- 31. Division 1 Section 13721 Delete Section 13721 page 1 (Listed as page number 13722-1) and replace with attached 13721 page 1-3.
- 32. Division 1 Section 13730 Delete Section 13730 in its entirety and replace with attached Section 13730 page 1 through 6.
- 33. Division 1 Add Section 13739 page 1 through 3, attached.
- 34. Add Items 18.5, 46, 47, 48, 49, 50, 51, 52, 53,54, 55, 56, 57, 58, 59 and is modified to correct item 15 to read Fixed IP Camera and change second 17 to 18. Delete Hardware Unit Price Listing and replace with the revised, attached Hardware Unit Price Listing containing items 1-59.
- 35. Questions and Answers See Attached

#### Attachments

- 1. Division 1 Section 13721
- 2. Division 1 Section 13730

- 3. Division 1 Section 13739
- 4. Revised Hardware Unit Price Listing
- 5. Questions and Answers

NOTE: A copy of this addendum shall be acknowledged by appropriate signature and attached to the submitted proposal. Bid opening date currently scheduled for September 3, 2010 @ 2:00 p.m. at DFW Airport's Procurement & Materials Management Building located a 3122 E 30<sup>th</sup> Street, DFW Airport, Texas 75261.

Company Name	
Signed	Date

If you have any questions regarding this matter, contact Mr. Greg Spoon during normal working hours (8:00 a.m. to 4:30 p.m., Monday through Friday) at 972-973-5676 (p), 972-973-5601(f) or at the email address bellis@dfwairport.com.

Sincerely,

William Hargett Ellis

Bill Ellis,

Sr. Contract Administrator

Procurement and Materials Management

# CCTV HEAD END EXPANSION PROJECT NETWORK VIDEO DECODER SPECIFICATIONS 13721

#### PART 1 - GENERAL

#### 1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Scope of Work Sections, apply to this Section.

#### 1.02 SUMMARY

A. This Section includes all materials and labor required for the installations, programming, testing, commissioning, and documentation of a Network Video Decoder as shown on the Drawings and specified herein.

#### 1.03 SUBMITTALS

- A. Shall include an equipment list, and data sheets, system description and block diagrams on equipment to be furnished.
- B. Shall include all data necessary to evaluate design, function, quality, and configuration of proposed equipment and system(s).
- C. Shall include manufacturer cut sheet on product proposed for installation.

#### 1.04 QUALITY ASSURANCE

- A. Installation shall comply with all applicable codes
- B. All Equipment shall be new, in current production, and the standard products of a manufacturer of digital video recording equipment. Manufacturer shall be certified as complying with all applicable standards for quality control.
- C. Manufacturer shall guarantee availability of parts, for a minimum of (7) years from date of shipment.
- D. If required, manufacturer shall be able to demonstrate features, functions, operating characteristics and clarity of sound to owner.

# E. System shall be installed via NICE Professional Services only.

F. System shall allow remote/off site programming. Manufacturer shall have the ability to access and make changes and troubleshoot the system (through customer provided modem).

### 1.05 WARRANTY

- A. System shall include a factory warranty that equipment is free from defects in design, material, manufacturing and operation.
- B. Factory Warranty period shall be for 36 months from date of system acceptance by owner representative.

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July 18, 2010 Technical Specifications Network Video Decoder

# CCTV HEAD END EXPANSION PROJECT NETWORK VIDEO DECODER SPECIFICATIONS 13721

C. Installing communications contractor shall guarantee the equipment, wire, cable, and installation for 24 months from the date of acceptance.

#### PART 2 - ACCEPTANCE

- A. Acceptance will be withheld until the successful completion of the following:
  - a. Acceptance of all submittals.
  - b. Delivery of final documentation.
  - c. System Compatibility.
  - d. Successful system interoperability.
  - e. Successful testing.
  - f. Successful demonstration, including training and documentation review.

# PART 3 - PRODUCT

- A. Decoders for analog video support
  - a. Manufacturer

**NICE Systems** 

b. Product type

Analog video Decoder

c. Restraints

NICE Part #: NVD-5104, No substitute product will be allowed

d. Documentation

Contractor may refer to manufacturer cut sheet

- B. Product Specification
  - a. Decoders
    - 1. Shall be NiceVision NVD-5104
    - 2. Shall support:
      - Video input from NiceVision encoders, NVRs and DVRs, 3rd party IP cameras, servers and encoders
      - Supports resolutions:
        - o CIF, SIF, 2CIF, 4CIF, D1, QVGA, VGA, UXGA, QXGA
      - Video decoding standards
        - o H264, MPEG-4, H.263+, M-JPEG MPEG-4, H.263+, M-JPEG
      - Streaming protocols
        - o RTP, UDP, TCP, IP, IGMP V2/V3 TCP, IP
      - Functionality
        - o Advanced playback trick mode: frame by frame, variable speeds, pause etc.
      - Video output display:
        - Full screen mode:
          - o 4 screens of CIF@RT each
        - 2x2 (Quad) mode:

# CCTV HEAD END EXPANSION PROJECT NETWORK VIDEO DECODER SPECIFICATIONS 13721

- o 3 screens of 4CIF@RT
- 3x3 mode:
  - o 2 screens of 4CIF@HRT each
- 4x4 mode:
  - o Single screen of CIF@RT
- Video standards
  - o PAL
  - o NTSC
- Interfaces:
  - Display outputs
    - o Composite Up to 4 composite monitors
    - o VGA/DVI Up to 4 x VGA/DVI monitors
  - Ethernet
    - o 10/100/1000 Mbps 10/100 Mbps
  - Audio
    - o Ready for audio output using sound blaster line output
- Dimensions
  - o W x D x H: 483 mm (19") x 355 mm (14") x 88 mm 2U (3.5")
- Weight:
  - o 9 kg (19.8 lb)
- Power supply
  - o 90-256 VAC full range; total output power 200W
- Environmental conditions
  - o 5° 40° C (40° 110° F)
  - o Humidity 20% 80% (non-condensing)
- EMC standards
  - o EC: EN 55022:98+A1(00)+A2(03), EN 55024:98+A1(01)+A2(03), IEC 61000, EN 61000-3-2:00, EN 61000-3-3:95+A1(01)
  - USA: FCC 47CFR, P15 Sub B:06; CAN/CSA-CISPR 22-02; AS/NSZ CISPR 22:2004
- Product safety standards
  - o EC: EN 60950-1:01 (II); US: UL 60950-1:03 (III), IEC 60950-1; CAN/CSA: C22.2 No 60950-1-03 (2003)
- 3. Shall include a single power supply with the option to add redundant power supply.
- 4. The DVMS shall auto-discover decoders that reside on the same VLAN upon a user request.
- 5. The DVMS shall provide the ability to batch-update firmware and static IP addresses in decoders.

### **END OF SECTION 13721**

#### PART 1 - GENERAL

#### 1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, Attached manufacturer cut/data/spec sheets, General and Supplementary Conditions and Scope of Work Sections, apply to this Section.
- B. The equipment submitted shall include all data necessary to evaluate design, function, quality, and configuration of proposed equipment and system(s), including data sheets, system description, system preliminary schematics and an itemized list of equipment being submitted

#### 1.02 SUMMARY

A. This section identifies expansion requirements of the DFW Airport Security Surveillance System.

This Section includes all materials and labor required for the installations, programming, testing, commissioning, and documentation of system requirements identified herein.

#### 1.03 SUBMITTALS

- A. Shall include an equipment list, and data sheets, system description and block diagrams on equipment to be furnished.
- B. Shall include all data necessary to evaluate design, function, quality, and configuration of proposed equipment and system(s).
- C. Shall include manufacturer cut sheet for actual camera proposed for installation

### 1.04 QUALITY ASSURANCE

- A. Installation shall comply with all applicable codes
- B. All Equipment shall be new, in current production, and the standard products of a manufacturer of digital video recording equipment. Manufacturer shall be certified as complying with all applicable standards for quality control.
- C. Manufacturer shall guarantee availability of parts, for a minimum of (4) years from date of shipment.
- D. If required, manufacturer shall be able to demonstrate features, functions, operating characteristics.

#### 1.05 WARRANTY

- A. System shall include a factory warranty that equipment is free from defects in design, material, manufacturing and operation.
- B. Factory Warranty period shall be for 36 months from date of system acceptance by owner representative.

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July 18, 2010 Technical Specifications Fixed IP Camera Hardware

C. Installing contractor shall guarantee the equipment and installation for 24 months from the date of acceptance.

#### PART 2 - ACCEPTANCE

- A. Acceptance will be withheld until the successful completion of the following:
  - a. Acceptance of all submittals.
  - b. Delivery of final documentation.
  - c. System Compatibility.
  - d. Successful system interoperability.
  - e. Successful testing.
  - f. Successful demonstration, including training and documentation review.

# Part 3- PRODUCTS

#### A. IP based fixed camera

a.	Manufacturer	Arecont Vision
b.	Product Type	IP Camera, model AV10005DN
c.	Product Type	8mm Lenses, model M118FM08
d.	Product Type	Dome, model DOME 4-I
e.	Restraints	Specified Arecont Vision product numbers
f.	Alternates	No substitutes will be allowed
ø.	Documentation	Contractor may refer to manufacturer cut sheet

# B. The Product

- a. 10 Megapixel Full HD Dual Mode Day/Night Camera
- b. 8MM lenses for specified 10Megapixel camera
- c. 4" indoor/outdoor vandal resistant dome
- d. NO substitute product will be allowed

The AV10005 series camera is a dual encoder (H.264 & MJPEG), 10 Megapixel and Full HD 1080P dual mode resolutions, IP addressable camera, designed to deliver full motion high definition progressive scan digital video across local area networks. The AV10005 is a high sensitivity, PoE (IEEE 802.3af) compliant camera with color and Day/Night configurations. Built with Arecont Vision's proprietary massively-parallel MegaVideo® technology, the AV10005 has the ability to output multiple image formats allowing the simultaneous viewing of the full resolution field of view and regions of interest for high definition forensic zooming. Binning technique improves low-light performance, increases sensitivity and produces better

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July 18, 2010 Technical Specifications Fixed IP Camera Hardware

SNR by combining and averaging pixels. This camera offers over thirty three times the resolution of standard resolution IP cameras with the ability to output full real time frame rates.

# C. Product Technical Specifications

- 1. The camera shall utilize a high sensitivity 10 Megapixel CMOS sensor with 1/2.3" optical format.
- 2. The camera shall have dual standard compression support with simultaneous streaming of both H.264 and MJPEG formats.
- 3. The camera shall have multi-streaming support of up to 8 non-identical concurrent streams (different frame rate, bit rate, resolution, quality, and compression format).
- 4. The camera shall have bit rate control for full view, multi view, and archiving
- 5. The camera's bit rate control shall be selectable from 100 Kbps to 10 Mbps for each independent stream.
- 6. The camera shall have Real Time Streaming Protocol (RTSP) support allowing for compatibility with media players such as Windows Media Player, Apple QuickTime, VLC Player and others.
- 7. The cameras H.264 implementation shall maintain full real time video frame rates.
- 8. The camera shall output at a maximum resolution of 3648(H) x 2752(V) pixels at a maximum frame rate of 6 frames per second (FPS) and 1920(H)x1080(V) pixels at a maximum frame rate of 30 frames per second (FPS).
- 9. It shall be possible to program the camera to output a variety of lower resolution images, i.e. 2944(H) x 1920(V) pixels at 11 FPS, or 2560(H) x 1600(V) pixels at 13 FPS.
- 10. It shall be possible to program the camera at binned mode to output a variety of lower resolution image and increase frame rate, i.e. 1920(H) x 1080(V) pixels at 30 FPS, or 1824(H) x 1376(V) pixels at 25 FPS.
- 11. The camera shall feature streaming of the full field of view (FOV) and simultaneous multiple regions of interest (ROI) for forensic zooming.
- 12. The camera shall be equipped with a 100 Mbps LAN connector and can deliver image data at an unthrottled maximum data rate of up to 70 Megabits per second (70 Mbps).
- 13. The camera shall use high resolution of C/CS mount lenses. (Note that some CS lenses and all C-mount lenses may require an adaptor ring. 10 Megapixel quality lenses are the preferred choice for our entire camera line.)
- 14. The camera shall provide 21 levels of compression quality for optimal viewing and archiving.
- 15. The camera shall support a minimum TFTP, HTTP, RTSP, RTP/TCP and RTP/UDP network protocols.
- 16. The cameras shall feature precision motion detection with a minimum of 64 detection zones
- 17. The camera shall feature automatic exposure, automatic multi-matrix white balance, shutter speed control, 50/60Hz selectable flicker control, programmable brightness, saturation, gamma, sharpness, windowing and decimation, simultaneous delivery of fulfield view and zoomed images at video frame rate, instantaneous electronic zoom, pan and tilt, and electronic image rotation by 180 degrees.
- 18. The camera shall incorporate necessary algorithms and circuits to detect motion in low light with clarity.

- 19. The camera shall support a minimum illumination of 0.6 Lux @ F1.4 in color non-binned mode and 0.15 Lux @ F1.4 in color binned mode.
- 20. The camera shall support an IR sensitive minimum illumination of 0 Lux in B/W mode (D/N version only)
- 21. The camera's primary power source shall be Power over Ethernet (PoE) complying with the IEEE 802.3af standard.
- 22. The camera shall have the alternative option to be powered from between a 12V DC up to 48V DC or 24V AC power source providing at most 5W of power.
- 23. This camera shall feature a durable aluminum housing that minimizes fire hazards. Camera should be mounted using a 1/4" x 20 threaded hole at the bottom or top of the housing.
- 24. The camera shall be utilized for indoor use but can be used in outdoor applications with an appropriate enclosure.
- 25. The camera's operating ambient temperature is 0°C (32°F) to 50°C (122°F).
- 26. The camera shall be FCC Part 15, Class B, CE and RoHS compliant

# D. Product Performance Specifications

- a. Operational
  - 1. Imaging

10 megapixel CMOS image sensor

- a. Binned mode  $(2x2) \sim 2.5$  MP improve low light performance
- b. 1/2.3" optical format
- c. Bayer mosaic RGB filter
- 2. Maximum Resolutions
  - a. Mode 1: 3648(H) x 2752(V)
  - b. Mode 2: 1920(H) x 1080(V)
- 3. Minimum illumination Color (non-binned): 0.6 Lux @ F1.4
  - a. Color (binned): 0.15 Lux@F1.4
  - b. Day/Night: 0 Lux, IR sensitive
- 4. Dynamic range

57.2 dB

5. Maximum SNR

40 dB

- b. Full Field of View (FOV) Resolutions
  - 1.3648x2752 (HxW) 10 megapixel
  - 2.1920x1080 (HxW) HDTV-1080p
  - 3.1824x1376 (HxW) 2.5 megapixel
- c. Cropped Field of View Resolutions

1.2944x1920 5 MP

2.2560x1600 WOXGA

3.2048x1536 3 MP

4.1920x1200 WUXGA

5.1920x1080 HDTV-1080p

6.1600x1200 2 MP

7.1280x1024 1.3 MP

8.1280x720 HDTV - 720p

9.1024	x768	XGA	
10.	800x	600	SVGA
11.	704x	570	PAL
12.	704x	480	NTSC
13.	640x	480	VGA
14.	352x	288	CIF
15.	320x	240	SIF

- d. Data Transmission
  - 1. Data rate
    - a. unthrotteld up to 70Mbps
    - b. bit rate control from 100Kbps to 10Mbps
    - c. bit rate control available for full view, multi view, and archive
  - 2. Video frame rate up to:

Video frame rate in binned

mode up to:

a.	6fps @ 3648x2752	30fps @ 1920x1080
b.	11fps @ 2944x1920	25fps @ 1824x1376
c.	13fps @ 2560x1600	41fps @ 1472x960
d.	18fps @ 2048x1536	54fps @ 1280x800
e.	27fps @ 1600x1200	57fps @ 1024x768
f.	36fps @ 1280x1024	60fps @ 800x600

- 3. Compression type
  - a. H.264 (MPEG4, Part 10)
  - b. Motion JPEG
  - c. 21 levels of quality
- 4. Transmission protocols
  - a. TFTP, HTTP, RTSP, TRP/TCP, RTP/UDP
  - b. 100 Base-T Ethernet Network Interface
- e. Programmability
  - 1. Auto Exposure (AE) and Gain Control (AGC) > 120dB
  - 2. On-camera real-time motion detection with 64 detection zones
  - 3. Auto backlight compensation
  - 4. Auto multi-matrix white balance
  - 5.50/60Hz selectable flicker control
  - 6. Electronic pan, tilt, zoom (PTZ)
  - 7. Electronic image flip 180 degree rotation
  - 8. Resolution windowing down to 32x32 pixels window
  - 9. Programmable shutter speeds to minimize motion blur
  - 10. MoonLight<sup>™</sup> mode extended exposure and proprietary noise cancellation
  - 11. Programmable resolution, brightness, saturation, gamma, sharpness, tint

- 12. Picture-in-Picture: simultaneous delivery of full field of view and zoomed images
- 13. Bandwidth & storage savings by running at 1/4 resolution
- f. Electrical
  - 1. General purpose opto-coupled input and output
  - 2. Power over Ethernet (PoE): PoE 802.3af
  - 3. Auxiliary power 12-48V DC, 24V AC
  - 4. Power consumption 5 Watts maximum
- g. Mechanical
  - 1.Dimensions(H x W x D)......3"W (76 mm) x 2.5"H (63.5 mm) x 2.25"D (57mm) (w/o lens)
  - 2. Weight......8.6 oz (243 grams) (w/o lens)
- h. Environmental
  - 1. Operating temperature 0°C (32 °F) to +50°C (122 °F)
  - 2. Storage temperature -20°C (-4 °F) to +60°C (140 °F)
  - 3. Humidity 0% to 90% (non condensing)
- i. Regulatory
  - 1.FCC, Class B
  - 2.CE and RoHS compliant
- i. Related Documentation
  - 1.AV User Manual
  - 2.AV Software Developer Kit Manual
  - 3.AV1305, AV2105, AV3105, AV5105, AV10005 Network Camera Specification
- k. 4.0 Model Numbers
  - 1. The camera shall be Arecont Vision model AV10005, ten megapixel color camera
  - 2. The camera shall be Arecont Vision model AV10005DN, ten megapixel day night camera
- 1. 5.0 Warranty
  - 1. Minimum 3 Year parts and labor

# **END OF SECTION 13730**

# CCTV HEAD END EXPANSION PROJECT 22-INCH MONITOR SPECIFICATIONS 13739

#### PART 1 - GENERAL

### 1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, Attached manufacturer cut/data/spec sheets, General and Supplementary Conditions and Scope of Work Sections, apply to this Section.
- B. The equipment submitted shall include all data necessary to evaluate design, function, quality, and configuration of proposed equipment and system(s), including data sheets, system description, system preliminary schematics and an itemized list of equipment being submitted

### 1.02 SUMMARY

A. This section identifies expansion requirements of the DFW Airport Security Surveillance System. This Section includes all materials and labor required for the installations, programming, testing, commissioning, and documentation of system requirements identified herein.

#### 1.03 SUBMITTALS

- A. Shall include an equipment list, and data sheets, system description and block diagrams on equipment to be furnished.
- B. Shall include all data necessary to evaluate design, function, quality, and configuration of proposed equipment and system(s).
- C. Shall include manufacturer cut sheet for specific monitor to be installed.

### 1.04 QUALITY ASSURANCE

- A. Installation shall comply with all applicable codes
- B. All Equipment shall be new, in current production, and the standard products of a manufacturer of digital video recording equipment. Manufacturer shall be certified as complying with all applicable standards for quality control.
- C. If required, manufacturer shall be able to demonstrate features, functions, operating characteristics.

#### 1.05 WARRANTY

- A. System shall include a factory warranty that equipment is free from defects in design, material, manufacturing and operation.
- B. Factory Warranty period shall be for 60 months from date of system acceptance by owner representative.
- C. Shall include 5-year advance exchange service

# CCTV HEAD END EXPANSION PROJECT 22-INCH MONITOR SPECIFICATIONS 13739

D. Installing contractor shall guarantee the equipment and installation for 24 months from the date of acceptance.

### PART 2 - ACCEPTANCE

- A. Acceptance will be withheld until the successful completion of the following:
  - a. Acceptance of all submittals.
  - b. Delivery of final documentation.
  - c. System Compatibility.
  - d. Successful system interoperability.
  - e. Successful testing.
  - f. Successful demonstration, including training and documentation review.

#### PART 3 - PRODUCT

- A. 20" Flat Panel Professional LCD Display
  - a. Manufacturer

Dell

b. Product type

Ultra-Sharp 2211H

c. Restraints

Dell Part #U2211H, No substitute product will be allowed

d. Documentation

Contractor may refer to manufacturer cut sheet

# B. Product Specifications

- a. General
  - 1. Display Type: IPS display
  - 2. Built-in Devices USB hub
  - 3. Width 20.25 in
  - 4. Depth 7.25 in
  - 5. Height 13.69 in
  - 6. Weight 14.22 lbs
  - 7. Enclosure Color: Black
  - 8. Height adjustable stand
- b. Bundled with
  - 1. 5-year advance exchange service
- c. Display
  - 1. Diagonal Size 21.5"
  - 2. Dot Pitch / Pixel Pitch 0.247 mm
  - 3. Optimal Resolution 1920 x 1080 / 60 Hz
  - 4. Color Support 24-bit (16.7 million colors)
  - 5. Response Time 8 ms
  - 6. Display Screen Coating Anti-glare, hard coating
  - 7. Signal Input: DVI-D, VGA Display Port
  - 8. Features: UltraSharp

# CCTV HEAD END EXPANSION PROJECT 22-INCH MONITOR SPECIFICATIONS 13739

- d. Image
  - 1. Image Brightness 250 cd/m2
  - 2. Image Contrast Ratio 1000:1
  - 3. Image Max H-View
  - 4. Angle 178
  - 5. Image Max V-View
  - 6. Angle 178
- e. Video input
  - 1. Analog Video Signal RGB, S-Video, composite video
  - 2. Digital Video Standard Digital Visual Interface (DVI)
- f. Audio output
  - 1. Type Speaker(s) stereo detachable
  - 2. Output Power / Channel 5 Watt
  - 3. Response Bandwidth 110 15000 Hz
- g. Expansion / Connectivity
  - 1. Interfaces
  - 2. 1 x DVI-D 24 pin digital DVI
  - 3. 1 x VGA 15 pin HD D-Sub (HD-15)
  - 4. 1 x Hi-Speed USB upstream 4 pin USB Type B |
  - 5. 4 x Hi-Speed USB downstream 4 pin USB Type A
- h. Power
  - 1. Form Factor Internal
  - 2. Voltage Required AC 120/230 V (50/60 Hz)
  - 3. Power Consumption
  - 4. Operational 22 Watt
  - 5. Power Consumption
  - 6. Stand by / Sleep 1 Watt
- i. Environmental Standards
  - 1. EPEAT Compliant EPEAT Silver
  - 2. EPA Energy Star
  - 3. Compliant Yes
- i. Manufacturer Warranty
  - 1. Service & Support 5 years warranty
  - 2. Service & Support
  - 3. Details
    - i. Limited warranty replacement 5 years shipment -
    - ii. response time: next business day
- k. Environmental Parameters
  - 1. Min Operating
  - 2. Temperature 32 °F
  - 3. Max Operating
  - 4. Temperature 104 °F
  - 5. Humidity Range
  - 6. Operating 10 80%

#### **END OF SECTION 13737**

# Addendum No. 3 – Revised Hardware Unit Pricing Schedule

Hardware Unit Pricing Schedule is modified to add items 18.5, 46,47,48,49,50,51,52,53,54,55,56,57,58,59 and is modified to correct item 15 to read "Fixed IP Camera"

Item	Ref:	Specification	Product	Unit Price
1	2.02	13710	Network Core Layer hardware Equipment	\$
2	2.02	13711	Network Distribution Layer hardware Equipment	\$
3	2.02	13712	Network Access Layer Hardware Equipment	\$
		13715	Analog Video Switching Hardware Equipment	
4	2.03	13715	1). ADMPCUP Mega-Power CPU, 110-240 VAC	\$
5	2.03	13715	2). AD2091 Matrix code generator	\$
6	2.03	13715	3). AD2096A Matrix alarm interface unit	\$
7	2.03	13715	4). AD2083-02C Matrix code distributor	\$
		13720	Network Video Recording Hardware	
8	5.06	13723	1). Dell Power-Edge™ R510 2U Single CPU	\$
9	5.06	13720	2). NVR Software Suite (complete)	\$
10	2.04	13721	NICE Video Decoders	\$
11	2.04	13722	NICE Video Encoders	\$
		13725	Digital Video Recorder Hardware Equipment	
12	2.04	13725	1). NiceVision Pro System	\$
13	2.04	13726	2). External Disk Storage System	\$
14	5.07	13725	3). DVR Software Suite (complete)	\$
15	2.05	13730	Fixed IP Cameras	\$
16	4.02	13735	40-inch MCR Monitor	\$
17	4.02	13736	30-inch MCR Monitor	\$
18	4.02	13737	20-inch MCR Monitor	\$
18.5	4.02	13739	22-inch MCR Monitor	\$
19	4.02	13738	27-inch MCR Monitor	\$
20	4.03	13740	MCR Workstation Hardware	\$
21	4.03	13741	MCR NiceVision Workstation	\$
22	4.03	13742	Lantronix Adapter	\$
23	5.01	13744	Equipment Cabinet	\$
24	5.04	13745	Equipment Cabinet	\$
25	5.06	13746	Equipment Cabinet	\$
26	6.01	13747	Equipment Cabinet	\$
27	5.01	13748	Equipment Cabinet	\$
28	5.010	13750	AMS Server Hardware	\$
29	5.012	13751	PDA Server Hardware	\$
30	5.07	13752	Audio Server Hardware	\$
		13760	Voice Communications System Hardware	
31	5.014	13760	1) 1009627002 XE20/XE26 H.AV. Ext PCK	\$
32	5.014	13760	2). 1009627100 Alpha-Com E26 Floor Cab	\$
33	5.014	13760	3). 1009703000 9703 Power Supply	\$
34	5.014	13760	4). 1009291120 92911 Alpha-Pro	\$
35	5.014	13760	5). 10092911USB Alpha-Pro USB Dongle	\$
36	5.014	13760	6). 1009641006 9641-006 6 Station Lic	\$

37	5.014	13760	7). CQ100622-00 IP Sub Kit/Box-Hang Mic	\$
38	5.014	13760	8). 1008031000 8031 IP Flush Mst-Dsp	\$
39	5.014	13760	9). 1008097100 80971 Handset	\$
40	5.014	13760	10). 1008098700 80987 Flush Box	\$
41	5.014	13760	11). 1008098800 B-Box 1008097100 Handset	\$
42	5.014	13760	12). 1008031000 8031 IP Flush Mst-Dsp	\$
43	5.014	13760	13). 1008097100 80971 Handset	\$
44	5.014	13760	14). 2200001000 MP114 SIP Gateway	\$
45	5.014	13760	15). 1009642104 9642-104-SIP trk 2 to 4	\$
	Mfg.	Part Number	Description	
46	Fluke	DTX-1800-MS	DTX-1800 with Multimode and Single mode Fiber Modules	\$
47	Fluke	DTX-NSM	DTX Cable Analyzer	\$
48	Fluke	DTX-AXKIT	Alien Crosstalk Analyzer Kit	\$
49	Fluke	DTX-CHA001SA	Cat 6/Class E Channel Adapter	\$
50	Fluke	DTX-PLA002S	Cat6A and Alien Crosstalk testing	\$
51	Fluke	DTX-PLA001S	Link Adapters with PM06 Personality Modules	\$
52	Fluke	DTX-AXTERM	Link Terminator for Alien Crosstalk Measurements	\$
53	Fluke	DTX-LION	Lithium Ion Battery Pack	\$
54	Fluke	DTX-SER	Serial RS-232 Cable (DB-9 to IEEE 1394)	\$
55	Fluke	DSP-PM06	test Cat6/5e/5 and Cat 3 links	\$
56	Fluke	DSP-MCR-U	Multimedia Memory Card Reader, USB cable	\$
57	Fluke	Linkware-Stats	Software	\$
58	Fluke	GLD-DTX	Covers the DTX (any model), 1 year	\$
59	Arecont	AV8185DN	Fixed 180 degree Tamper Resistant indoor/outdoor megapixel camera	\$

# 7005316 Addendum No. 3 Questions & Answers

- 1. Q. General Provision, 22, Use and Possession Prior to Final System Acceptance, appears to leave the risk of loss for the work with the Contractor even after the Board takes possession of the work. Builders' Risk and Installation Floater coverage ends once the work is put to its intended use and when the owner takes possession of the work. It is not equitable to give the risk of loss to a party which is unable to insure said risk. We request the last sentence be replaced with the following, "Contractor's risk of loss shall end upon Board's possession, use, or acceptance of any portion of Work."
  - A. Board's possession of the work shall occur at final system testing, acceptance and commissioning, not at Bidder delivery. Bidder shall be fully responsible for all loss prior to Final Acceptance and Commissioning by the Board.
- 2. Q. General Provision, 46, Insurance, B (1), states Contractor's deductibles must be satisfactory to the Board. Contractor deductibles are Contractor's sole financial responsibility and should be left to Contractor's discretion. Please remove the word "deductible" from line three.
  - A. Disregard references to Phase 1 or Phase 2. Correction Period begins on date of Final System Acceptance.
- 3. Q. Please clarify the breakdown of work in Phase and Phase 2 as noted in the General Provisions Page 6 & 7 paragraph A, and on page 27 Number 43 "Additional Bond security" paragraph B.
  - A. Disregard references to Phase 1 or Phase 2. Performance & Payment Bond shall be in the amount of 100% of the amount of the Bid.
- 4. Q. General Provision, 46, Insurance, B (3) requires all polices include the named entities as Additional Insureds. Additional insured status is not commercially available on workers compensation and professional liability insurance policies. Please insert, "except for workers compensation and professional liability insurance" after "All policies" and before "shall designate".
  - A. This clause contains Board Approved boiler plate language. The Board's Risk Management Department exempts Professional Liability Insurance and Workers Compensation Insurance from the additional insured requirement.
- 5. Q. General Provision, 46, Insurance, B (5) Contractor deductibles are Contractor's sole financial responsibility and should be left to Contractor's discretion. Please delete the last sentence of this paragraph.
  - A. This clause contains Board Approved boiler plate language; language shall remain as published.
- 6. Q. General Provision, 46, Insurance, C, (4) requires all liability policies name the listed parties as Additional Insureds. Additional insured status is not commercially available on professional

liability insurance policies. Please insert "except professional liability insurance" between "All Liability policies" and "shall names as."

- A. This clause contains Board Approved boiler plate language. The Board's Risk Management Department exempts Professional Liability Insurance and Workers Compensation Insurance from the additional insured requirement.
- 7. Q. General Provision, 46, Insurance, D, Professional Liability Insurance. Contractor does not provide design or stamp drawings for a fee and this is not a design build contract. As such, Contractor will be unable to secure Professional Liability insurance. Will the Board accept Contractor's Protective Professional Indemnity (CPPI) coverage to fulfill this requirement?'
  - A. This clause contains Board Approved boiler plate language. If professional services are not provided as a deliverable under this contract, Contractor/Bidder will not be required to comply with this provision.
- 8. Q. Are there "As Built" drawings available that show the actual location of the existing analog cameras and conduit & wire runs to them?
  - A. No. As-Built documents of the security environment will not be made public for publication.
- 9. Q. The specifications require that the analog camera system continue in operation until the new IP camera system is up and running, however, the specifications say we are NOT to install new conduit and are to reuse this conduit for the new wiring to the new cameras. Our experience with pulling new wiring into existing conduit with existing wiring is that it doesn't work without the possibility of damaging the existing wiring. The best way to do this would be to pull the old wiring out, then pull it back in with the new wiring and reconnect the old camera. Which leads to the question, are the existing conduit(s) large enough to handle both old and new wires?
  - A. The Board's requirements are as stated in the invitation to bid.
- 10. Q. We request that a site tour be conducted, in order to see the existing system such as locations of cameras, heights and areas of work and accessibility these areas.
  - A. Site visits of the secured concourse will not be permitted.
- 11. Q. Section 5.06 F, d (1) Adding analytics to NVR causes increased load on the NVR's CPU which in turn reduces the number of video channels that the NVR can support. In order to quote the appropriate equipment an accurate number of analytic channels will need to be specified.
  - A. The Board's requirements are as stated in the invitation to bid.
- 12. Q. Enabling analytics will require the resolution of the video stream to be reduced to 1CIF. Will this be acceptable?
  - A. The Board's requirements are as stated in the invitation to bid.
- 13. Q. Section 4.03 G How many NICE decoders are required?

- A. Reference Decoder specification, which is part of this Statement of Work. The solution should support 12 channels of video at full-screen, single-view 4CIF at 15 frames per second.
- 14. Q. If more NVRs are needed to support the specified camera capacity will there be room for additional cabinets?
  - A. The Board's requirements are as stated in the invitation to bid.
- 15. Q. NICEVision AMS Server Hardware Specifications 13750 does not specify configuration of AMS server. How should the AMS server be configured?
  - A. Fully-redundant, dual server hardware with automatic and seamless failover between servers operating with full and complete functionality of the DVMS.
- 16. Q. We request that a bid date extension for a minimum of two weeks be implemented in order to conduct a site tour as requested.
  - A. The Board's requirements are as stated in the invitation to bid.
- 17. Q. On the Chatsworth Cabinets, how are the cabinets Spec 13746, 13747, and 13748 distributed in Terminals A, B, C, D, and E? I am unable to determine which go where and how many of each with information provided.
  - A. The Board's requirements are as stated in the invitation to bid.
- 18. Q. RE: 5.0.1 (Equipment Cabinet Systems) items throughout this section reference the Automated Access Control System and associated readers. Are the card readers to be provided as part of this project? If so, please provide the necessary specifications.
  - A. Card readers are to be provided as part of the project. The Board's requirements are as stated in the invitation to bid.
- 19. Q. Are Access Control Panels to be provided as part of this project? If so, please provide necessary specifications.
  - A. Yes. ALL PROGRAMMING/INTEGRATION OF ACCESS CONTROL COMPONENTS, REQUIRED HERE, WILL BE PERFORMED BY DFW AIRPORT BOARD UNDER SEPARATE CONTRACT, AND SHALL NOT BE REQUIRED BY THE CONTRACTOR.
- 20. Q. Are the new card readers to be connected to existing Access Control Panels? If so, please provide equipment details (location, specifications, etc).
  - A. No
- 21. Q. Is interlocking of magnetic locks, light controls, alarm contacts a function of the master controls referenced in 5.0.1.C or the access control system? Please provide additional details if available.
  - A. The Board's requirements are as stated in the invitation to bid.
- 22. Q. Are the master controls for the electronic monitoring system referenced in 5.0.1.C to be

provided as part of this project? If so please provide specification for electronic monitoring systems master control.

- A. The Board's requirements are as stated in the invitation to bid.
- 23. Q. RE: 5.03 (Head End Copper Cable System) Please provide detail information or drawings showing cable routes, distances, etc. from current equipment location to new termination locations.
  - A. The Board's requirements are as stated in the invitation to bid.
- 24. Q. Section 1.01 Paragraph 3 Were there were any subsequent camera deployments? If so what was their impact on the matrix switch?
  - A. The Board's requirements are as stated in the invitation to bid.
- 25. Q. Section 5.06 F, d (1) Is it DFW's intent to put video analytic licensing on the proposed NVR servers in the future?
  - A. The Board's requirements are as stated in the invitation to bid.
- 26. Q. Section 5.013 What is the number of physical inputs and outputs currently being utilized on the existing video switcher's matrix switch bays for both the camera inputs and monitored outputs per below? Additionally, the RFP states that these are capacities, are the bays filled to these exact capacities?
  - a. 1024 x 128
  - b. 512 x 32
  - c. 256 x 32
  - A. The system is fully deployed.
  - 27. Q. Section 4.03, G Please define the term 'decoder' and how it will be utilized in conjunction with the existing analog switcher.
    - A. The Board's requirements are as stated in the invitation to bid.
  - 28. O. Section 4.03, G Please define how many cameras are to be connected to the decoder(s)?
    - A. The Board's requirements are as stated in the invitation to bid.
  - 29. Q. Technical Specifications 13721 Network Video Decoder Specification pages after page 1 are missing. Please provide copy of Specification 13721.
    - A. Specification 13721 is attached.
- 30. Q. Technical Specifications 13750 NICEVision AMS Server Please define the exact configuration of AMS server. The specifications provided appear to be the entire configuration capability of the AMS server.

- A. Fully-redundant, dual server hardware with automatic and seamless failover between servers operating with full and complete functionality of the DVMS.
- 31. Q. Is the conduit infrastructure for the new and relocated edge devices already in place?
  - A. Yes.
- 32. Q. Will the contractor be allowed to install new cable in existing conduit infrastructure that contains cabling for active existing edge devices?
  - A. Yes
- 33. Q. Reference Bid Volume 2 Project Pricing Schedules 4.01 thru 10.07: Is it the intent of the Airport Board that the contractor lists 'Major Components' only for each of the breakdown areas or all incorporated items and/or installation services provided?
  - A. Contractor shall incorporate all items and installation services provided. All subcontractor costs, to include markup, profit, and overhead, shall be reflected in the project pricing schedule for work relating to the subcontractor's task. Integrator profit and overhead is identified in the Summary of Bid document.
- 34. MONITOR CLARIFICATIONS,
  - a. AT 4.02.A.a IS MODIFIED TO READ "40 MONITORS BEING REPLACED ARE A 22" FORMAT."
  - b. AT 4.02.B; 4.03.E.b; 4.03.F; 4.03.I; SPECIFICATION 13737 IS REPLACED WITH SPECIFICATION 13739. SPECIFICATION 13739 IS ATTACHED.
- 35. Q. Are there any ARRA funds involved in this TSA security Grant?
  - A. No.
- 36. Q. Are there any Special security clearance requirements other than a Texas Security License and local DFW Airport Authority background checks.
  - A. All persons working on the project must be registered and badged in the Airport's Automated Access Control System.
- 37. Q. In part 6.07 of the "Statement of Work" page 01010-90, paragraph A. b. States that camera placement points are fully equipped with coaxial cable and power cable necessary to connect the relocated cameras, does this mean there is no need to extend wiring to the camera locations from the NAP? Please clarify.
  - A. Yes.
- 38. Q. In part 6.07 of the "Statement of Work" on page 01010-91 paragraph B. Installation Requirements, d, states that" the contractor shall reinstall the fiber modems in the fiber cages installed here to support camera connectivity" how many modems are there?
  - A. The Board's requirements are as stated in the invitation to bid.

- 39. Q. Paragraph e, on the same page states that "the contractor shall reinstall decommissioned cameras in the locations identified on the owner provided drawings that are part of this Statement of Work." Please clarify where these drawings are
  - A. Drawings will be provided to the successful bidder after the successful Customer Design Review.

# Addendum No. 3 – Revised Hardware Unit Pricing Schedule

Hardware Unit Pricing Schedule is modified to add items 18.5, 46,47,48,49,50,51,52,53,54,55,56,57,58,59 and is modified to correct item 15 to read "Fixed IP Camera"

Item	Ref:	Specification	Product	Unit Price
1	2.02	13710	Network Core Layer hardware Equipment	\$
2	2.02	13711	Network Distribution Layer hardware Equipment	\$
3	2.02	13712	Network Access Layer Hardware Equipment	\$
		13715	Analog Video Switching Hardware Equipment	
4	2.03	13715	1). ADMPCUP Mega-Power CPU, 110-240 VAC	\$
5	2.03	13715	2). AD2091 Matrix code generator	\$
6	2.03	13715	3). AD2096A Matrix alarm interface unit	\$
7	2.03	13715	4). AD2083-02C Matrix code distributor	\$
		13720	Network Video Recording Hardware	
8	5.06	13723	1). Dell Power-Edge <sup>TM</sup> R510 2U Single CPU	\$
9	5.06	13720	2). NVR Software Suite (complete)	\$
10	2.04	13721	NICE Video Decoders	\$
11	2.04	13722	NICE Video Encoders	\$
		13725	Digital Video Recorder Hardware Equipment	
12	2.04	13725	1). NiceVision Pro System	\$
13	2.04	13726	2). External Disk Storage System	\$
14	5.07	13725	3). DVR Software Suite (complete)	\$
15	2.05	13730	Fixed IP Cameras	\$
16	4.02	13735	40-inch MCR Monitor	\$
17	4.02	13736	30-inch MCR Monitor	\$
18	4.02	13737	20-inch MCR Monitor	\$
18.5	4.02	13739	22-inch MCR Monitor	\$
19	4.02	13738	27-inch MCR Monitor	\$
20	4.03	13740	MCR Workstation Hardware	\$
21	4.03	13741	MCR NiceVision Workstation	\$
22	4.03	13742	Lantronix Adapter	\$
23	5.01	13744	Equipment Cabinet	\$
24	5.04	13745	Equipment Cabinet	\$
25	5.06	13746	Equipment Cabinet	\$
26	6.01	13747	Equipment Cabinet	\$
27	5.01	13748	Equipment Cabinet	\$
28	5.010	13750	AMS Server Hardware	\$
29	5.012	13751	PDA Server Hardware	\$
30	5.07	13752	Audio Server Hardware	\$
		13760	Voice Communications System Hardware	
31	5.014	13760	1) 1009627002 XE20/XE26 H.AV. Ext PCK	\$
32	5.014	13760	2). 1009627100 Alpha-Com E26 Floor Cab	\$
33	5.014	13760	3). 1009703000 9703 Power Supply	\$
34	5.014	13760	4). 1009291120 92911 Alpha-Pro	\$
35	5.014	13760	5). 10092911USB Alpha-Pro USB Dongle	\$
36	5.014	13760	6). 1009641006 9641-006 6 Station Lic	\$

37	5.014	13760	7). CQ100622-00 IP Sub Kit/Box-Hang Mic	\$
38	5.014	13760	8). 1008031000 8031 IP Flush Mst-Dsp	\$
39	5.014	13760	9). 1008097100 80971 Handset	\$
40	5.014	13760	10). 1008098700 80987 Flush Box	\$
41	5.014	13760	11). 1008098800 B-Box 1008097100 Handset	\$
42	5.014	13760	12). 1008031000 8031 IP Flush Mst-Dsp	\$
43	5.014	13760	13). 1008097100 80971 Handset	\$
44	5.014	13760	14). 2200001000 MP114 SIP Gateway	\$
45	5.014	13760	15). 1009642104 9642-104-SIP trk 2 to 4	\$
	Mfg.	Part Number	Description	
46	Fluke	DTX-1800-MS	DTX-1800 with Multimode and Single mode Fiber Modules	\$
47	Fluke	DTX-NSM	DTX Cable Analyzer	\$
48	Fluke	DTX-AXKIT	Alien Crosstalk Analyzer Kit	\$
49	Fluke	DTX-CHA001SA	Cat 6/Class E Channel Adapter	\$
50	Fluke	DTX-PLA002S	Cat6A and Alien Crosstalk testing	\$
51	Fluke	DTX-PLA001S	Link Adapters with PM06 Personality Modules	\$
52	Fluke	DTX-AXTERM	Link Terminator for Alien Crosstalk Measurements	\$
53	Fluke	DTX-LION	Lithium Ion Battery Pack	\$
54	Fluke	DTX-SER	Serial RS-232 Cable (DB-9 to IEEE 1394)	\$
55	Fluke	DSP-PM06	test Cat6/5e/5 and Cat 3 links	\$
56	Fluke	DSP-MCR-U	Multimedia Memory Card Reader, USB cable	\$
57	Fluke	Linkware-Stats	Software	\$
58	Fluke	GLD-DTX	Covers the DTX (any model), 1 year	\$
59	Arecont	AV8185DN	Fixed 180 degree Tamper Resistant indoor/outdoor megapixel camera	\$

# **Project Pricing Schedule**

**Summary Pages** 

Item	Location	Equipment purchased	Building	Labor Bid	Material Bid	Integration Bid	Total bid
4.00	MCR	Expansion Requirement: System Master Control Room (MCR)					
4.01	MCR	a). Expansion Requirements: Modifications made to the MCR Console		\$	\$	\$	\$
4.02	MCR	b). Expansion Requirements: Upgrade monitors in MCR monitor wall		\$	\$	\$	\$
4.03	MCR	c). Expansion Requirements: Upgrade console operator station computer hardware		\$	\$	\$	\$
4.04	MCR	d). Expansion Requirements: Upgrade monitoring of the employee portals		\$	\$	\$	\$
4.05	MCR	e). Expansion Requirements: Install network connectivity for MCR console		\$	\$	\$	\$
4.06	MCR	f). Expansion Requirements: Upgrade monitoring of Checkpoint lane cameras		\$	\$	\$	\$
5.01	ITS West	Expansion Requirements: Equipment Cabinet Systems		\$	\$	\$	\$
5.02	ITS West	Expansion Requirements: Head End Fiber Optic Systems		\$	\$	\$	\$
5.03	ITS West	Expansion Requirements: Head end Copper Cable Systems		\$	\$	\$	\$
5.04	ITS West	Expansion Requirements: Centralized network system implementation		\$	\$	\$	\$
5.05	ITS West	Electronic Systems – General Scope					
5.06	ITS West	Expansion Requirements: Network Video Recording (NVR)System Installation		\$	\$	\$	\$
5.07	ITS West	Expansion Requirements: Digital Video Recording (DVR) System Installation		\$	\$	\$	\$
5.08	ITS West	Expansion Requirements: Digital Video management (DVMS) system Installation		\$	\$	\$	\$
5.09	ITS West	Expansion Requirements: Application Management Client Software Installation		\$	\$	\$	\$
5.010	ITS West	Expansion Requirements: Application Management Server (AMS) Software Installation		\$	\$	\$	\$
5.011	ITS West	Expansion Requirements: Video Management Software (VMS)		\$	\$	\$	\$

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# **Project Pricing Schedule**

**Summary Pages** 

- Culling	ary Pages			 
		Client Installation		
5.012	ITS West	Expansion Requirements: PDA Client Server System Installation	\$ \$	\$ \$
5.013	ITS West	Expansion Requirements: Analog Alarm and PTZ Control System	\$ \$	\$ \$
		Installation		
5.014	ITS West	Expansion Requirements: Zenitel Intercom System Upgrade (head	\$ \$	\$ \$
		end location)		
5.015	ITS West	Expansion Requirements: Wireless Video Transmission System	\$ \$	\$ \$
		Installation		
5.016	ITS West	Expansion Requirements: Network Integration	\$ \$	\$ \$
5.017	ITS West	Electronic Systems: Network Monitoring	\$ \$	\$ \$
6.01	Terminal A	Expansion Requirements: FOTP-2 Upgrade Requirements	\$ \$	\$ \$
6.02	Terminal A	Expansion Requirements: Primary Fiber Pathway	\$ \$	\$ \$
6.03	Terminal A	Expansion Requirements: IP Network Installation	\$ \$	\$ \$
6.04	Terminal A	Expansion Requirements: Zenitel Intercom Subsystem Upgrade	\$ \$	\$ \$
6.05	Terminal A	Expansion Requirements: Building Integration to System Head End	\$ \$	\$ \$
6.06	Terminal A	Expansion Requirements: IP Camera Installation	\$ \$	\$ \$
6.07	Terminal A	Expansion Requirements: Analog Camera Relocation	\$ \$	\$ \$
7.01	Terminal B	Expansion Requirements: FOTP-2 Upgrade Requirements	\$ \$	\$ \$
7.02	Terminal B	Expansion Requirements: Primary Fiber Pathway	\$ \$	\$ \$
7.03	Terminal B	Expansion Requirements: IP Network Installation	\$ \$	\$ \$
7.04	Terminal B	Expansion Requirements: Zenitel Intercom Subsystem Upgrade	\$ \$	\$ \$
7.05	Terminal B	Expansion Requirements: Building Integration to System Head End	\$ \$	\$ \$
7.06	Terminal B	Expansion Requirements: IP Camera Installation	\$ \$	\$ \$
7.07	Terminal B	Expansion Requirements: Analog Camera Relocation	\$ \$	\$ \$
8.01	Terminal C	Expansion Requirements: FOTP-2 Upgrade Requirements	\$ \$	\$ \$
8.02	Terminal C	Expansion Requirements: Primary Fiber Pathway	\$ \$	\$ \$
8.03	Terminal C	Expansion Requirements: IP Network Installation	\$ \$	\$ \$
8.04	Terminal C	Expansion Requirements: Zenitel Intercom Subsystem Upgrade	\$ \$	\$ \$
8.05	Terminal C	Expansion Requirements: Building Integration to System Head End	\$ \$	\$ \$
8.06	Terminal C	Expansion Requirements: IP Camera Installation	\$ \$	\$ \$
8.07	Terminal C	Expansion Requirements: Analog Camera Relocation	\$ \$	\$ \$
9.01	Terminal D	Expansion Requirements: IP Network Installation	\$ \$	\$ \$

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# DFW Airport Campus Security Surveillance System - Contract 7005316

# **Project Pricing Schedule**

**Summary Pages** 

Summi	ary Pages			
9.02	Terminal D	Expansion Requirements: Zenitel Intercom Subsystem Upgrade	\$ \$	\$ \$
9.03	Terminal D	Expansion Requirements: Building Integration to System Head End	\$ \$	\$ \$
9.04	Terminal D	Expansion Requirements: IP Camera Installation	\$ \$	\$ \$
10.01	Terminal E	Expansion Requirements: FOTP-2 Upgrade Requirements	\$ \$	\$ \$
10.02	Terminal E	Expansion Requirements: Primary Fiber Pathway	\$ \$	\$ \$
10.03	Terminal E	Expansion Requirements: IP Network Installation	\$ \$	\$ \$
10.04	Terminal E	Expansion Requirements: Zenitel Intercom Subsystem Upgrade	\$ \$	\$ \$
10.05	Terminal E	Expansion Requirements: Building Integration to System Head End	\$ \$	\$ \$
10.06	Terminal E	Expansion Requirements: IP Camera Installation	\$ \$	\$ \$
10.07	Terminal E	Expansion Requirements: Analog Camera Relocation	\$ \$	\$ \$
	Other	Project Management	\$ \$	\$ \$
	Other	As-Built Documentation	\$ \$	\$ \$
		TOTAL BASE BID		\$
	Bid	Wireless Video Transmission System		\$
	Alternate			
		Total Project Bid (Base bid plus bid alternate)		\$

# END OF PROJECT PRICING SUMMARY (2)

# PROJECT INDIVIDUAL PRICING SCHEDULE BEGINS NEXT PAGE (4)

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

**Summary Pages** 

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### 5

# Summary Pages MASTER CONTROL ROOM

4.01 – Expansion requirements: Expansion Requirements of the MCR - Modifications made to the MCR Console

Item	Equipment purchased	Unit		Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1					\$				\$	\$
2					\$				\$	\$
3					\$				\$	\$
4					\$				\$	\$
5					\$				\$	\$
6					\$				\$	\$
7					\$				\$	\$
8					\$				\$	\$
9					\$				\$	\$
10					\$				\$	\$
11					\$				\$	\$
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14					\$				\$	\$
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22					\$				\$	\$
23					\$				\$	\$
24					\$				\$	\$
25					\$				\$	\$
26					\$				\$	\$
27					\$				\$	\$

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# **Project Pricing Schedule**

**Summary Pages** 

~ <del></del>	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
28			\$			\$ \$
29			\$			\$ \$
30			\$			\$ \$
31			\$			\$ \$
32			\$			\$ \$
			\$			\$ \$
			\$			\$ \$
Totals			\$	·		\$ \$

### MASTER CONTROL ROOM

4.02 – Expansion requirements: Expansion Requirements of the MCR - Upgrade monitors in MCR monitor wall

Item	Equipment purchased	Unit	Quantity Purchased	Unit price	Materials bid	Labor Unit	Labor quantity	Labor rate	Labor bid	Total Bid
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
Totals										

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

# **Project Pricing Schedule**

# **Summary Pages MASTER CONTROL ROOM**

4.03 – Expansion requirements: Expansion Requirements of the MCR – Upgrade console operator station computer hardware

Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1										
2										
3										
4										
5										
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Totals										

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

# Summary Pages MASTER CONTROL ROOM

4.04 – Expansion requirements: Expansion Requirements of the MCR – Upgrade monitoring operations of employee portals

	1 1		10		<i>U</i> 1		1 / 1			
Item	Equipment purchased	Unit	Quantity Purchased	Unit price	Materials bid	Labor Unit	Labor	Labor	Labor bid	Total Bid
			Furchaseu	price	blu	UIIIt	quantity	rate	biu	
1										
2										
3										
4										
5										
6										
7										
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11										
12										
13										
14										
Totals										

#### MASTER CONTROL ROOM

4.05 – Expansion requirements: Expansion Requirements of the MCR – Install network connectivity for MCR console

Item	Equipment purchased	Unit	Quantity Purchased	Unit price	Materials bid	Labor Unit	Labor quantity	Labor rate	Labor bid	Total Bid
1										
2										
3										
4										
5										
6										

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

**Summary Pages** 

Summa	iry rages					
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Totals						

#### MASTER CONTROL ROOM

4.06 – Expansion requirements: Expansion Requirements of the MCR – Upgrade monitoring of Checkpoint lane cameras

Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1										
2										
3										
4										
5										
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Totals										

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

### **Summary Pages**

## $ITS\ Computer\ Rooms-East\ and\ West$

5.01 - Expansion requirements: Equipment Cabinet Systems

Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1					\$				\$	\$
2					\$				\$	\$
3					\$				\$	\$
4					\$				\$	\$
5					\$				\$	\$
6					\$				\$	\$
7					\$				\$	\$
8					\$				\$	\$

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**Summary Pages** 

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## ITS Computer Rooms – East and West

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

### **Summary Pages**

5.02 - Expansion requirements: Head End Fiber Optic Systems

Item	Equipment purchased	Unit		Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1					\$				\$	\$
2					\$				\$	\$
3					\$				\$	\$
4					\$				\$	\$
5					\$				\$	\$
6					\$				\$	\$
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28					\$				\$	\$
29					\$				\$	\$

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### **Project Pricing Schedule**

**Summary Pages** 

	-78					
30			\$		\$	\$
31			\$		\$	\$
32			\$		\$	\$
			\$		\$	\$
			\$		\$	\$
Totals			\$	•	\$	\$

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

### **Summary Pages**

**ITS Computer Rooms – East and West** 

5.03 - Expansion requirements: Head End Copper Cable System

Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1					\$				\$	\$
2					\$				\$	\$
3					\$				\$	\$
4					\$				\$	\$
5					\$				\$	\$
6					\$				\$	\$
7					\$				\$	\$
8					\$				\$	\$
9					\$				\$	\$
10					\$				\$	\$
11					\$				\$	\$
12					\$				\$	\$
13					\$				\$	\$
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16					\$				\$	\$
17					\$				\$	\$
18					\$				\$	\$
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20					\$				\$	\$
21					\$				\$	\$
22					\$				\$	\$
23					\$				\$	\$
24					\$				\$	\$
25					\$				\$	\$
26					\$				\$	\$
27					\$				\$	\$
28					\$				\$	\$

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### **Project Pricing Schedule**

**Summary Pages** 

builliary rages					
29			\$		\$ \$
30			\$		\$ \$
31			\$		\$ \$
32			\$		\$ \$
			\$		\$ \$
			\$		\$ \$
Totals			\$		\$ \$

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### **Summary Pages**

### ITS Computer Rooms – East and West

5.04 - Expansion requirements: Centralized Network System Implementation

Item	Equipment purchased	Unit		Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1					\$				\$	\$
2					\$				\$	\$
3					\$				\$	\$
4					\$				\$	\$
5					\$				\$	\$
6					\$				\$	\$
7					\$				\$	\$
8					\$				\$	\$
9					\$				\$	\$
10					\$				\$	\$
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27					\$				\$	\$
28					\$				\$	\$

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### **Project Pricing Schedule**

**Summary Pages** 

	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
29			\$		\$	\$
30			\$		\$	\$
31			\$		\$	\$
32			\$		\$	\$
			\$		\$	\$
			\$		\$	\$
Totals			\$		\$	\$

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## Summary Pages

ITS Computer Rooms – East and West

5.06 - Expansion requirements: Electronic Systems - Network Video Recording (NVR)System Installation

Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1					\$				\$	\$
2					\$				\$	\$
3					\$				\$	\$
4					\$				\$	\$
5					\$				\$	\$
6					\$				\$	\$
7					\$				\$	\$
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All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

### **Project Pricing Schedule**

**Summary Pages** 

Summary rages					
29		\$		\$	\$
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32		\$		\$	\$
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Totals		\$		\$	\$

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

## Summary Pages

ITS Computer Rooms – East and West

5.07 - Expansion requirements: Electronic Systems – Digital Video Recording (DVR) System Installation

Item	Equipment purchased	Unit		Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1					\$				\$	\$
2					\$				\$	\$
3					\$				\$	\$
4					\$				\$	\$
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### **Project Pricing Schedule**

**Summary Pages** 

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Totals			\$		\$ \$

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

## Summary Pages

ITS Computer Rooms – East and West

5.08 - Expansion requirements: Electronic Systems – Digital Video management (DVMS) system Installation

Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1					\$				\$	\$
2					\$				\$	\$
3					\$				\$	\$
4					\$				\$	\$
5					\$				\$	\$
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7					\$				\$	\$
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All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

### **Project Pricing Schedule**

**Summary Pages** 

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32			\$		\$	\$
			\$		\$	\$
			\$		\$	\$
Totals			\$		\$	\$

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

### **Summary Pages**

### ITS Computer Rooms – East and West

5.09 - Expansion requirements: Electronic Systems - Application Management Client Software Installation

Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1					\$				\$	\$
2					\$				\$	\$
3					\$				\$	\$
4					\$				\$	\$
5					\$				\$	\$
6					\$				\$	\$
7					\$				\$	\$
8					\$				\$	\$
9					\$				\$	\$
10					\$				\$	\$
11					\$				\$	\$
12					\$				\$	\$
13					\$				\$	\$
Totals					\$				\$	\$

## $ITS\ Computer\ Rooms-East\ and\ West$

5.010 - Expansion requirements: Electronic Systems – Application Management Server (AMS) Software Installation

Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1					\$				\$	\$
2					\$				\$	\$
3					\$				\$	\$
4					\$				\$	\$
5					\$				\$	\$
6					\$				\$	\$
7					\$				\$	\$
8					\$				\$	\$

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

### **Project Pricing Schedule**

**Summary Pages** 

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9			\$		\$	\$
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13			\$		\$	\$
Totals			\$		\$	\$

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

# **Summary Pages ITS Computer Rooms – East and West**

5.011 - Expansion requirements: Electronic Systems - Video Management Software (VMS) Client Installation

Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1					\$				\$	\$
2					\$				\$	\$
3					\$				\$	\$
4					\$				\$	\$
5					\$				\$	\$
6					\$				\$	\$
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All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

### **Project Pricing Schedule**

**Summary Pages** 

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Totals			\$		\$	\$

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

## Summary Pages ITS Computer Rooms Fast

ITS Computer Rooms – East and West

5.012 - Expansion requirements: Electronic Systems – PDA Client Server System Installation

Item	Equipment purchased	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
		Purchased	price	bid	Unit	quantity	rate	bid	
1				\$				\$	\$
2				\$				\$	\$
3				\$				\$	\$
4				\$				\$	\$
5				\$				\$	\$
6				\$				\$	\$
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### **Project Pricing Schedule**

**Summary Pages** 

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32			\$		\$	\$
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Totals			\$		\$	\$

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

**Summary Pages ITS Computer Rooms – East and West** 

5.013 - Expansion requirements: Electronic Systems - Analog Alarm and PTZ Control System

Item	Equipment purchased	Unit		Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1					\$				\$	\$
2					\$				\$	\$
3					\$				\$	\$
4					\$				\$	\$
5					\$				\$	\$
6					\$				\$	\$
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### **Project Pricing Schedule**

**Summary Pages** 

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Totals			\$		\$	\$

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

# **Summary Pages ITS Computer Rooms – East and West**

 $5.014-Expansion\ requirements:\ Electronic\ Systems-Zenitel\ Intercom\ System\ Upgrade-Head\ End\ Location$ 

Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1					\$				\$	\$
2					\$				\$	\$
3					\$				\$	\$
4					\$				\$	\$
5					\$				\$	\$
6					\$				\$	\$
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### **Project Pricing Schedule**

**Summary Pages** 

29			\$		\$ \$
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Totals			\$		\$ \$

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

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## Summary Pages

## ITS Computer Rooms – East and West

5.015 - Expansion requirements: Electronic Systems – Wireless Video Transmission System Installation

Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1					\$				\$	\$
2					\$				\$	\$
3					\$				\$	\$
4					\$				\$	\$
5					\$				\$	\$
6					\$				\$	\$
7					\$				\$	\$
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28					\$				\$	\$

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### **Project Pricing Schedule**

**Summary Pages** 

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Totals			\$		\$	\$

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

## **Summary Pages**

### ITS Computer Rooms – East and West

5.016 - Expansion requirements: Electronic Systems – System Integration

Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1	a).NVR (Network Video Recorder)				\$				\$	\$
2					\$				\$	\$
3					\$				\$	\$
4					\$				\$	\$
5	b). DVR (Digital Video recorder)				\$				\$	\$
6					\$				\$	\$
7					\$				\$	\$
8					\$				\$	\$
9	c). Analog PTZ Cameras				\$				\$	\$
10					\$				\$	\$
11					\$				\$	\$
12					\$				\$	\$
13	d). Fixed Analog Cameras				\$				\$	\$
14					\$				\$	\$
15					\$				\$	\$
16					\$				\$	\$
17	e). Fixed IP cameras				\$				\$	\$
18					\$				\$	\$
19					\$				\$	\$
20					\$				\$	\$
21	f). Active Alarm Inputs on the AD2096A				\$				\$	\$
22	•				\$				\$	\$
23					\$				\$	\$
24					\$				\$	\$
25	g).Wireless Video Transmission System				\$				\$	\$
26					\$				\$	\$
27					\$				\$	\$
28					\$				\$	\$

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**Summary Pages** 

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			\$		\$	\$
Totals			\$	•	\$	\$

### ITS Computer Rooms – East and West

5.017 - Expansion requirements: Electronic Systems – Network Monitoring

Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1					\$				\$	\$
2					\$				\$	\$
3					\$				\$	\$
4					\$				\$	\$
5					\$				\$	\$
6					\$				\$	\$
7					\$				\$	\$
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9					\$				\$	\$
10					\$				\$	\$
11					\$				\$	\$
12					\$				\$	\$
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14					\$				\$	\$
15					\$				\$	\$
16					\$				\$	\$
17					\$				\$	\$

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

**Summary Pages** 

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29		\$	\$	\$
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32		\$	\$	\$
		\$	\$	\$
		\$	\$	\$
Totals		\$	\$	\$

### **Terminal A**

6.01 – Expansion requirements: FOTP-2 upgrade requirements – modifications to computer room cabinet to provide a more controlled environment for the equipment.

Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1										
2										
3										
4										

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

**Summary Pages** 

Summa	ary Pages					
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Totals						

#### Terminal B

7.01 – Expansion requirements: FOTP-2 upgrade requirements – modifications to computer room cabinet to provide a more controlled environment for the equipment.

Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1										
2										
3										
4										
5										
6										
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8										
9										
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All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

40

Summary Pages					
Totals					

### **Terminal C**

8.01 – Expansion requirements: FOTP-2 upgrade requirements – modifications to computer room cabinet to provide a more controlled environment for the equipment.

Item	Equipment purchased	Unit	Quantity Purchased	Unit price	Materials bid	Labor Unit	Labor quantity	Labor rate	Labor bid	Total Bid
1							_			
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
Totals										

### **Terminal E**

10.01 – Expansion requirements: FOTP-2 upgrade requirements – modifications to computer room cabinet to provide a more controlled environment for the equipment.

]	Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
				Purchased	price	bid	Unit	quantity	rate	bid	
	1										
	2										

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

**Summary Pages** 

Sullilli	ary rages					
3						
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14						
Totals						

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

### **Summary Pages Terminal A**

6.02- Expansion requirements: Primary Fiber Pathway – Contractor shall be required to expand the capacity of the fiber optic plant to the degree specified in the SOW.

Item	Equipment purchased	Unit		Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1					\$				\$	\$
2					\$				\$	\$
3					\$				\$	\$
4					\$				\$	\$
5					\$				\$	\$
6					\$				\$	\$
7					\$				\$	\$
8					\$				\$	\$
9					\$				\$	\$
10					\$				\$	\$
11					\$				\$	\$
12					\$				\$	\$
13					\$				\$	\$
14					\$				\$	\$
15					\$				\$	\$
16					\$				\$	\$
17					\$				\$	\$
18					\$				\$	\$
19					\$				\$	\$
20					\$				\$	\$
21					\$				\$	\$
22					\$				\$	\$
23					\$				\$	\$
24					\$				\$	\$
25					\$				\$	\$
26					\$				\$	\$
27					\$				\$	\$

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

### **Project Pricing Schedule**

**Summary Pages** 

10 01	J					
28			\$		\$	\$
29			\$		\$	\$
30			\$		\$	\$
31			\$		\$	\$
32			\$		\$	\$
			\$		\$	\$
			\$		\$	\$
Totals			\$		\$	\$

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

# **Summary Pages Terminal B**

7.02- Expansion requirements: Primary Fiber Pathway – Contractor shall be required to expand the capacity of the fiber optic plant to the degree specified in the SOW.

Item	Equipment purchased	Unit		Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1					\$				\$	\$
2					\$				\$	\$
3					\$				\$	\$
4					\$				\$	\$
5					\$				\$	\$
6					\$				\$	\$
7					\$				\$	\$
8					\$				\$	\$
9					\$				\$	\$
10					\$				\$	\$
11					\$				\$	\$
12					\$				\$	\$
13					\$				\$	\$
14					\$				\$	\$
15					\$				\$	\$
16					\$				\$	\$
17					\$				\$	\$
18					\$				\$	\$
19					\$				\$	\$
20					\$				\$	\$
21					\$				\$	\$
22					\$				\$	\$
23					\$				\$	\$
24					\$				\$	\$
25					\$				\$	\$
26					\$				\$	\$
27					\$				\$	\$

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

# DFW Airport Campus Security Surveillance System – Contract 7005316

#### **Project Pricing Schedule**

**Summary Pages** 

~	17 1 4868					
28			\$		\$	\$
29			\$		\$	\$
30			\$		\$	\$
31			\$		\$	\$
32			\$		\$	\$
			\$		\$	\$
			\$		\$	\$
Totals			\$		\$	\$

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

#### **Summary Pages Terminal C**

8.02- Expansion requirements: Primary Fiber Pathway – Contractor shall be required to expand the capacity of the fiber optic plant to the degree specified in the SOW.

Item	Equipment purchased	Unit		Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1					\$				\$	\$
2					\$				\$	\$
3					\$				\$	\$
4					\$				\$	\$
5					\$				\$	\$
6					\$				\$	\$
7					\$				\$	\$
8					\$				\$	\$
9					\$				\$	\$
10					\$				\$	\$
11					\$				\$	\$
12					\$				\$	\$
13					\$				\$	\$
14					\$				\$	\$
15					\$				\$	\$
16					\$				\$	\$
17					\$				\$	\$
18					\$				\$	\$
19					\$				\$	\$
20					\$				\$	\$
21					\$				\$	\$
22					\$				\$	\$
23					\$				\$	\$
24					\$				\$	\$
25					\$				\$	\$
26					\$				\$	\$
27					\$				\$	\$

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

# DFW Airport Campus Security Surveillance System – Contract 7005316

## **Project Pricing Schedule**

**Summary Pages** 

Summa	ary rages					
28			\$		\$	\$
29			\$		\$	\$
30			\$		\$	\$
31			\$		\$	\$
32			\$		\$	\$
			\$		\$	\$
			\$		\$	\$
Totals			\$		\$	\$

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

## **Summary Pages Terminal E**

10.02- Expansion requirements: Primary Fiber Pathway – Contractor shall be required to expand the capacity of the fiber optic plant to the degree specified in the SOW.

Item	Equipment purchased	Unit		Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1					\$				\$	\$
2					\$				\$	\$
3					\$				\$	\$
4					\$				\$	\$
5					\$				\$	\$
6					\$				\$	\$
7					\$				\$	\$
8					\$				\$	\$
9					\$				\$	\$
10					\$				\$	\$
11					\$				\$	\$
12					\$				\$	\$
13					\$				\$	\$
14					\$				\$	\$
15					\$				\$	\$
16					\$				\$	\$
17					\$				\$	\$
18					\$				\$	\$
19					\$				\$	\$
20					\$				\$	\$
21					\$				\$	\$
22					\$				\$	\$
23					\$				\$	\$
24					\$				\$	\$
25					\$				\$	\$
26					\$				\$	\$
27					\$				\$	\$

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**Summary Pages** 

10 01	1 1 uges					
28			\$		\$	\$
29			\$		\$	\$
30			\$		\$	\$
31			\$		\$	\$
32			\$		\$	\$
			\$		\$	\$
			\$		\$	\$
Totals			\$		\$	\$

**Terminal A**6.03- Expansion requirements: IP Network Installation – Contractor shall be required to install a three layered routed network across the Airport's campus as part of the SOW.

Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1					\$				\$	\$
2					\$				\$	\$
3					\$				\$	\$
4					\$				\$	\$
5					\$				\$	\$
6					\$				\$	\$
7					\$				\$	\$
8					\$				\$	\$
9					\$				\$	\$
10					\$				\$	\$
11					\$				\$	\$
12					\$				\$	\$
13					\$				\$	\$
14					\$				\$	\$
15					\$				\$	\$

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

**Summary Pages** 

Summary 1 ages			
16	\$	\$	\$
17	\$	\$	\$
18	\$	\$	\$
19	\$	\$	\$
20	\$	\$	\$
21	\$	\$	\$
22	\$	\$	\$
23	\$	\$	\$
24	\$	\$	\$
25	\$	\$	\$
26	\$	\$	\$
27	\$	\$	\$
28	\$	\$	\$
29	\$	\$	\$
30	\$	\$	\$
31	\$	\$	\$
32	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
Totals	\$	\$	\$

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

# Summary Pages Terminal B

7.03- Expansion requirements: IP Network Installation – Contractor shall be required to install a three layered routed network across the Airport's campus as part of the SOW.

Item	Equipment purchased	Unit	Quantity Purchased	Unit price	Materials bid	Labor Unit	Labor quantity	Labor rate	Labor bid	Total Bid
1				1	\$				\$	\$
2					\$				\$	\$
3					\$				\$	\$
4					\$				\$	\$
5					\$				\$	\$
6					\$				\$	\$
7					\$				\$	\$
8					\$				\$	\$
9					\$				\$	\$
10					\$				\$	\$
11					\$				\$	\$
12					\$				\$	\$
13					\$				\$	\$
14					\$				\$	\$
15					\$				\$	\$
16					\$				\$	\$
17					\$				\$	\$
18					\$				\$	\$
19					\$				\$	\$
20					\$				\$	\$
21					\$				\$	\$
22					\$				\$	\$
23					\$				\$	\$
24					\$				\$	\$
25					\$				\$	\$
26					\$				\$	\$
27					\$				\$	\$

# DFW Airport Campus Security Surveillance System – Contract 7005316

#### **Project Pricing Schedule**

**Summary Pages** 

Summary rages		
28	\$	\$ \$
29	\$	\$ \$
30	\$	\$ \$
31	\$	\$ \$
32	\$	\$ \$
	\$	\$ \$
	\$	\$ \$
Totals	\$	\$ \$

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

## **Summary Pages Terminal C**

8.03- Expansion requirements: IP Network Installation – Contractor shall be required to install a three layered routed network across the Airport's campus as part of the SOW.

Item	Equipment purchased	Unit	Quantity Purchased	Unit price	Materials bid	Labor Unit	Labor quantity	Labor rate	Labor bid	Total Bid
1				1	\$				\$	\$
2					\$				\$	\$
3					\$				\$	\$
4					\$				\$	\$
5					\$				\$	\$
6					\$				\$	\$
7					\$				\$	\$
8					\$				\$	\$
9					\$				\$	\$
10					\$				\$	\$
11					\$				\$	\$
12					\$				\$	\$
13					\$				\$	\$
14					\$				\$	\$
15					\$				\$	\$
16					\$				\$	\$
17					\$				\$	\$
18					\$				\$	\$
19					\$				\$	\$
20					\$				\$	\$
21					\$				\$	\$
22					\$				\$	\$
23					\$				\$	\$
24					\$				\$	\$
25					\$				\$	\$
26					\$				\$	\$
27					\$				\$	\$

**Summary Pages** 

10 01	J					
28			\$		\$	\$
29			\$		\$	\$
30			\$		\$	\$
31			\$		\$	\$
32			\$		\$	\$
			\$		\$	\$
			\$		\$	\$
Totals			\$		\$	\$

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

## Summary Pages Terminal D

9.01- Expansion requirements: IP Network Installation – Contractor shall be required to install a three layered routed network across the Airport's campus as part of the SOW.

Item	Equipment purchased	Unit		Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1					\$				\$	\$
2					\$				\$	\$
3					\$				\$	\$
4					\$				\$	\$
5					\$				\$	\$
6					\$				\$	\$
7					\$				\$	\$
8					\$				\$	\$
9					\$				\$	\$
10					\$				\$	\$
11					\$				\$	\$
12					\$				\$	\$
13					\$				\$	\$
14					\$				\$	\$
15					\$				\$	\$
16					\$				\$	\$
17					\$				\$	\$
18					\$				\$	\$
19					\$				\$	\$
20					\$				\$	\$
21					\$				\$	\$
22					\$				\$	\$
23					\$				\$	\$
24					\$				\$	\$
25					\$				\$	\$
26					\$				\$	\$
27					\$				\$	\$

**Summary Pages** 

Dummary rages					
28			\$		\$ \$
29			\$		\$ \$
30			\$		\$ \$
31			\$		\$ \$
32			\$		\$ \$
			\$		\$ \$
			\$		\$ \$
Totals			\$		\$ \$

**Terminal E**10.03- Expansion requirements: IP Network Installation – Contractor shall be required to expand the capacity of the fiber optic plant to the degree specified in the SOW.

Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1					\$				\$	\$
2					\$				\$	\$
3					\$				\$	\$
4					\$				\$	\$
5					\$				\$	\$
6					\$				\$	\$
7					\$				\$	\$
8					\$				\$	\$
9					\$				\$	\$
10					\$				\$	\$
11					\$				\$	\$
12					\$				\$	\$
13					\$				\$	\$
14					\$				\$	\$
15					\$				\$	\$

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

**Summary Pages** 

Summary rages			
16	\$	\$	\$
17	\$	\$	\$
18	\$	\$	\$
19	\$	\$	\$
20	\$	\$	\$
21	\$	\$	\$
22	\$	\$	\$
23	\$	\$	\$
24	\$	\$	\$
25	\$	\$	\$
26	\$	\$	\$
27	\$	\$	\$
28	\$	\$	\$
29	\$	\$	\$
30	\$	\$	\$
31	\$	\$	\$
32	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
Totals	\$	\$	\$

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

### **Summary Pages Terminal A**

6.04 – Expansion requirements: Zenitel Intercom Subsystem Upgrade – Accomplish replacements to the Voice Communications Subsystem that convert it from analog to IP

Item	Equipment purchased	Unit	Quantity Purchased	Unit price	Materials bid	Labor Unit	Labor quantity	Labor rate	Labor bid	Total Bid
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
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14										
15										
16										
17										
18										
19										
20										
Totals										

**Summary Pages** 

# Summary Pages Terminal B

7.04 – Expansion requirements: Zenitel Intercom Subsystem Upgrade – Accomplish replacements to the Voice Communications Subsystem that convert it from analog to IP

Item	Equipment purchased	Unit	Quantity Purchased	Unit price	Materials bid	Labor Unit	Labor quantity	Labor rate	Labor bid	Total Bid
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
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18										
19										
20										
Totals										

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

## **Summary Pages Terminal C**

8.04 – Expansion requirements: Zenitel Intercom Subsystem Upgrade – Accomplish replacements to the Voice Communications Subsystem that convert it from analog to IP

Item	Equipment purchased	Unit	Quantity Purchased	Unit price	Materials bid	Labor Unit	Labor quantity	Labor rate	Labor bid	Total Bid
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
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18										
19										
20										
Totals										

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

# Summary Pages Terminal D

9.02 – Expansion requirements: Zenitel Intercom Subsystem Upgrade – Accomplish replacements to the Voice Communications Subsystem that convert it from analog to IP

Item	Equipment purchased	Unit	Quantity Purchased	Unit price	Materials bid	Labor Unit	Labor quantity	Labor rate	Labor bid	Total Bid
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
Totals										

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

## **Summary Pages Terminal E**

10.04 – Expansion requirements: Zenitel Intercom Subsystem Upgrade – Accomplish replacements to the Voice Communications Subsystem that convert it from analog to IP

Item	Equipment purchased	Unit	Quantity Purchased	Unit price	Materials bid	Labor Unit	Labor quantity	Labor rate	Labor bid	Total Bid
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
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18										
19										
20										
Totals										

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

#### **Summary Pages Terminal A**

6.05 – Expansion requirements: Building Integration to System Head End. Contractor shall connect distribution switches installed to core switches in head end of the system

Item	Equipment purchased	Unit	Quantity Purchased	Unit price	Materials bid	Labor Unit	Labor quantity	Labor rate	Labor bid	Total Bid
1										
2										
3										
4										
5										
6										
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13										
14										
Totals										

#### **Terminal B**

7.05 – Expansion requirements: Building Integration to System Head End. Contractor shall connect distribution switches installed to core switches in head end of the system

Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1										
2										
3										
4										

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

**Summary Pages** 

Summe	ary rages					
5						
6						
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12						
13						
14						
Totals				•		

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

## **Summary Pages Terminal C**

8.05 – Expansion requirements: Building Integration to System Head End. Contractor shall connect distribution switches installed to core switches in head end of the system

Item	Equipment purchased	Unit	Quantity Purchased	Unit price	Materials bid	Labor Unit	Labor quantity	Labor rate	Labor bid	Total Bid
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
Totals										

#### **Terminal D (MCRN)**

9.03 – Expansion requirements: Building Integration to System Head End. Contractor shall connect distribution switches installed to core switches in head end of the system

Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1										
2										
3										
4										

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**Summary Pages** 

Summi	ary rages					
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
Totals						

#### Terminal D (MCRS)

9.03 – Expansion requirements: Building Integration to System Head End. Contractor shall connect distribution switches installed to core switches in head end of the system

Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1										
2										
3										
4										
5										
6										
7										
8										
9										
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11										
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14										

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68

Summary Pages					
Totals					

#### **Terminal E**

10.05 – Expansion requirements: Building Integration to System Head End. Contractor shall connect distribution switches installed to core switches in head end of the system

Item	Equipment purchased	Unit	Quantity Purchased	Unit price	Materials bid	Labor Unit	Labor quantity	Labor rate	Labor bid	Total Bid
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
Totals										

#### Terminal A

6.06 - Expansion requirements: IP Camera Installation - Contractor shall install cameras in quantities and locations identified at Schedule-A

Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1										
2										
3										

**Summary Pages** 

Sullilli	ary Pages					
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
Totals						

#### Terminal B

7.06 – Expansion requirements: IP Camera Installation - Contractor shall install cameras in quantities and locations identified at Schedule-B

Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1										
2										
3										
4										
5										
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12		•								
13		•								
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All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

# DFW Airport Campus Security Surveillance System - Contract 7005316

## **Project Pricing Schedule**

Summary Pages
Totals

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

#### **Summary Pages Terminal C**

8.06 - Expansion requirements: IP Camera Installation - Contractor shall install cameras in quantities and locations identified at Schedule-C

Item	Equipment purchased	Unit	Quantity Purchased	Unit price	Materials bid	Labor Unit	Labor quantity	Labor rate	Labor bid	Total Bid
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
Totals		•								

# **Terminal D (North and Center)**

9.04 - Expansion requirements: IP Camera Installation - Contractor shall install cameras in quantities and locations identified at Schedule-D

Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1										
2										
3										
4										
5										
6										
7										

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

**Summary Pages** 

Summe	ary rages					
8						
9						
10						
11						
12						
13						
14						
Totals				·		

#### **Terminal D (South)**

9.04 – Expansion requirements: IP Camera Installation - Contractor shall install cameras in quantities and locations identified at Schedule-D

Item	Equipment purchased	Unit	Quantity Purchased	Unit price	Materials bid	Labor Unit	Labor quantity	Labor rate	Labor bid	Total Bid
1				•						
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
Totals										

#### Terminal E

All items of cost, whether or not specifically identified in the Statement of Work must be identified in these pricing documents. Owner recognizes that some items of cost may not be directly associated with an equipment purchase and the installation thereof. Items of cost no so clearly classified shall be listed in the pricing pages as service items and will be uniquely labeled (i.e. Service item-1, Service item-2, Service item-3 etc.) in the equipment purchased column. Bidder will attach a schedule of all items listed to each pricing page and clearly identify the nature and purpose of the expense.

#### **Summary Pages**

10.06 - Expansion requirements: IP Camera Installation - Contractor shall install cameras in quantities and locations identified at Schedule-E

Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor		Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13		·								
14		·								
Totals										

#### Terminal A

6.07 – Expansion requirements: Analog Camera Relocation – Reinstall a specified number of decommissioned cameras onto the unsecured concourse of Terminal A

Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1										
2										
3										
4										
5										
Totals										

#### Terminal B

## **Summary Pages**

7.07 – Expansion requirements: Analog Camera Relocation – Reinstall a specified number of decommissioned cameras onto the unsecured concourse of Terminal B

Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1										
2										
3										
4										
5										
Totals										

#### **Terminal C**

8.07 – Expansion requirements: Analog Camera Relocation – Reinstall a specified number of decommissioned cameras onto the unsecured concourse of Terminal C

Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1										
2										
3										
4										
5										
Totals										

#### Terminal E

10.07 – Expansion requirements: Analog Camera Relocation – Reinstall a specified number of decommissioned cameras onto the unsecured concourse of Terminal E

Item	Equipment purchased	Unit	Quantity	Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1										
2										
3										
4										

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**Summary Pages** 

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	5										1
	Totals										<u> </u>

#### **OTHER**

MISC - G/C / Integrator Services: General Contractor/Integrator Services/ Identify all below. Total should match bid amount

Item	Equipment purchased	Unit		Unit	Materials	Labor	Labor	Labor	Labor	Total Bid
			Purchased	price	bid	Unit	quantity	rate	bid	
1					\$				\$	\$
2					\$				\$	\$
3					\$				\$	\$
4					\$				\$	\$
5					\$				\$	\$
6					\$				\$	\$
7					\$				\$	\$
8					\$				\$	\$
9					\$				\$	\$
10					\$				\$	\$
11					\$				\$	\$
12					\$				\$	\$
13					\$				\$	\$
14					\$				\$	\$
15					\$				\$	\$
16					\$				\$	\$
17					\$				\$	\$
18					\$				\$	\$
19					\$				\$	\$
20					\$				\$	\$
21					\$				\$	\$
22					\$				\$	\$
23					\$				\$	\$
24					\$				\$	\$
25					\$				\$	\$
26					\$				\$	\$

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**Summary Pages** 

Summary rages					
27		\$		\$	\$
28		\$		\$	\$
29		\$		\$	\$
30		\$		\$	\$
31		\$		\$	\$
32		\$		\$	\$
		\$		\$	\$
		\$		\$	\$
Totals		\$		\$	\$

END OF PRICING SCHEDULE SECTION

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