

**CITY OF SAN ANTONIO
PUBLIC WORKS DEPARTMENT
CITY COUNCIL AGENDA MEMORANDUM**

TO: Mayor and City Council

FROM: Thomas G. Wendorf, P.E., Director of Public Works

SUBJECT: New Fire Fighting Training Academy - Field Alterations Number 10 & 11

DATE: November 3, 2005

SUMMARY AND RECOMMENDATIONS

This ordinance approves Field Alteration Number 10 in the amount of \$52,574.62 and Field Alteration Number 11 in the amount of \$74,022.30 payable to W.G. Yates & Sons Construction Company, for a total ordinance amount of \$126,596.92, in connection with the New Fire Fighting Training Academy, a 1999-2004 General Obligation Public Safety Improvement Bond funded project, located in Council District 6.

Staff recommends approval of this Ordinance.

BACKGROUND INFORMATION

This project provides for a new 45,600 sq. ft. facility, outdoor fire training props, and site development improvements. The facility is being built on 50 acres located at the City owned Southwest Business and Technology Center (previously known as the Van de Walle Property). The total budget for this project is \$9,580,000.00. Project construction is ongoing and expected to be completed in November of 2005.

This ordinance authorizes Field Alteration Number 10, in the amount of \$52,574.62, for the installation of electrical conduits and boxes for security cameras, and a new alarm system. This ordinance also authorizes Field Alteration Number 11, in the amount of \$74,022.30, for the installation of audio and video equipment. Field Alterations Number 10 and 11 are included herein as Attachments 2 and 3.

A previously executed construction contract with W.G. Yates & Sons Construction Company, in the amount of \$8,015,800 was approved by City Council on February 5, 2004, through Ordinance No. 98795. Subsequent construction field alterations have increased the contract to \$8,139,345.09. This ordinance will increase the total amount approved for this contract to \$8,265,942.01.

POLICY ANALYSIS

Approval of this ordinance will be a continuation of City Council policy to participate in the development and construction of 1999-2004 General Obligation Public Safety Improvement Bond funded projects.

FISCAL IMPACT

This is a one-time capital improvement expenditure in the amount of \$126,596.92, within budget and not included in the FY 06-11 Capital Improvement Program Budget. Funding for Field Alteration Number 10 in the amount of \$52,574.62 is available from the previously authorized project construction contingency. Funding for Field Alteration Number 11 in the amount of \$74,022.30 is available from the project's post construction account. Funds in the amount of \$126,596.92 are appropriated and payable to W.G. Yates & Sons Construction Company.

COORDINATION

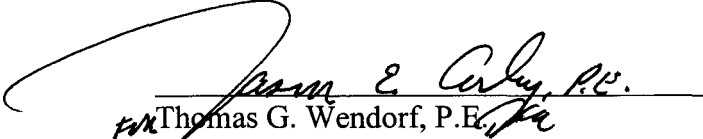
This request for ordinance has been coordinated with the Office of Management and Budget, the Finance Department and the Fire Department.

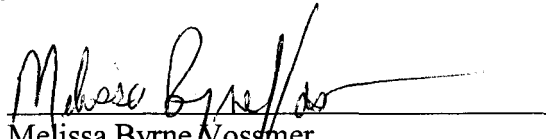
SUPPLEMENTARY COMMENTS

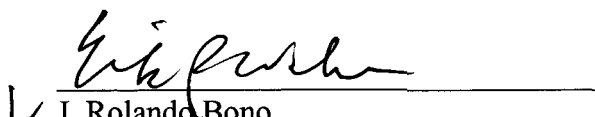
This contract was developed using the formal competitive bid process; therefore, a Discretionary Contracts Disclosure Form is not required.

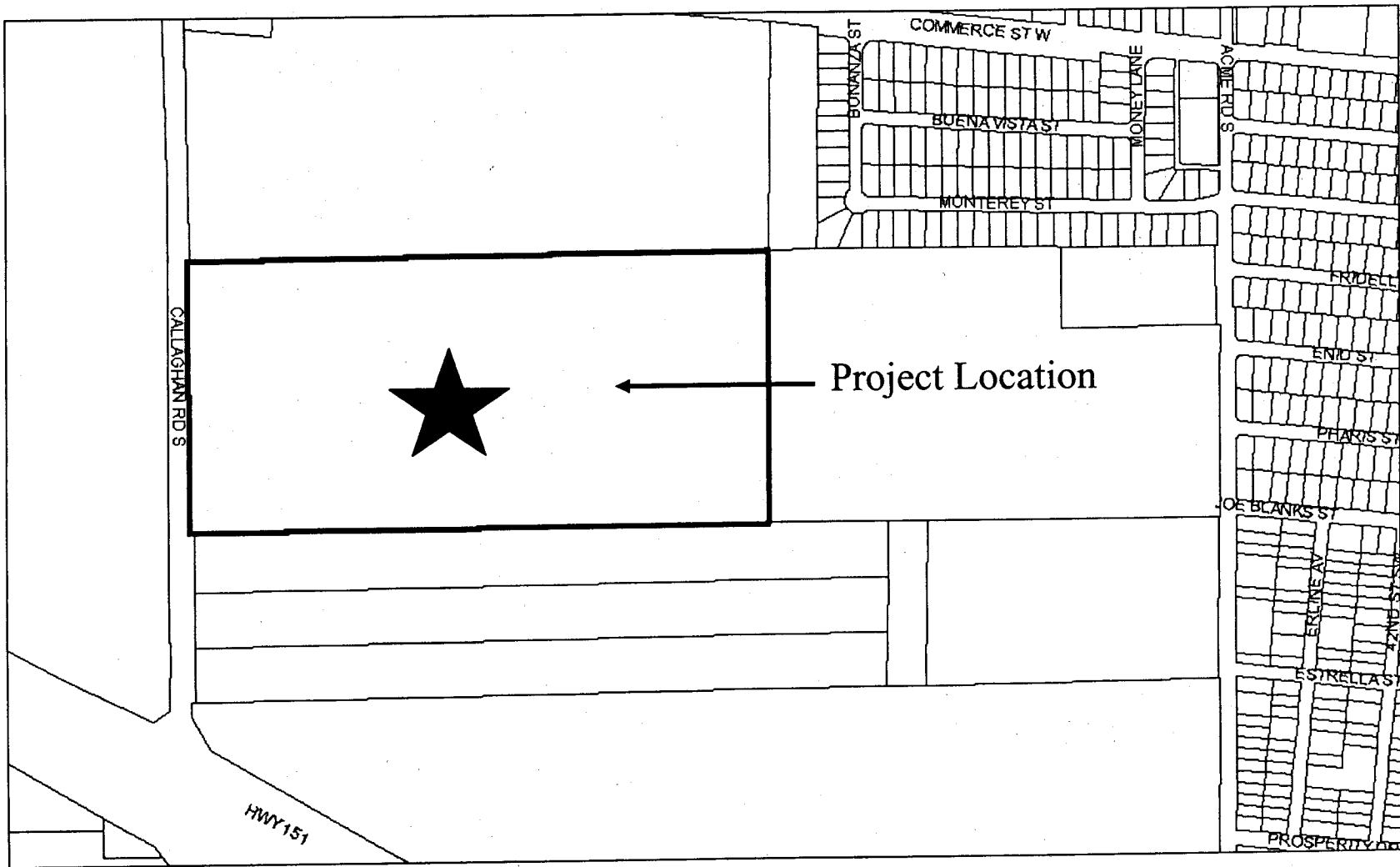
ATTACHMENTS

1. Project Map
2. Field Alteration Number 10
3. Field Alteration Number 11


for Thomas G. Wendorf, P.E.
Director of Public Works


Melissa Byrne Vossmer
Assistant City Manager


J. Rolando Bono
City Manager



Fire Training Academy
Callaghan Road
Council District No. 6

G.I.S. Location Map





CITY OF SAN ANTONIO
PUBLIC WORKS DEPARTMENT
FIELD ALTERATION REQUEST

Form PW-15
Rev. 5/2005
(Submit 2 Originals)

Date Prepared: September 12 2005 Field Alteration No. 10 Project No. 20-00100
Project Name: Fire Fighting Training Academy
(Project Name as shown on the Work Project Authorization)

The revision or amendment described below is to the work originally or previously specified is hereby requested, including all changes in costs. (Describe work to be added or deleted, including SAP Material number. Attach a revised plan sheet affected or drawings.)

Pr # 26- Provide electrical conduits and boxes for security cameras \$7,293.57
PR# 30- Provide Security Access Control System \$15,407.15
PR# 41- Provide CCTV Security System, Provide New Alarm System. \$29,873.90

Justification for Proposed Alteration (Describe in detail why this work is to be added or deleted. Use attachments if necessary.):
See attached backup documentation.

Field Alteration will result in change to Contract Cost as: ☒ Increase ☐ Decrease \$ 52,574.62

Field Alteration will result in change to Contract Days as: ☒ Increase ☐ Decrease
(To be negotiated by the Contractor and the City.) ☐ Working Days 5 Calendar Days

REQUESTED BY:

O'Neill Conrad Oppelt Architects, Inc. - Architect 8/10/05
City, Consulting Engineer/ Architect, Other (Please Specify) Date
Address: 4039 Broadway, San Antonio TX 78209

W. G. Yates & Sons Construction Company
Contractor: David Burton Date
Title: Vice President
Firm: W. G. Yates & Sons Construction Company 10/14/05

RECOMMENDED BY:

[Signature] 10/13/05
Consultant (Project Engineer/Architect Only) Date
Firm: [Signature] 10/18/05
COSA Project Manager
Jesse Fernandez Date

[Signature] 10/18/05
Others: CALL Wedge SAFD Date
(If required: i.e., City Dept., S.A.W.S., etc.)
William E. Krause, COSA Capital Programs Manager Date

APPROVED BY:

Leopoldo P. Cervantes, P.E. Date
Acting City Engineer

Thomas G. Wendorf, P.E. (If over \$25,000) Date
Director of Public Works

-----FOR CITY USE ONLY-----

Ordinance Required: ☐ Yes ☐ No ☐ FA Amount \$25,000 (+ or -) ☐ Additional funds required \$

WBS Element: _____ WBS Element: _____
Original Contract Amount: \$ _____ Construction Contingency Fund: \$ _____
Previous Approved FAs: \$ _____ Previous Approved FA: \$ _____
This Field Alteration: \$ _____ This Field Alteration: \$ _____
Total: \$ _____ Total Field Alterations: \$ _____
Balance: \$ _____
Fund #: _____ Ordinance #: _____ Ordinance Date: _____
Purchase Requisition # _____ Contract # _____ Purchase Order # _____

NOTE: This form is a local government record and shall be retained in accordance with the provisions of the Local Government Code, Section 201. Provide two (2) originals with supporting documents.

Proposal Request #26

Proposal Request No. 0028 Dated February 1, 2005

Revised 4/11/05

002) At Bldg. "B" - Add 4x4 J-Boxes and 3/4" conduit where indicated, stubbed to above lay-in ceilings in the corridors indicated. (See PR 26.2)

003) At Bldg. "C", 5th level, add two 4x4 J-Boxes and 3/4" conduit stubbed into control Rm. C106 for future camera. (See PR 26.3)

| Phase | CT | Description | Qty. | U/M | Labor/Equip. | | Material | | Subcontractor | | Totals |
|-------|----|---|------|-----|--------------|------------|------------|------------|---------------|------------|------------|
| | | | | | Unit Price | Extension | Unit Price | Extension | Unit Price | 10% Profit | |
| 16100 | 3 | Outlet Box | 3 | Ea. | | \$39.90 | \$4.42 | \$13.28 | | \$3.23 | \$37.48 |
| 16100 | 3 | 1 Outlet Box Ext. | 3 | Ea. | | \$23.60 | \$3.02 | \$8.06 | | \$3.26 | \$33.82 |
| 16100 | 3 | 3/4" EMT | 20 | LF | | \$14.50 | \$0.88 | \$17.48 | | \$4.16 | \$45.74 |
| 16100 | 3 | Core Wall | 1 | Ea. | | \$59.00 | \$6.66 | \$6.66 | | \$6.47 | \$71.12 |
| 16100 | 3 | 3/4" EMT Connectors | 14 | Ea. | | \$35.00 | \$3.76 | \$52.84 | | \$6.78 | \$96.40 |
| 16100 | 3 | 1 Hole Straps | 4 | Ea. | | \$2.50 | \$0.37 | \$1.48 | | \$0.40 | \$4.38 |
| 16100 | 3 | Hole Anchors | 4 | Ea. | | \$14.75 | \$0.88 | \$0.32 | | \$1.61 | \$16.68 |
| 16100 | 3 | 1/4" Anchors | 4 | Ea. | | \$13.75 | \$1.06 | \$4.24 | | \$1.00 | \$19.78 |
| 16100 | 3 | Outlet Boxes | 8 | Ea. | | \$87.50 | \$4.82 | \$24.12 | | \$11.16 | \$122.78 |
| 16100 | 3 | Outlet Extension Rings | 6 | Day | | \$44.00 | \$3.02 | \$18.12 | | \$4.21 | \$48.33 |
| 16100 | 3 | 3/4" EMT | 800 | LF | | \$577.00 | \$0.89 | \$446.08 | | \$182.20 | \$1,124.20 |
| 16100 | 3 | 3/4" 1 Hole Straps | 60 | Ea. | | \$31.00 | \$0.37 | \$18.50 | | \$4.85 | \$54.45 |
| 16100 | 3 | Orill Hole Anchors | 60 | Ea. | | \$190.00 | \$0.08 | \$4.00 | | \$19.40 | \$219.40 |
| 16100 | 3 | 1/1" Anchors | 60 | Ea. | | \$168.00 | \$1.06 | \$53.90 | | \$22.10 | \$243.10 |
| 16100 | 3 | Beam Clamps | 35 | Ea. | | \$318.00 | \$4.34 | \$161.90 | | \$46.99 | \$516.89 |
| 16100 | 3 | Core Drill Walls | 6 | Ea. | | \$360.00 | \$6.65 | \$39.90 | | \$39.99 | \$439.89 |
| 16100 | 3 | Ariel Lht | 2 | Ea. | | \$478.00 | \$0.90 | \$0.00 | | \$47.60 | \$523.60 |
| 16100 | 3 | 3/4" Rigid Conduit | 250 | LF | | \$488.00 | \$2.93 | \$732.80 | | \$182.26 | \$1,784.78 |
| 16100 | 3 | 3/4" Unions | 18 | Ea. | | \$180.00 | \$11.30 | \$113.08 | | \$29.30 | \$322.30 |
| 16100 | 3 | Field Bends | 1 | LS | | \$82.00 | \$0.00 | \$0.00 | | \$8.20 | \$84.20 |
| | | Subtotal for Electrical Subcontractor | | | | \$3,594.60 | | \$1,704.77 | | \$526.83 | \$5,291.27 |
| 04200 | 3 | Patching Gyp. Board walls @ A130 | 2 | hrs | | \$32.50 | \$68.00 | \$50.00 | | \$11.50 | \$126.80 |
| 09250 | 3 | Patch CMU/Brick veneer walls @ S.E. corner or Gym | 2 | hrs | | \$36.00 | \$76.00 | \$50.00 | | \$12.60 | \$138.60 |
| 09250 | 3 | Patch CMU Block walls @ B10S/B100 | 2 | hrs | | \$38.00 | \$76.00 | \$50.00 | | \$12.50 | \$138.50 |
| 09250 | 3 | Patch CMU Block walls @ B11S/B122 | 2 | hrs | | \$38.00 | \$76.00 | \$50.00 | | \$12.60 | \$138.60 |
| 09250 | 3 | Patch CMU/Brick veneer walls @ N.W. corner of Gym | 2 | hrs | | \$38.00 | \$76.00 | \$50.00 | | \$12.60 | \$138.60 |
| 09900 | 3 | Painting (patched areas & exposed conduit) | 3 | hrs | | \$37.60 | \$112.50 | \$76.00 | | \$18.75 | \$206.25 |
| 09900 | | Lht rental | 1 | LS | | | \$100.00 | | | \$10.00 | \$110.00 |
| | | Subtotal for Patching | | | | \$641.60 | | \$328.50 | | \$90.66 | \$997.16 |
| | | Totals for PR #26 + Vntes PR #109 | | | | \$4,176.00 | | \$2,029.77 | | \$620.68 | \$7,293.67 |

Fire Fighting Training Academy
W.G. Yates Construction Company

Proposal Request #23

3/18/2005; revised 6/08/05; revised 9/08/05
Proposal Request No. 30, Dated March 10, 2005

Description: 001) Provide Johnson Controls Security Access Control System as noted on PR30.1.

| Phase | CT | Description | Qty. | U/M | Labor/ Equip. | | Material | Subcontractor | Totals |
|-------|----|--|------|-----|---------------|-----------|-----------|---------------|-------------|
| | | | | | Unit Price | Extension | Extension | Extension | |
| 1000 | 6 | See attached Johnsons Control Contract | 1 | LS | | | | \$14,006.50 | \$14,006.50 |
| 1000 | 6 | | | | | | | | |
| | | | | | | | | | |
| | | 10% Profit | | | | | | | \$1,400.85 |
| | | | | | | | | | |
| | | Subtotal | | | | | | | \$15,407.15 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | Total | | | | | | | \$15,407.16 |

30.1 R

JOHNSON
CONTROLS
*Expanding Your
Frontierland!*

City of San Antonio - Callaghan Rd Access Control

June 14, 2005

| Panel Room | | | | |
|----------------------|----------------|---------------------------------|-----------|------------|
| Quantity | Part Number | Description | Unit Cost | Ext Price |
| 1 | CE721 | 4-Door Controller | 2333.00 | 2333.00 |
| 1 | S300-DIN-L | Large Din Rail Enclosure | 411.00 | \$411.00 |
| 2 | S300-DIN-RDR2S | 2 Door Module | 528.00 | \$1,052.00 |
| 2 | S300-BAT | Gel Back-up Battery | 42.00 | \$84.00 |
| 2 | S300-BRIC2 | Battery Bracket | 35.00 | \$70.00 |
| 1 | S300-XFMR | 24V Transformer | 36.00 | \$36.00 |
| 1 | AL300ULPD4 | Lock power supply and enclosure | 275.00 | \$275.00 |
| 1 | Tech | Installation Labor / Wire | 1895.00 | \$1,895.00 |
| Panel Room Subtotal: | | | | \$3,886.00 |

| Two Front Doors BUILD A | | | | |
|---------------------------|-------------|----------------------------------|-----------|------------|
| Quantity | Part Number | Description | Unit Cost | Ext Price |
| 2 | L73-G-2W | Wall Mount Proximity Card Reader | 228.00 | \$456.00 |
| 2 | DS150 | Request-to-Exit motion detector | 127.00 | \$254.00 |
| 2 | 947-75TWH | 3/4" Recessed Steel Door Contact | 20.50 | \$41.00 |
| 1 | Tech | Installation Labor / Wire | 1827.00 | \$1,827.00 |
| Two Front Doors Subtotal: | | | | \$3,578.00 |

| Back Door BUILD A | | | | |
|---------------------|-------------|----------------------------------|-----------|-----------|
| Quantity | Part Number | Description | Unit Cost | Ext Price |
| 1 | L73-G-2W | Wall Mount Proximity Card Reader | 228.00 | \$228.00 |
| 1 | DS150 | Request-to-Exit motion detector | 127.00 | \$127.00 |
| 1 | 947-75TWH | 3/4" Recessed Steel Door Contact | 20.50 | \$20.50 |
| 1 | Tech | Installation Labor / Wire | 316.00 | \$316.00 |
| Back Door Subtotal: | | | | \$591.50 |

| Gate Reader | | | | |
|-----------------------|----------------|----------------------------------|-----------|------------|
| Quantity | Part Number | Description | Unit Cost | Ext Price |
| 1 | L73-G-2W | Wall Mount Proximity Card Reader | 228.00 | \$228.00 |
| 1 | S300-DIN-RDR2S | 2 Door Module | 528.00 | \$528.00 |
| 1 | Tech | Installation Labor / Wire | 932.00 | \$932.00 |
| Gate Reader Subtotal: | | | | \$1,688.00 |

| Cardkey Computer Workstation | | | | |
|--|-------------|--|-----------|------------|
| Quantity | Part Number | Description | Unit Cost | Ext Price |
| 1 | F2000-WS-1 | F2000 Workstation with 17" color LCD monitor | 4345.00 | \$4,345.00 |
| 1 | Training | User Training (4 hours) | 425.00 | \$425.00 |
| 1 | Tech | Installation Labor / Wire | 819.00 | \$819.00 |
| Cardkey Computer Workstation Subtotal: | | | | \$5,589.00 |

| | | | | |
|---|--|--|--|-------------|
| JOHNSON Controls will provide, install, and program all material listed | | | | |
| Access Control Permit: | | | | \$150.00 |
| Project Management: | | | | \$621.00 |
| GRAND TOTAL: | | | | \$16,871.50 |

EXCLUSIONS

NOTES: Conduit and high-voltage AC power provided by others
 Gate operator and ground loops provided by others
 Network connection drops provided by others (panel and workstation)
 All door hardware and 6000 series electric strikes provided by others (\$440/strike if provided by JCI)
 Workstation license provided by City of San Antonio

Acceptance of Work: _____ Date: _____

14006.50

YATES

CONSTRUCTION

September 7, 2005

Tom Forsberg
O'Neill Conrad Oppelt Architects, Inc.
4039 Broadway
San Antonio, TX 78209

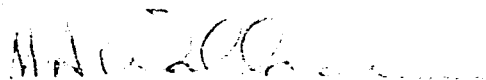
RECEIVED
SEP 08 2005
OCO ARCHITECTS

Re: Proposal Request #41
The New Fire Fighting Training Academy

Dear Mr. Forsberg,

We have received the cost proposal to provide the recessed CCTV Security System. We offer to perform the work for **\$29,873.90**. The cost is based on the proposal received from Tanesco Systems, Inc.. Included in the proposal is 10 % profit as allowed by the contract. We look forward to the response from O'Neill, Conrad, Oppelt as soon as possible. Please forward any questions or request for further information to me.

Sincerely,



Mike Wallace
Assistant Project Manager

File: 58402 - Corr. to Arch.
PR #41

Cc: J. Franco

P R. 41.1

SAFP CCTV TRAINING ACADEMY

DATE: 1/14/2005

Scope of Work: CCTV SYSTEMS

Tanaeco

10715 Gulfdale #204

San Antonio, Tx. 78216

| Qty. | Part # | Description | Sale Cost | Sale Total |
|---------------------|-------------|--|-----------|------------|
| 1 | UNPCH55E | WALL MOUNT CAMERA 5-50MM LENS | 875.00 | 875.00 |
| 1 | DB16B20481 | 16 CAMERA DVR W/480 GIG HARD DRIVE | 6996.50 | 6,996.50 |
| 1 | MON17L | 17' HIGH RES COLOR MONITOR | 1393.00 | 1,393.00 |
| 1 | ENVPSU-1 | POWER SUPPLY FOR DOMES BIPHASE CONVERTER | 140.00 | 140.00 |
| 1 | LTC-8786 | W/CABLES | 266.00 | 266.00 |
| 1 | ENVD2460C | COLOR DOME 18X CORNER MOUNT | 2310.00 | 2,310.00 |
| 1 | LTC-5408/60 | POWER SUPPLY FOR 8 CAMERAS | 98.00 | 98.00 |
| 3000 | WIR0712 | TAPPAN P20RG59FM+18/2/CMP BNC (20) CONDUIT | 0.50 | 1,512.00 |
| 1 | MISC | CONNECTORS | 140.00 | 140.00 |
| | LTC-1461/20 | MINI-DOME CAMERA W/2.8-6MM LENS | 329.00 | 329.00 |
| TSS Parts | | | | 14,270.90 |
| TSS Labor | | | | 5,428.00 |
| Total Parts & Labor | | | | 19,698.90 |

Notes:

Prepared By: TROY BANIK

Option #1

This is the basic system with one fixed camera to look at gate. One camera in lobby and one camera on back of the building to pan tilt and zoom on property. In the future when you added cameras you need to pull wire and add camera, the controller and software and recorder are all built-in to system.

PR 41.2

SAFD ACADEMY ALARM SYSTEM

Scope of Work : INSTALL NEW ALARM SYSTEM

TANSECO SYSTEMS INC
10715 Guldale #204
SAN ANTONIO, TX. 78216
379-7346

| Qty. | Part # | Description | Sale Cost | Sale Total |
|---------------------|---------|--|-----------|------------|
| 1 | PNL5000 | D7412 | 291.00 | 291.00 |
| 3 | PNL0321 | D1255 | 150.77 | 452.30 |
| 2 | BUR0221 | DS835I 35' DUAL TEC wall mount motions | 37.50 | 75.00 |
| 18 | BUR0110 | DOOR CONTACT RECESSED | 10.13 | 182.25 |
| 1 | | POWER SUPPLY | 187.50 | 187.50 |
| 5000 | WIR0201 | 22/4 WIRE | 0.11 | 525.00 |
| 3 | PNL4005 | BOSCH DB128D OCTOPOPIT | 89.69 | 269.06 |
| 1 | MISC | PARTS , AS NEEDED INCLUDING BATTERY | 300.00 | 300.00 |
| 1000 | WIR703 | 18/2 FPLP OV/SH PLEN | 0.14 | 135.00 |
| 17 | BUR0222 | CROW TL360 DEG. CEILING MOTION | 41.93 | 712.73 |
| TSS Parts | | | | 3,129.84 |
| TSS Labor | | | | 4,329.16 |
| Total Parts & Labor | | | | 7,459.00 |

MONTHLY MONITORING FEE 30.00 PER MONTH

ONE YEAR WARRANTY PARTS.

11.
19,698.90
7,459.00

27,157.90
2,715.00

10% 29,873.90



CITY OF SAN ANTONIO
PUBLIC WORKS DEPARTMENT
FIELD ALTERATION REQUEST

Form PW-15
Rev. 5/2005
(Submit 2 Originals)

Date Prepared: October 6, 2005 Field Alteration No. 11 Project No. 20-00100

Project Name: Fire Fighting Training Academy
(Project Name as shown on the Work Project Authorization)

The revision or amendment described below is to the work originally or previously specified is hereby requested, including all changes in costs. (Describe work to be added or deleted, including SAP Material number. Attach a revised plan sheet affected or drawings.)
PR #40 - Furnish and install the audio video equipment per drawings and specs prepared by WJHW. \$74,022.30

Justification for Proposed Alteration (Describe in detail why this work is to be added or deleted. Use attachments if necessary.):
See attached backup documentation.

Field Alteration will result in change to Contract Cost as: ☒ Increase ☐ Decrease \$ 74,022.30

Field Alteration will result in change to Contract Days as: ☐ Increase ☐ Decrease
(To be negotiated by the Contractor and the City.) ☐ Working Days ☐ Calendar Days

REQUESTED BY:

O'Neill Conrad Oppelt Architects, Inc. - Architect 10/6/05
City, Consulting Engineer/ Architect, Other (Please Specify) Date
Address: 4039 Broadway, San Antonio TX 78209

W. G. Yates & Sons Construction Company
Contractor: David Burton Date
Title: Vice President Tony H. Lyman 10-7-05
Firm:

RECOMMENDED BY:

[Signature] 10/6/05
Consultant (Project Engineer/Architect Only) Date
Firm: [Signature] 10-7-05
[Signature] COSA Project Manager Date
[Signature]

[Signature] 10/11/05
Others: Date
(If required; i.e., City Dept., S.A.W.S., etc.) Carl Wedge
William E. Krause, COSA Capital Programs Manager Date

APPROVED BY:

Leopoldo P. Cervantes, P.E. Date
Acting City Engineer

Thomas G. Wendorf, P.E. (If over \$25,000) Date
Director of Public Works

FOR CITY USE ONLY

Ordinance Required: ☐ Yes ☐ No ☐ FA Amount \$25,000 (+ or -) ☐ Additional funds required \$

WBS Element: _____
Original Contract Amount: \$ _____
Previous Approved FAs: \$ _____
This Field Alteration: \$ _____
Total: \$ _____

WBS Element: _____
Construction Contingency Fund: \$ _____
Previous Approved FA: \$ _____
This Field Alteration: \$ _____
Total Field Alterations: \$ _____
Balance: \$ _____

Fund #: _____ Ordinance #: _____
Purchase Requisition # _____ Contract # _____

Ordinance Date: _____
Purchase Order # _____

NOTE: This form is a local government record and shall be retained in accordance with the provisions of the Local Government Code, Section 201. Provide two (2) originals with supporting documents.

Fire Fighting Training Academy

W.G. Yates Construction Company

Proposal Request # 40

9/15/2005

Proposal Request No. 42, Dated August 16, 2005

Description: Furnish and install the audio video equipment described in the attached drawings and specifications.

| Phase | CT | Description | Qty. | U/M | Labor/ Equip. | | Material | Subcontractor | Totals |
|-------|----|--|------|-----|---------------|-----------|-----------|---------------|-------------|
| | | | | | Unit Price | Extension | Extension | Profit | |
| 11130 | 2 | See attached proposal from Digital Display Solutions, Inc. | 1 | LS | | | | | \$63,293.00 |
| 9250 | 3 | Patching Allowance | 1 | LS | | | | | \$4,000.00 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | Subtotal | | | | | | | \$67,293.00 |
| | | | | | | | | | |
| | | Yates 10% Profit | | | | | | | \$6,729.30 |
| | | | | | | | | | |
| | | Total | | | | | | | \$74,022.30 |

DIGITAL DISPLAY SOLUTIONS, INC.

Audio Visual System Design, Sales, Rental

Section 5. Equipment Schedule with Recommended Substitutions

| ITEM | MAKE | MODEL | DESCRIPTION | PRICE | QTY | EXT PRICE |
|-------------------------------|------------------------------|---------------------|--|------------|-----|--------------------|
| LECTURE HALL AV SYSTEM | | | | | | |
| 1 | Audio Technica | ES935SC | Lecturn Gooseneck Microphone | \$219.00 | 1 | \$219.00 |
| 2 | Audio Technica | AWE-1453 | Wireless Microphone System | \$548.00 | 1 | \$548.00 |
| 3 | Crestron | C2N-TTVFM | TV Tuner with Rack Mount | \$718.00 | 1 | \$718.00 |
| 4 | Panasonic | PV-D4744K | DVD/VCR Combo | \$169.00 | 1 | \$169.00 |
| 5 | MAP | RSH | Rack Mount for DVD/VCR | \$51.00 | 1 | \$51.00 |
| 6 | EXTRON | CIA114 | Computer Interface with VGAM 6' Cable | \$465.00 | 1 | \$465.00 |
| 7 | Biamp Nexia PM | DPS Mixer (MIX 1) | Audio Mixer Processor | \$2,100.00 | 1 | \$2,100.00 |
| 8 | Crown | CTs 4200 | Four Channel Amplifier (PA-1) | \$965.00 | 1 | \$965.00 |
| 11 | JBL | Control 26CT | Ceiling Speakers (SP-A) | \$115.00 | 10 | \$1,150.00 |
| 12 | JBL | Control -28-WH | Program Speakers with wall mounts | \$175.00 | 2 | \$350.00 |
| 13 | Sennheiser | SZI 1015-T | Assistive Listening System Transmitter / Emitter | \$986.00 | 1 | \$986.00 |
| 14 | Sennheiser | R1250 | Assistive Listening Receiver | \$121.00 | 4 | \$484.00 |
| 15 | Sennheiser | L151-10/NT | Assistive Listening Battery Charger | \$285.00 | 1 | \$285.00 |
| 16 | Sennheiser | ADA | ADA Wall Plaque | \$35.00 | 2 | \$70.00 |
| 17 | Infocus | LP840 | Multimedia Projector (VP 1) | | 1 | |
| sub | * Hitachi | CPX1200 | Multimedia Projector (VP 1) | \$3,632.00 | 1 | \$3,632.00 |
| | Hitachi is orig.manufacturer | | | | | |
| 18 | Infocus | 022 0.8:1 | Optiona Short throw Lens | | 1 | |
| sub | Hitachi | FL-501 0.8:1 lens | Same lens | \$1,499.00 | 1 | \$1,499.00 |
| | Hitachi | spare lamp | | \$429.00 | 1 | \$429.00 |
| 19 | Draper | | Projector Support Stand | \$1,610.00 | 1 | \$1,610.00 |
| 20 | EXTRON | DVS-406 | Video/Audio Switcher/Scaler (SW-1) 6x1 w/rack | \$2,576.00 | 1 | \$2,576.00 |
| 21 | EXTRON | SW4 VGAAs | Video /Audio Switcher Scaler (SW-2) | \$635.00 | 1 | \$635.00 |
| 22 | EXTRON | 60-190-01 | Rack Mount for Video Switcher | \$45.00 | 1 | \$45.00 |
| 23 | Crestron | AV2 | Central Controller with power supply (RCS-1) | \$1,645.00 | 1 | \$1,645.00 |
| 24 | Crestron | CN-TVAV | Central Controller (RCS-2) with Power supply | \$545.00 | 1 | \$545.00 |
| 25 | Crestron | TPS-3000 /HBK-3000- | Control Touch Panel (TP-1) | \$2,345.00 | 1 | \$2,345.00 |
| 26 | Crestron | ST-PC | Power Module | \$175.00 | 1 | \$175.00 |
| 27 | Crestron | ST-RMK | Rack Mount for Power Module | \$99.00 | 1 | \$99.00 |
| 30 | Middle Atlantic | ERK-4025 | Equipment Rack 20RU (ER-1) w/rear rails | \$495.00 | 1 | \$495.00 |
| 31 | RCI | | Custom floorplate | \$255.00 | 1 | \$255.00 |
| 32 | Van San | President 1700-40 | Lecturn (LCT 1) wit document camera drawer | \$3,450.00 | 1 | \$3,450.00 |
| 33 | Surge | MAP | Power Strip (PWR-1) | \$68.00 | 1 | \$68.00 |
| 34 | Wireless Computing | RF-220 | Wireless Keyboard | \$322.00 | 1 | \$322.00 |
| 35 | MAP | SB | Rack blanks | \$13.00 | 9 | \$117.00 |
| 36 | MAP | VT | Rack vent plates | \$12.00 | 2 | \$24.00 |
| Equipment Total | | | | | | \$28,526.00 |

DIGITAL DISPLAY SOLUTIONS, INC.

Audio Visual System Design, Sales, Rental

Other costs:

| | | |
|---------------------------|--|--------------------|
| Installation Materials | All cables, connectors, and misc. materials required to install all above equipment | \$445.00 |
| Installation Labor | All labor required to install all above equipment & materials 2 men X 30 hrs @ \$65.00 per man hr = \$3900.00 | \$3,900.00 |
| Crestron Programming | Custom software programming for Crestron Control System | \$3,300.00 |
| Freight charges | | <u>\$600.00</u> |
| LECTURE HALL TOTAL | | \$36,771.00 |

| ITEM | MAKE | MODEL | DESCRIPTION | PRICE | QTY | EXT PRICE |
|------|------|-------|-------------|-------|-----|-----------|
|------|------|-------|-------------|-------|-----|-----------|

CADET TRAINING ROOM (A108) TRAINING ROOM

| | | | | | | |
|-----|-----------|-----------------------|--|------------|----|------------|
| 1 | EXTRON | MPA 122 | (PA-2) Amp with 70-374-01 Projector Mounting I | \$230.00 | 1 | \$230.00 |
| 2 | TOA | A-712A | (PA-3) Amplifier with MB-21B2 Rack Mount Kit | \$403.00 | 1 | \$403.00 |
| 3 | JBL | Control 26CT | Ceiling Speakers (SP-A) | \$115.00 | 12 | \$1,380.00 |
| 4 | JBL | Control -28-WH | Program Speakers with wall mounts | \$175.00 | 2 | \$350.00 |
| 5 | Infocus | LP815 | Video Projector with Standard 1.8:1 - 2.4:1 Zoon | | | |
| sub | * Hitachi | CPX444 | Video Projector with Standard 1.8:1 - 2.4:1 Zoon | \$2,375.00 | 1 | \$2,375.00 |
| | | > 3200 lumens vs 2800 | | | | |
| 6 | Hitachi | Spare lamp | spare lamp | \$399.00 | 1 | \$399.00 |
| 7 | Premier | PBC-UMS | Universal Ceiling Mount | \$159.00 | 1 | \$159.00 |
| 8 | Raxass | ERK-20 | 20 RU Equipment Rack (ER-K) with Plexiglas dc door | \$402.00 | 1 | \$402.00 |
| 9 | RCI | AVD Series | Rack plate | \$149.00 | 1 | \$149.00 |
| 10 | MAP | SB | Rack blanks | \$13.00 | 4 | \$52.00 |

Equipment Total \$5,899.00

Other costs:

| | | |
|----------------------------------|--|-------------------|
| Installation Materials | All cables, connectors, and misc. materials required to install all above equipment | \$325.00 |
| Installation Labor | All labor required to install all above equipment & materials 2 men X 20 hrs @ \$65.00 per man hr = \$2600.00 | \$2,600.00 |
| Freight charges | | <u>\$300.00</u> |
| CADET TRAINING ROOM TOTAL | | \$9,124.00 |

DIGITAL DISPLAY SOLUTIONS, INC.

Audio Visual System Design, Sales, Rental

| ITEM | MAKE | MODEL | DESCRIPTION | PRICE | QTY | EXT PRICE |
|------|------|-------|-------------|-------|-----|-----------|
|------|------|-------|-------------|-------|-----|-----------|

CLASSROOM AV SYSTEMS (ROOMS A107, A110, A115, A144)

| | | | | | | |
|-----|-----------|-----------------------|--|------------|---|------------|
| 1 | EXTRON | MPA 122 | (PA-2) Amp with 70-374-01 Projector Mounting I | \$230.00 | 4 | \$920.00 |
| 4 | JBL | Control -28-WH | Program Speakers with wall mounts | \$175.00 | 2 | \$350.00 |
| 5 | Infocus | LP815 | Video Projector with Standard 1.8:1 - 2.4:1 Zoon | | | |
| sub | * Hitachi | CPX444 | Video Projector with Standard 1.8:1 - 2.4:1 Zoon | \$2,375.00 | 4 | \$9,500.00 |
| | | > 3200 lumens vs 2800 | | | | |
| 6 | Hitachi | Spare lamp | spare lamp | \$399.00 | 4 | \$1,596.00 |
| 7 | Premier | PBC-UMS | Universal Ceiling Mount | \$159.00 | 4 | \$636.00 |
| 9 | RCI | Custom | Wall plates | \$149.00 | 4 | \$596.00 |

Equipment Total \$13,598.00

Other costs:

Installation Materials \$900.00
All cables, connectors, and misc.
materials required to install all above
equipment

Installation Labor \$2,600.00
All labor required to install all above
equipment & materials
2 men X 5 hrs @ \$65.00 per man hr = \$650.00
per room

Freight charges \$300.00

CADET TRAINING ROOM TOTAL \$17,398.00

Section 6. Cost Summary:

Digital Display Solutions Inc. will complete the engineering, installation, programming, testing and certification of the interactive multimedia systems and facilities that have been specified in your Proposal Request. We will also provide complete user training, full documentation and a One Year Warranty on all equipment and labor for the following costs:



SAN ANTONIO FIRE ACADEMY PROJECT PRICE RE-CAP

| | |
|--|---------------------------|
| Lecture Hall A/V System Total | \$36,771.00 |
| Cadet Training Room (A108) A/V System Total | \$9,124.00 |
| Classrooms (A107, A110, A115, A144) A/V Systems Total | <u>\$17,398.00</u> |
| PROJECT TOTAL | \$63,293.00 |

Section 7. Proposal Summary

Digital Display Solutions Inc. looks forward to working on this exciting and challenging project. We are available to review and discuss any part of this proposal and if required will make what ever adjustments that would make the proposal more acceptable to Yates Construction and the San Antonio Fire Fighting Training Academy.

Thank you for your consideration.

Submitted by

Roger Harbert, President
Digital Display Solutions Inc.