

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
AGENDA ITEM SUMMARY

3H-2

Meeting Date: October 6, 2009

Consent
 Ordinance

Regular
 Public Hearing

Department: Facilities Development & Operations

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: JOC Work Order No. 09-081 with M.A.C. Construction, Inc., (R2007-0949) in the amount of \$309,214.10 to provide renovations to an IT Server Room on the fourth floor of the Judicial Center for The Clerk & Comptroller's office.

Summary: The work consists of installation of a new HVAC system including all associated plumbing and electrical, the addition of a raised floor including ramps and railings, relocation of the existing UPS units, new electrical distribution panels, new cable trays, revisions to the ceiling grid and lighting, and other associated work. The Small Business Enterprise (SBE) goals are 15%. The SBE participation in this work order is 63.72%. When the participation for this work order is added to M.A.C.'s total participation-to-date, the resulting values are 20.92%. The total construction duration is 240 days. All funding for this project is from the Clerk & Comptroller's budget. (FD&O Admin) Countywide/District 7 (JM)

Background & Justification: The computer equipment in this room handles significant portions of the Clerk's operations, including public access to official records, document processing at all Clerk locations, Clerk and County payroll, and court and press access. This room will also handle the new CJIS system for the Clerk. The air conditioning equipment in this room has been unable to handle the growth of equipment and failures have impacted the Clerk's operations. An engineering study established their needs. The new HVAC system is sized to handle future growth and also provide redundancy for this critical operation. The other work will improve the existing operations as well as provide for the new CJIS system.

Attachments:

1. JOC Work Order
2. Contractor's Proposal
3. SBE Estimate Report
4. Budget Availability Statement

Recommended by:

Army Wolf 9/12/09
Department Director Date

Approved by:

[Signature] 9/24/09
County Administrator Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

| Fiscal Year | 2010 | 2011 | 2012 | 2013 | 2014 |
|-------------------------|--------------|------------------------|------|------|------|
| Capital Expenditures | \$351,850.00 | 0 | 0 | 0 | 0 |
| Operating Costs | 0 | 0 | 0 | 0 | 0 |
| External Revenues | 0 | 0 | 0 | 0 | 0 |
| Program Income (County) | 0 | 0 | 0 | 0 | 0 |
| In-Kind Match (County) | 0 | 0 | 0 | 0 | 0 |
| NET FISCAL IMPACT | \$351,850.00 | 0 ^{see below} | 0 | 0 | 0 |

Additional FTE Positions (Cumulative) — — — —

Is Item Included in Current Budget? Yes X No

Budget Account No: 3804-411-B513 - 4907

Construction
Architecture
Staff Costs
Contingency

\$ 310,000
4,650
6,200
31,000
351,850

Reporting Category _____

B. Recommended Sources of Funds/Summary of Fiscal Impact:

* These funds are from the Clerk.

C. Departmental Fiscal Review: _____

III. REVIEW COMMENTS

A. OFMB Fiscal and/or Contract Development & Control Comments:

[Signature] 9/21/09
OFMB 9/10/09 9/13/09 9/18/09

[Signature] 9/22/09
Contract Dev. and Control
E. Jones 9/21/09

A. Legal Sufficiency:


This item complies with current County policies.

[Signature] 9/23/09
Assistant County Attorney

A. Other Department Review:

Department Director

This summary is not to be used as a basis for payment.

| | | |
|----------------|--|---|
| April 06, 2009 | JOC Work Order Job Order Construction Services |  |
| 08377 | Judicial Center IT Server Room - HVAC Judicial Center 205 North Dixie Highway, WEST PALM BEACH | |

Brief Description: Provide a new HVAC system, raised floor and associated electrical work for the existing fourth floor IT Server Room.

Contractor: M.A.C. Construction, Inc.
9500 N.W. 12 Street
Miami, FL 33172
Contract: R-2007-0949 Dated June 19, 2008

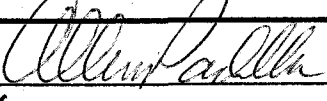
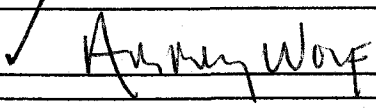
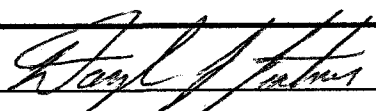
AMOUNT: \$ 309,214.10 DISTRICT: 7

Funding: 3804-411-B426-27-4907

JOC Work Order #: 09-081

Project Duration: 8 Months (Liquidated damages will apply)

Approval Signatures

| | | |
|--|--|-----------------|
| Allen Padilla, Project Coordinator |  | 4/7/09 Date |
| Audrey Wolf, Director Facilities Development & Operations |  | 9/12/09 Date |
| Chair Contract Review Committee | (NOT REQUIRED FOR PROJECTS <\$100,000 OR >\$200,000) | |
| Approved as to form and legal sufficiency County Attorney | | Date |
| John F. Koons, Chairman Board of County Commissioners | | Date |
| President M.A.C. Construction, Inc. |  | 4/7/09 Date |

COPY: Project File

ATTACHMENT # 1

Job Order Contract
Proposal Review - CSI Summary

Date: April 06, 2009
Job Order Number: 08377
Job Order Name: Judicial Center IT Server Room - HVAC
Review: Judicial Center IT HVAC - 3/23/2009 2:00:58PM

| | | |
|------------------------------|-----------------|---------------------|
| Section 01 | Subtotal for 01 | \$46,607.10 |
| Section 02 | Subtotal for 02 | \$817.22 |
| Section 05 | Subtotal for 05 | \$17,410.65 |
| Section 07 | Subtotal for 07 | \$1,671.10 |
| Section 08 | Subtotal for 08 | \$933.73 |
| Section 09 | Subtotal for 09 | \$3,528.57 |
| Section 10 | Subtotal for 10 | \$31,641.63 |
| Section 13 | Subtotal for 13 | \$185.18 |
| Section 15 | Subtotal for 15 | \$69,003.79 |
| Section 16 | Subtotal for 16 | \$137,415.13 |
| Proposal Review Total | | \$309,214.10 |

This job order proposal total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding of the line totals and sub-totals.

ATTACHMENT #2

Job Order Contract
Proposal Review - CSI Detail

Date: April 06, 2009
 Job Order Number: 08377
 Job Order Name: Judicial Center IT Server Room - HVAC
 Review: Judicial Center IT HVAC - 3/23/2009 2:00:58PM

| Sect. | Item | Mod. | UOM | Description | Line Total | | | | | |
|-------------------|-------|------|--------------|---|------------------|----------|---|--------|---|-------------|
| Section 01 | | | | | | | | | | |
| 1 | 01352 | 1091 | HR | Electrician, Note: Line items in the CTC include appropriate costs to cover labor. These items will be requested specifically by the owner for miscellaneous work not covered in the CTC. | \$6,859.34 | | | | | |
| | | | | Quantity | Unit Price | Factor | = | Total | | |
| | | | Installation | 160.00 | x | 38.97 | x | 1.1001 | = | \$6,859.34 |
| | | | | for elec demo & f/a wk | | | | | | |
| 2 | 01352 | 1091 | 1911 | HR | For Foreman, Add | \$171.62 | | | | |
| | | | | Quantity | Unit Price | Factor | = | Total | | |
| | | | Installation | 80.00 | x | 1.95 | x | 1.1001 | = | \$171.62 |
| 3 | 01352 | 1281 | HR | Roofer, Composite, Note: Line items in the CTC include appropriate costs to cover labor. These items will be requested specifically by the owner for miscellaneous work not covered in the CTC. | \$9,665.92 | | | | | |
| | | | | Quantity | Unit Price | Factor | = | Total | | |
| | | | Installation | 420.00 | x | 20.92 | x | 1.1001 | = | \$9,665.92 |
| | | | | roof penetration work for roof that is under warranty w/Murton Roofing | | | | | | |
| 4 | 01352 | 1281 | 1911 | HR | For Foreman, Add | \$485.14 | | | | |
| | | | | Quantity | Unit Price | Factor | = | Total | | |
| | | | Installation | 420.00 | x | 1.05 | x | 1.1001 | = | \$485.14 |
| 5 | 01352 | 1311 | HR | Sheet Metal Worker, Note: Line items in the CTC include appropriate costs to cover labor. These items will be requested specifically by the owner for miscellaneous work not covered in the CTC. | \$10,714.09 | | | | | |
| | | | | Quantity | Unit Price | Factor | = | Total | | |
| | | | Installation | 240.00 | x | 40.58 | x | 1.1001 | = | \$10,714.09 |
| | | | | HVAC demo | | | | | | |
| 6 | 01352 | 1311 | 1911 | HR | For Foreman, Add | \$267.98 | | | | |
| | | | | Quantity | Unit Price | Factor | = | Total | | |
| | | | Installation | 120.00 | x | 2.03 | x | 1.1001 | = | \$267.98 |
| 7 | 01352 | 1331 | HR | Sprinkler Installer, Note: Line items in the CTC include appropriate costs to cover labor. These items will be requested specifically by the owner for miscellaneous work not covered in the CTC. | \$5,801.93 | | | | | |
| | | | | Quantity | Unit Price | Factor | = | Total | | |
| | | | Installation | 120.00 | x | 43.95 | x | 1.1001 | = | \$5,801.93 |
| | | | | fire sprinkler mods per plans | | | | | | |
| 8 | 01352 | 1331 | 1911 | HR | For Foreman, Add | \$290.43 | | | | |
| | | | | Quantity | Unit Price | Factor | = | Total | | |
| | | | Installation | 120.00 | x | 2.20 | x | 1.1001 | = | \$290.43 |
| 9 | 01352 | 3020 | HR | Programming And Certification Of New Devices To Existing Panels | \$2,112.19 | | | | | |
| | | | | Quantity | Unit Price | Factor | = | Total | | |
| | | | Installation | 16.00 | x | 120.00 | x | 1.1001 | = | \$2,112.19 |
| 10 | 01510 | 2015 | EA | 20 CY Dumpster (7 Ton Capacity) "Construction Debris" Note: Price Includes Service To Deliver And Pick-up Of Dumpster, Hauling Of Debris, Rental Of Dumpster And Disposal Fee. | \$1,402.63 | | | | | |
| | | | | Quantity | Unit Price | Factor | = | Total | | |
| | | | Installation | 3.00 | x | 425.00 | x | 1.1001 | = | \$1,402.63 |
| 11 | 01560 | 5302 | SF | 1/2" Plywood For Floor Protection | \$34.10 | | | | | |
| | | | | Quantity | Unit Price | Factor | = | Total | | |
| | | | Installation | 100.00 | x | 0.31 | x | 1.1001 | = | \$34.10 |

Proposal Review - CSI Detail (Continued)

Job Order Number: 08377

Job Order Name: Judicial Center IT Server Room - HVAC

Review: Judicial Center IT HVAC - 3/23/2009 2:00:58PM

| | | | | | | | | | | | | |
|------------------------|-------|------|-----|---|----------|------------|--------|---|-------------|--------------------|--|--|
| 12 | 01590 | 9118 | WK | 50 Ton Lift Hydraulic Crane, With Full-Time Operator | | | | | | \$5,787.33 | | |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | | | |
| | | | | | 1.00 | 5,260.73 | 1.1001 | = | \$5,787.33 | | | |
| 13 | 01591 | 4102 | EA | 20 To 30 Ton Move On/Off Cost, Truck Mounted Crane | | | | | | \$346.66 | | |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | | | |
| | | | | | 1.00 | 315.12 | 1.1001 | = | \$346.66 | | | |
| 14 | 01740 | 1111 | CSF | Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent | | | | | | \$2,667.74 | | |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | | | |
| | | | | | 500.00 | 4.85 | 1.1001 | = | \$2,667.74 | | | |
| Subtotal for 01 | | | | | | | | | | \$46,607.10 | | |
| Section 02 | | | | | | | | | | | | |
| 15 | 02112 | 7901 | EA | Core Drill Minimum Charge For projects where the total core drilling charge is less than the minimum charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section. | | | | | | \$762.88 | | |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | | | |
| | | | | | 2.00 | 346.73 | 1.1001 | = | \$762.88 | | | |
| 16 | 02112 | 8113 | SF | Up To 6" Thick Concrete Cutouts, Up To 8 SF With Bar Reinforced, Slab On Grade | | | | | | \$54.34 | | |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | | | |
| | | | | | 4.00 | 12.35 | 1.1001 | = | \$54.34 | | | |
| Subtotal for 02 | | | | | | | | | | \$817.22 | | |
| Section 05 | | | | | | | | | | | | |
| 17 | 05120 | 1331 | TON | 0-20 LB/LF Double L Shape Steel Angles | | | | | | \$6,353.03 | | |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | | | |
| | | | | | 1.00 | 5,774.96 | 1.1001 | = | \$6,353.03 | | | |
| | | | | custom roof stand for A/C unit | | | | | | | | |
| 18 | 05150 | 1106 | LF | 1/2" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core, < 500 LF | | | | | | \$75.91 | | |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | | | |
| | | | | | 60.00 | 1.15 | 1.1001 | = | \$75.91 | | | |
| 19 | 05506 | 1011 | LF | Unistrut Channel 1-5/8" Wide x 1-5/8" High, 12 Gauge | | | | | | \$10,765.16 | | |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | | | |
| | | | | | 1,586.00 | 6.17 | 1.1001 | = | \$10,765.16 | | | |
| 20 | 05506 | 3011 | EA | Unistrut Nut With Spring, 1-5/8" Channel 1/4" | | | | | | \$216.55 | | |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | | | |
| | | | | | 155.00 | 1.27 | 1.1001 | = | \$216.55 | | | |
| Subtotal for 05 | | | | | | | | | | \$17,410.65 | | |
| Section 07 | | | | | | | | | | | | |
| 21 | 07840 | 1059 | EA | Firestopping 8" Diameter Hole With 3" Pipe | | | | | | \$162.13 | | |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | | | |
| | | | | | 2.00 | 73.69 | 1.1001 | = | \$162.13 | | | |
| 22 | 07840 | 2006 | EA | 8" Fire Stop Collar | | | | | | \$38.88 | | |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | | | |
| | | | | | 1.00 | 35.34 | 1.1001 | = | \$38.88 | | | |
| 23 | 07840 | 3015 | CLF | Fire Caulk And Seal, 1"x1" Joint | | | | | | \$1,470.09 | | |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | | | |
| | | | | | 2.00 | 668.16 | 1.1001 | = | \$1,470.09 | | | |
| Subtotal for 07 | | | | | | | | | | \$1,671.10 | | |
| Section 08 | | | | | | | | | | | | |

Proposal Review - CSI Detail (Continued)

Job Order Number: 08377

Job Order Name: Judicial Center IT Server Room - HVAC

Review: Judicial Center IT HVAC - 3/23/2009 2:00:58PM

| | | | | | | | | | |
|------------------------|-------|------|------|---|---|----------|--------------------|-------------|---------|
| 24 | 08110 | 1322 | EA | 6'x6'-8" Through 7'-2"x6-3/4" Deep Metal Door Frame, 16 Gauge | | | | \$390.06 | |
| | | | | Quantity | Unit Price | Factor | Total | | |
| | | | | Installation | 1.00 x 322.83 x | 1.1001 = | \$355.15 | | |
| | | | | Demolition | 1.00 x 31.74 x | 1.1001 = | \$34.92 | | |
| | | | | used for r/r existing and reinstall in new direction/swing | | | | | |
| 25 | 08305 | 1105 | EA | 24"x24" Access Doors Stainless Steel With Lock, Fire Rated | | | | \$543.67 | |
| | | | | Quantity | Unit Price | Factor | Total | | |
| | | | | Installation | 1.00 x 494.20 x | 1.1001 = | \$543.67 | | |
| Subtotal for 08 | | | | | | | \$933.73 | | |
| Section 09 | | | | | | | | | |
| 26 | 09250 | 4101 | SF | Tape, Spackle And Finish Drywall Walls Up To 10' Height | | | | \$30.25 | |
| | | | | Quantity | Unit Price | Factor | Total | | |
| | | | | Installation | 125.00 x 0.22 x | 1.1001 = | \$30.25 | | |
| 27 | 09250 | 4101 | 4291 | SF | For Quantities Up To 128 (< 11.9 m2), Add | | | | \$11.00 |
| | | | | Quantity | Unit Price | Factor | Total | | |
| | | | | Installation | 125.00 x 0.08 x | 1.1001 = | \$11.00 | | |
| 28 | 09920 | 1411 | SF | Paint Interior Plaster/Drywall, 1 Coat Primer, Brush | | | | \$61.61 | |
| | | | | Quantity | Unit Price | Factor | Total | | |
| | | | | Installation | 200.00 x 0.28 x | 1.1001 = | \$61.61 | | |
| 29 | 09920 | 1411 | 3302 | SF | For Quantities > 100 To 250, Add | | | | \$19.80 |
| | | | | Quantity | Unit Price | Factor | Total | | |
| | | | | Installation | 200.00 x 0.09 x | 1.1001 = | \$19.80 | | |
| 30 | 09920 | 1413 | SF | Paint Interior Plaster/Drywall, 2 Coats Paint, Brush | | | | \$121.01 | |
| | | | | Quantity | Unit Price | Factor | Total | | |
| | | | | Installation | 200.00 x 0.55 x | 1.1001 = | \$121.01 | | |
| 31 | 09920 | 1413 | 3302 | SF | For Quantities > 100 To 250, Add | | | | \$37.40 |
| | | | | Quantity | Unit Price | Factor | Total | | |
| | | | | Installation | 200.00 x 0.17 x | 1.1001 = | \$37.40 | | |
| 32 | 09945 | 1821 | SF | Cut And Patch Hole To Match Existing, To 10 SF | | | | \$3,247.50 | |
| | | | | Quantity | Unit Price | Factor | Total | | |
| | | | | Installation | 600.00 x 4.92 x | 1.1001 = | \$3,247.50 | | |
| Subtotal for 09 | | | | | | | \$3,528.57 | | |
| Section 10 | | | | | | | | | |
| 33 | 10271 | 1012 | SF | Tate 1250AS Panel Cover HPL 1/8" Nevamar ST6-1 Gray Star/Black Trim | | | | \$23,390.88 | |
| | | | | Quantity | Unit Price | Factor | Total | | |
| | | | | Installation | 1,750.00 x 12.15 x | 1.1001 = | \$23,390.88 | | |
| 34 | 10271 | 5003 | SF | Tate Standard Bolted Stringer Understructure 30" Or 36" Finished Floor Height | | | | \$8,250.75 | |
| | | | | Quantity | Unit Price | Factor | Total | | |
| | | | | Installation | 2,500.00 x 3.00 x | 1.1001 = | \$8,250.75 | | |
| Subtotal for 10 | | | | | | | \$31,641.63 | | |
| Section 13 | | | | | | | | | |
| 35 | 13851 | 2321 | EA | Housing for air duct mounted smoke detector (includes baffle) | | | | \$185.18 | |
| | | | | Quantity | Unit Price | Factor | Total | | |
| | | | | Installation | 1.00 x 168.33 x | 1.1001 = | \$185.18 | | |
| | | | | one f/a duct detector | | | | | |
| Subtotal for 13 | | | | | | | \$185.18 | | |
| Section 15 | | | | | | | | | |

Proposal Review - CSI Detail (Continued)

Job Order Number: 08377

Job Order Name: Judicial Center IT Server Room - HVAC

Review: Judicial Center IT HVAC - 3/23/2009 2:00:58PM

| | | | | | | | | | | |
|----|-------|------|------|---|---|------------|--------|---|------------|------------|
| 36 | 15042 | 2001 | EA | 1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation | | | | | | \$57.76 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 10.00 | 5.25 | 1.1001 | = | \$57.76 | |
| 37 | 15043 | 3002 | EA | Balancing HVAC Duct System, Ceiling Height > 12' Supply, Return, Exhaust, Register And Diffuser | | | | | | \$1,131.78 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 20.00 | 51.44 | 1.1001 | = | \$1,131.78 | |
| 38 | 15048 | 1314 | EA | Hydrostatic Test, 500-1000 LF, 1/2" - 1-1/2" Diameter Pipe | | | | | | \$719.06 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 1.00 | 653.63 | 1.1001 | = | \$719.06 | |
| 39 | 15048 | 1321 | EA | Hydrostatic Test, 0-100 LF Of 2" - 4" Diameter Pipe | | | | | | \$419.33 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 1.00 | 381.17 | 1.1001 | = | \$419.33 | |
| 40 | 15048 | 1322 | EA | Hydrostatic Test, 101-250 LF Of 2" - 4" Diameter Pipe | | | | | | \$599.21 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 1.00 | 544.69 | 1.1001 | = | \$599.21 | |
| 41 | 15061 | 6194 | EA | 1-1/4" (32 mm) Union, Carbon Steel, Socket Weld, 3000# | | | | | | \$142.44 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 2.00 | 64.74 | 1.1001 | = | \$142.44 | |
| 42 | 15061 | 6195 | EA | 1-1/2" (37 mm) Union, Carbon Steel, Socket Weld, 3000# | | | | | | \$172.58 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 2.00 | 78.44 | 1.1001 | = | \$172.58 | |
| 43 | 15063 | 1104 | LF | 3/4" Inside Diameter (19 mm) Copper Pipe/Tubing Type L | | | | | | \$1,029.69 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 240.00 | 3.90 | 1.1001 | = | \$1,029.69 | |
| 44 | 15063 | 1104 | 1002 | LF | For Type K Tubing Instead Of Type L, Add | | | | | \$150.49 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 240.00 | 0.57 | 1.1001 | = | \$150.49 | |
| 45 | 15063 | 1104 | 2006 | LF | For Work In Restricted Working Space, Add | | | | | \$118.81 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 240.00 | 0.45 | 1.1001 | = | \$118.81 | |
| 46 | 15063 | 1106 | LF | 1-1/4" Inside Diameter (32 mm) Copper Pipe/Tubing Type L | | | | | | \$1,771.60 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 220.00 | 7.32 | 1.1001 | = | \$1,771.60 | |
| 47 | 15063 | 1106 | 2006 | LF | For Work In Restricted Working Space, Add | | | | | \$181.52 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 220.00 | 0.75 | 1.1001 | = | \$181.52 | |
| 48 | 15063 | 1107 | LF | 1-1/2" Inside Diameter (38 mm) Copper Pipe/Tubing Type L | | | | | | \$210.78 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 20.00 | 9.58 | 1.1001 | = | \$210.78 | |
| 49 | 15063 | 1107 | 2006 | LF | For Work In Restricted Working Space, Add | | | | | \$18.48 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 20.00 | 0.84 | 1.1001 | = | \$18.48 | |
| 50 | 15063 | 2113 | EA | 3/4" 90 Degree Elbow, Copper | | | | | | \$692.27 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 36.00 | 17.48 | 1.1001 | = | \$692.27 | |
| 51 | 15063 | 2113 | 2006 | EA | For Work In Restricted Working Space, Add | | | | | \$188.12 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 36.00 | 4.75 | 1.1001 | = | \$188.12 | |

Proposal Review - CSI Detail (Continued)

Job Order Number: 08377

Job Order Name: Judicial Center IT Server Room - HVAC

Review: Judicial Center IT HVAC - 3/23/2009 2:00:58PM

| | | | | | | | | | | | | |
|----|-------|------|------|----|---|----------|------------|----------|--|----------|--|----------|
| 52 | 15063 | 2115 | | EA | 1-1/4" 90 Degree Elbow, Copper | | | | | | | \$938.87 |
| | | | | | | Quantity | Unit Price | Factor | | Total | | |
| | | | | | Installation | 32.00 x | 26.67 x | 1.1001 = | | \$938.87 | | |
| 53 | 15063 | 2115 | 2006 | EA | For Work In Restricted Working Space, Add | | | | | | | \$216.15 |
| | | | | | | Quantity | Unit Price | Factor | | Total | | |
| | | | | | Installation | 32.00 x | 6.14 x | 1.1001 = | | \$216.15 | | |
| 54 | 15063 | 2116 | | EA | 1-1/2" 90 Degree Elbow, Copper | | | | | | | \$211.75 |
| | | | | | | Quantity | Unit Price | Factor | | Total | | |
| | | | | | Installation | 6.00 x | 32.08 x | 1.1001 = | | \$211.75 | | |
| 55 | 15063 | 2116 | 2006 | EA | For Work In Restricted Working Space, Add | | | | | | | \$44.36 |
| | | | | | | Quantity | Unit Price | Factor | | Total | | |
| | | | | | Installation | 6.00 x | 6.72 x | 1.1001 = | | \$44.36 | | |
| 56 | 15063 | 2184 | | EA | 3/4" Straight Copper Coupling | | | | | | | \$261.05 |
| | | | | | | Quantity | Unit Price | Factor | | Total | | |
| | | | | | Installation | 14.00 x | 16.95 x | 1.1001 = | | \$261.05 | | |
| 57 | 15063 | 2184 | 2006 | EA | For Work In Restricted Working Space, Add | | | | | | | \$73.16 |
| | | | | | | Quantity | Unit Price | Factor | | Total | | |
| | | | | | Installation | 14.00 x | 4.75 x | 1.1001 = | | \$73.16 | | |
| 58 | 15063 | 2186 | | EA | 1-1/4" Straight Copper Coupling | | | | | | | \$269.30 |
| | | | | | | Quantity | Unit Price | Factor | | Total | | |
| | | | | | Installation | 10.00 x | 24.48 x | 1.1001 = | | \$269.30 | | |
| 59 | 15063 | 2186 | 2006 | EA | For Work In Restricted Working Space, Add | | | | | | | \$67.55 |
| | | | | | | Quantity | Unit Price | Factor | | Total | | |
| | | | | | Installation | 10.00 x | 6.14 x | 1.1001 = | | \$67.55 | | |
| 60 | 15063 | 2814 | | EA | 1-1/4" Dielectric Union, Copper X Female Iron Pipe | | | | | | | \$97.71 |
| | | | | | | Quantity | Unit Price | Factor | | Total | | |
| | | | | | Installation | 2.00 x | 44.41 x | 1.1001 = | | \$97.71 | | |
| 61 | 15094 | 4112 | | LF | 1/2" Diameter Continuous Threaded Rod, Plain Steel, Bright Finish | | | | | | | \$112.76 |
| | | | | | | Quantity | Unit Price | Factor | | Total | | |
| | | | | | Installation | 50.00 x | 2.05 x | 1.1001 = | | \$112.76 | | |
| 62 | 15094 | 4112 | 4118 | LF | For Galvanized, Add | | | | | | | \$33.55 |
| | | | | | | Quantity | Unit Price | Factor | | Total | | |
| | | | | | Installation | 50.00 x | 0.61 x | 1.1001 = | | \$33.55 | | |
| 63 | 15094 | 4132 | | EA | 1/2" Washer, Flat | | | | | | | \$31.90 |
| | | | | | | Quantity | Unit Price | Factor | | Total | | |
| | | | | | Installation | 100.00 x | 0.29 x | 1.1001 = | | \$31.90 | | |
| 64 | 15094 | 4132 | 4138 | EA | For Galvanized, Add | | | | | | | \$3.30 |
| | | | | | | Quantity | Unit Price | Factor | | Total | | |
| | | | | | Installation | 100.00 x | 0.03 x | 1.1001 = | | \$3.30 | | |
| 65 | 15094 | 4132 | 5391 | EA | For Work In Restricted Working Space, Add | | | | | | | \$5.50 |
| | | | | | | Quantity | Unit Price | Factor | | Total | | |
| | | | | | Installation | 100.00 x | 0.05 x | 1.1001 = | | \$5.50 | | |
| 66 | 15094 | 4152 | | EA | 1/2" Nut, Hex | | | | | | | \$40.70 |
| | | | | | | Quantity | Unit Price | Factor | | Total | | |
| | | | | | Installation | 100.00 x | 0.37 x | 1.1001 = | | \$40.70 | | |
| 67 | 15094 | 4152 | 4158 | EA | For Galvanized, Add | | | | | | | \$3.30 |
| | | | | | | Quantity | Unit Price | Factor | | Total | | |
| | | | | | Installation | 100.00 x | 0.03 x | 1.1001 = | | \$3.30 | | |

Proposal Review - CSI Detail (Continued)

Job Order Number: 08377

Job Order Name: Judicial Center IT Server Room - HVAC

Review: Judicial Center IT HVAC - 3/23/2009 2:00:58PM

| Item # | Material Code | Quantity | Unit Price | Factor | Total |
|--------|--------------------|---|------------|----------|-------------|
| 68 | 15094 4152 5391 EA | For Work In Restricted Working Space, Add | | | \$8.80 |
| | Installation | 100.00 x | 0.08 x | 1.1001 = | \$8.80 |
| 69 | 15104 1102 EA | 3/4" Ball Valve, Brass Body, Threaded Or Sweated, 125#, Regular Port | | | \$67.24 |
| | Installation | 2.00 x | 30.56 x | 1.1001 = | \$67.24 |
| 70 | 15104 1102 1711 EA | For Work In Restricted Working Space, Add | | | \$11.09 |
| | Installation | 2.00 x | 5.04 x | 1.1001 = | \$11.09 |
| 71 | 15104 1104 EA | 1-1/4" Ball Valve, Brass Body, Threaded Or Sweated, 125#, Regular Port | | | \$62.65 |
| | Installation | 1.00 x | 56.95 x | 1.1001 = | \$62.65 |
| 72 | 15104 1104 1711 EA | For Work In Restricted Working Space, Add | | | \$8.49 |
| | Installation | 1.00 x | 7.72 x | 1.1001 = | \$8.49 |
| 73 | 15185 1306 LF | 2" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation | | | \$187.68 |
| | Installation | 20.00 x | 8.53 x | 1.1001 = | \$187.68 |
| 74 | 15834 1129 EA | 12500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | | | \$8,392.17 |
| | Installation | 1.00 x | 7,628.55 x | 1.1001 = | \$8,392.17 |
| 75 | 15834 1129 1421 EA | For Flat Filter Box And Throwaway Filters, Add | | | \$722.22 |
| | Installation | 1.00 x | 656.50 x | 1.1001 = | \$722.22 |
| 76 | 15834 1129 1429 EA | For Electric Heating Coil, Add | | | \$2,957.50 |
| | Installation | 1.00 x | 2,688.39 x | 1.1001 = | \$2,957.50 |
| 77 | 15834 1129 1431 EA | For Chilled Water Cooling Coil, Aluminum Fins, Add | | | \$2,957.50 |
| | Installation | 1.00 x | 2,688.39 x | 1.1001 = | \$2,957.50 |
| 78 | 15834 1129 1434 EA | For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add | | | \$1,932.67 |
| | Installation | 1.00 x | 1,756.81 x | 1.1001 = | \$1,932.67 |
| 79 | 15834 1129 1461 EA | For Variable Air Volume, Add | | | \$847.31 |
| | Installation | 1.00 x | 770.21 x | 1.1001 = | \$847.31 |
| 80 | 15834 1129 1474 EA | For Economizer, Including Panel, Controls And Damper(s), Add | | | \$2,000.10 |
| | Installation | 1.00 x | 1,818.11 x | 1.1001 = | \$2,000.10 |
| 81 | 15840 1503 LB | Sheet Metal Ductwork, High Pressure, Field Fabricated, Galvanized, Field Assemble And Install | | | \$30,252.75 |
| | Installation | 5,000.00 x | 5.50 x | 1.1001 = | \$30,252.75 |
| 82 | 15840 1503 1525 LB | For Quantities > 2000 Lb. To 5000 Lb. (> 907 kg to 2268 kg), Add | | | \$1,155.11 |
| | Installation | 5,000.00 x | 0.21 x | 1.1001 = | \$1,155.11 |
| 83 | 15840 1503 3101 LB | For Work In Restricted Working Space, Add | | | \$7,425.68 |
| | Installation | 5,000.00 x | 1.35 x | 1.1001 = | \$7,425.68 |

Proposal Review - CSI Detail (Continued)

Job Order Number: 08377

Job Order Name: Judicial Center IT Server Room - HVAC

Review: Judicial Center IT HVAC - 3/23/2009 2:00:58PM

Subtotal for 15 \$69,003.79

Section 16

| | | | | | | | | | | |
|----|-------|------|-----|---|----------|------------|--------|---|-------------|-------------|
| 84 | 16101 | 1003 | EA | Lock Out/Tag Out Circuit Breaker | | | | | | \$388.12 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 24.00 | 14.70 | 1.1001 | = | \$388.12 | |
| 85 | 16101 | 4001 | EA | Labeling Wire | | | | | | \$71.78 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 75.00 | 0.87 | 1.1001 | = | \$71.78 | |
| 86 | 16120 | 1222 | MLF | #14 AWG Cable - XLP (XHHW), 600 V, Single Stranded, Placed In Conduit | | | | | | \$4,599.16 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 8.69 | 481.09 | 1.1001 | = | \$4,599.16 | |
| 87 | 16120 | 1223 | MLF | #12 AWG Cable - XLP (XHHW), 600 V, Single Stranded, Placed In Conduit | | | | | | \$8,600.19 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 12.88 | 606.96 | 1.1001 | = | \$8,600.19 | |
| 88 | 16120 | 1224 | MLF | #10 AWG Cable - XLP (XHHW), 600 V, Single Stranded, Placed In Conduit | | | | | | \$2,153.71 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 2.49 | 786.24 | 1.1001 | = | \$2,153.71 | |
| 89 | 16120 | 1225 | MLF | #8 AWG Cable - XLP (XHHW), 600 V, Single Stranded, Placed In Conduit | | | | | | \$2,160.49 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 2.10 | 935.19 | 1.1001 | = | \$2,160.49 | |
| 90 | 16120 | 1226 | MLF | #6 AWG Cable - XLP (XHHW), 600 V, Single Stranded, Placed In Conduit | | | | | | \$8,797.49 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 5.98 | 1,337.29 | 1.1001 | = | \$8,797.49 | |
| 91 | 16120 | 1227 | MLF | #4 AWG Cable - XLP (XHHW), 600 V, Single Stranded, Placed In Conduit | | | | | | \$2,332.77 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 1.10 | 1,927.73 | 1.1001 | = | \$2,332.77 | |
| 92 | 16120 | 1228 | MLF | #3 AWG Cable - XLP (XHHW), 600 V, Single Stranded, Placed In Conduit | | | | | | \$9,939.03 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 3.90 | 2,316.58 | 1.1001 | = | \$9,939.03 | |
| 93 | 16120 | 1462 | MLF | #12 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor | | | | | | \$4,153.13 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 1.80 | 2,097.35 | 1.1001 | = | \$4,153.13 | |
| 94 | 16120 | 1530 | MLF | #1/0 AWG Cable - XLPE-USE-RHH-RHW 600 V Copper, Single Stranded, Placed In Conduit | | | | | | \$12,075.58 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 2.85 | 3,851.51 | 1.1001 | = | \$12,075.58 | |
| 95 | 16120 | 1533 | MLF | #4/0 AWG Cable - XLPE-USE-RHH-RHW 600 V Copper, Single Stranded, Placed In Conduit | | | | | | \$31,834.56 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 4.40 | 6,576.79 | 1.1001 | = | \$31,834.56 | |
| 96 | 16120 | 4154 | MLF | 4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable | | | | | | \$1,956.97 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 1.10 | 1,617.18 | 1.1001 | = | \$1,956.97 | |
| 97 | 16120 | 8213 | MLF | 4/c #18 300 V Thermostat Cable, Low Volt Cable For HVAC System Controls | | | | | | \$3,479.35 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 4.00 | 790.69 | 1.1001 | = | \$3,479.35 | |
| 98 | 16131 | 2112 | LF | RGS 3/4" Conduit With Coupling, Mounted Exposed On Flat Wall | | | | | | \$33.44 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 10.00 | 3.04 | 1.1001 | = | \$33.44 | |

Proposal Review - CSI Detail (Continued)

Job Order Number: 08377

Job Order Name: Judicial Center IT Server Room - HVAC

Review: Judicial Center IT HVAC - 3/23/2009 2:00:58PM

| | | | | | | | | | | | |
|-----|-------|------|------|----|--|----------|------------|--------|---|---------|---------|
| 99 | 16131 | 2153 | | EA | RGS 1" Plastic Bushing Set With Locknuts, Mounted Exposed On Flat Wall | | | | | | \$16.17 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 2.00 | 7.35 | 1.1001 | = | \$16.17 | |
| 100 | 16131 | 2153 | 2821 | EA | For Work In Restricted Working Space, Add | | | | | | \$4.49 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 2.00 | 2.04 | 1.1001 | = | \$4.49 | |
| 101 | 16131 | 2154 | | EA | RGS 1-1/4" Plastic Bushing Set With Locknuts, Mounted Exposed On Flat Wall | | | | | | \$19.80 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 2.00 | 9.00 | 1.1001 | = | \$19.80 | |
| 102 | 16131 | 2154 | 2821 | EA | For Work In Restricted Working Space, Add | | | | | | \$5.46 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 2.00 | 2.48 | 1.1001 | = | \$5.46 | |
| 103 | 16131 | 2155 | | EA | RGS 1-1/2" Plastic Bushing Set With Locknuts, Mounted Exposed On Flat Wall | | | | | | \$66.47 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 6.00 | 10.07 | 1.1001 | = | \$66.47 | |
| 104 | 16131 | 2155 | 2821 | EA | For Work In Restricted Working Space, Add | | | | | | \$17.76 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 6.00 | 2.69 | 1.1001 | = | \$17.76 | |
| 105 | 16131 | 2155 | 2822 | EA | For Installation Above 14' (4.3 m), Add | | | | | | \$8.84 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 6.00 | 1.34 | 1.1001 | = | \$8.84 | |
| 106 | 16131 | 2157 | | EA | RGS 2-1/2" Plastic Bushing Set With Locknuts, Mounted Exposed On Flat Wall | | | | | | \$97.86 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 4.00 | 22.24 | 1.1001 | = | \$97.86 | |
| 107 | 16131 | 2157 | 2821 | EA | For Work In Restricted Working Space, Add | | | | | | \$23.67 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 4.00 | 5.38 | 1.1001 | = | \$23.67 | |
| 108 | 16131 | 2157 | 2822 | EA | For Installation Above 14' (4.3 m), Add | | | | | | \$11.84 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 4.00 | 2.69 | 1.1001 | = | \$11.84 | |
| 109 | 16131 | 2191 | | EA | RGS 1/2" Steel Insulated Grounding Bushing Set With Locknuts, Mounted Exposed On Flat Wall | | | | | | \$60.33 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 6.00 | 9.14 | 1.1001 | = | \$60.33 | |
| 110 | 16131 | 2193 | | EA | RGS 1" Steel Insulated Grounding Bushing Set With Locknuts, Mounted Exposed On Flat Wall | | | | | | \$27.26 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 2.00 | 12.39 | 1.1001 | = | \$27.26 | |
| 111 | 16131 | 2193 | | EA | RGS 1" Steel Insulated Grounding Bushing Set With Locknuts, Mounted Exposed On Flat Wall | | | | | | \$27.26 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 2.00 | 12.39 | 1.1001 | = | \$27.26 | |
| 112 | 16131 | 2193 | 2821 | EA | For Work In Restricted Working Space, Add | | | | | | \$8.88 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 3.00 | 2.69 | 1.1001 | = | \$8.88 | |
| 113 | 16131 | 2193 | 2822 | EA | For Installation Above 14' (4.3 m), Add | | | | | | \$4.42 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 3.00 | 1.34 | 1.1001 | = | \$4.42 | |
| 114 | 16131 | 2194 | | EA | RGS 1-1/4" Steel Insulated Grounding Bushing Set With Locknuts, Mounted Exposed On Flat Wall | | | | | | \$34.21 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 2.00 | 15.55 | 1.1001 | = | \$34.21 | |

Proposal Review - CSI Detail (Continued)

Job Order Number: 08377

Job Order Name: Judicial Center IT Server Room - HVAC

Review: Judicial Center IT HVAC - 3/23/2009 2:00:58PM

| | | | | | | | | | | | | |
|-----|-------|------|------|----|--|----------|------------|--------|--------|-------|--|------------|
| 115 | 16131 | 2194 | 2821 | EA | For Work In Restricted Working Space, Add | | | | | | | \$7.35 |
| | | | | | Installation | Quantity | Unit Price | Factor | = | Total | | \$7.35 |
| | | | | | | 2.00 | 3.34 | x | 1.1001 | | | |
| 116 | 16131 | 2195 | | EA | RGS 1-1/2" Steel Insulated Grounding Bushing Set With Locknuts, Mounted Exposed On Flat Wall | | | | | | | \$123.04 |
| | | | | | Installation | Quantity | Unit Price | Factor | = | Total | | \$123.04 |
| | | | | | | 6.00 | 18.64 | x | 1.1001 | | | |
| 117 | 16131 | 2195 | 2821 | EA | For Work In Restricted Working Space, Add | | | | | | | \$27.00 |
| | | | | | Installation | Quantity | Unit Price | Factor | = | Total | | \$27.00 |
| | | | | | | 6.00 | 4.09 | x | 1.1001 | | | |
| 118 | 16131 | 2611 | | LF | 1/2" EMT Conduit, Mounted Exposed On Flat Wall | | | | | | | \$1,268.64 |
| | | | | | Installation | Quantity | Unit Price | Factor | = | Total | | \$1,268.64 |
| | | | | | | 620.00 | 1.86 | x | 1.1001 | | | |
| 119 | 16131 | 2611 | 2649 | LF | For Installation In Concrete, Add | | | | | | | \$163.69 |
| | | | | | Installation | Quantity | Unit Price | Factor | = | Total | | \$163.69 |
| | | | | | | 620.00 | 0.24 | x | 1.1001 | | | |
| 120 | 16131 | 2611 | 2821 | LF | For Work In Restricted Working Space, Add | | | | | | | \$334.21 |
| | | | | | Installation | Quantity | Unit Price | Factor | = | Total | | \$334.21 |
| | | | | | | 620.00 | 0.49 | x | 1.1001 | | | |
| 121 | 16131 | 2611 | 2822 | LF | For Installation Above 14' (4.3 m), Add | | | | | | | \$163.69 |
| | | | | | Installation | Quantity | Unit Price | Factor | = | Total | | \$163.69 |
| | | | | | | 620.00 | 0.24 | x | 1.1001 | | | |
| 122 | 16131 | 2612 | | LF | 3/4" EMT Conduit, Mounted Exposed On Flat Wall | | | | | | | \$439.60 |
| | | | | | Installation | Quantity | Unit Price | Factor | = | Total | | \$439.60 |
| | | | | | | 180.00 | 2.22 | x | 1.1001 | | | |
| 123 | 16131 | 2612 | 2649 | LF | For Installation In Concrete, Add | | | | | | | \$53.46 |
| | | | | | Installation | Quantity | Unit Price | Factor | = | Total | | \$53.46 |
| | | | | | | 180.00 | 0.27 | x | 1.1001 | | | |
| 124 | 16131 | 2612 | 2821 | LF | For Work In Restricted Working Space, Add | | | | | | | \$106.93 |
| | | | | | Installation | Quantity | Unit Price | Factor | = | Total | | \$106.93 |
| | | | | | | 180.00 | 0.54 | x | 1.1001 | | | |
| 125 | 16131 | 2612 | 2822 | LF | For Installation Above 14' (4.3 m), Add | | | | | | | \$53.46 |
| | | | | | Installation | Quantity | Unit Price | Factor | = | Total | | \$53.46 |
| | | | | | | 180.00 | 0.27 | x | 1.1001 | | | |
| 126 | 16131 | 2613 | | LF | 1" EMT Conduit, Mounted Exposed On Flat Wall | | | | | | | \$59.85 |
| | | | | | Installation | Quantity | Unit Price | Factor | = | Total | | \$59.85 |
| | | | | | | 20.00 | 2.72 | x | 1.1001 | | | |
| 127 | 16131 | 2613 | 2649 | LF | For Installation In Concrete, Add | | | | | | | \$6.60 |
| | | | | | Installation | Quantity | Unit Price | Factor | = | Total | | \$6.60 |
| | | | | | | 20.00 | 0.30 | x | 1.1001 | | | |
| 128 | 16131 | 2613 | 2821 | LF | For Work In Restricted Working Space, Add | | | | | | | \$12.98 |
| | | | | | Installation | Quantity | Unit Price | Factor | = | Total | | \$12.98 |
| | | | | | | 20.00 | 0.59 | x | 1.1001 | | | |
| 129 | 16131 | 2613 | 2822 | LF | For Installation Above 14' (4.3 m), Add | | | | | | | \$6.60 |
| | | | | | Installation | Quantity | Unit Price | Factor | = | Total | | \$6.60 |
| | | | | | | 20.00 | 0.30 | x | 1.1001 | | | |
| 130 | 16131 | 2614 | | LF | 1-1/4" EMT Conduit, Mounted Exposed On Flat Wall | | | | | | | \$360.83 |
| | | | | | Installation | Quantity | Unit Price | Factor | = | Total | | \$360.83 |
| | | | | | | 100.00 | 3.28 | x | 1.1001 | | | |

Proposal Review - CSI Detail (Continued)

Job Order Number: 08377

Job Order Name: Judicial Center IT Server Room - HVAC

Review: Judicial Center IT HVAC - 3/23/2009 2:00:58PM

| | | | | | | | | | | |
|-----|-------|------|------|---|---|------------|--------|---|----------|----------|
| 131 | 16131 | 2615 | LF | 1-1/2" EMT Conduit, Mounted Exposed On Flat Wall | | | | | | \$335.31 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 80.00 | 3.81 | 1.1001 | = | \$335.31 | |
| 132 | 16131 | 2617 | LF | 2-1/2" EMT Conduit, Mounted Exposed On Flat Wall | | | | | | \$576.23 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 90.00 | 5.82 | 1.1001 | = | \$576.23 | |
| 133 | 16131 | 2633 | EA | 1" EMT 90 Degree Elbow, Mounted Exposed On Flat Wall | | | | | | \$7.18 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 1.00 | 6.53 | 1.1001 | = | \$7.18 | |
| 134 | 16131 | 2651 | EA | 1/2" EMT Set Screw Coupling, Mounted Exposed On Flat Wall | | | | | | \$403.36 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 189.00 | 1.94 | 1.1001 | = | \$403.36 | |
| 135 | 16131 | 2651 | 2821 | EA | For Work In Restricted Working Space, Add | | | | | \$11.88 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 20.00 | 0.54 | 1.1001 | = | \$11.88 | |
| 136 | 16131 | 2651 | 2822 | EA | For Installation Above 14' (4.3 m), Add | | | | | \$5.94 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 20.00 | 0.27 | 1.1001 | = | \$5.94 | |
| 137 | 16131 | 2652 | EA | 3/4" EMT Set Screw Coupling, Mounted Exposed On Flat Wall | | | | | | \$42.07 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 16.00 | 2.39 | 1.1001 | = | \$42.07 | |
| 138 | 16131 | 2652 | 2821 | EA | For Work In Restricted Working Space, Add | | | | | \$228.82 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 320.00 | 0.65 | 1.1001 | = | \$228.82 | |
| 139 | 16131 | 2652 | 2822 | EA | For Installation Above 14' (4.3 m), Add | | | | | \$112.65 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 320.00 | 0.32 | 1.1001 | = | \$112.65 | |
| 140 | 16131 | 2653 | EA | 1" EMT Set Screw Coupling, Mounted Exposed On Flat Wall | | | | | | \$9.60 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 3.00 | 2.91 | 1.1001 | = | \$9.60 | |
| 141 | 16131 | 2653 | 2821 | EA | For Work In Restricted Working Space, Add | | | | | \$2.48 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 3.00 | 0.75 | 1.1001 | = | \$2.48 | |
| 142 | 16131 | 2653 | 2822 | EA | For Installation Above 14' (4.3 m), Add | | | | | \$1.25 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 3.00 | 0.38 | 1.1001 | = | \$1.25 | |
| 143 | 16131 | 2654 | EA | 1-1/4" EMT Set Screw Coupling, Mounted Exposed On Flat Wall | | | | | | \$60.84 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 14.00 | 3.95 | 1.1001 | = | \$60.84 | |
| 144 | 16131 | 2654 | 2821 | EA | For Work In Restricted Working Space, Add | | | | | \$14.94 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 14.00 | 0.97 | 1.1001 | = | \$14.94 | |
| 145 | 16131 | 2654 | 2822 | EA | For Installation Above 14' (4.3 m), Add | | | | | \$7.55 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 14.00 | 0.49 | 1.1001 | = | \$7.55 | |
| 146 | 16131 | 2655 | EA | 1-1/2" EMT Set Screw Coupling, Mounted Exposed On Flat Wall | | | | | | \$98.61 |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | 18.00 | 4.98 | 1.1001 | = | \$98.61 | |

Proposal Review - CSI Detail (Continued)

Job Order Number: 08377

Job Order Name: Judicial Center IT Server Room - HVAC

Review: Judicial Center IT HVAC - 3/23/2009 2:00:58PM

| Item # | Code | Description | Quantity | Unit Price | Factor | Total |
|--------|-----------------|--|----------|------------|----------|----------|
| 147 | 16131 2655 2821 | EA For Work In Restricted Working Space, Add | | | | \$23.56 |
| | | Installation | 18.00 x | 1.19 x | 1.1001 = | \$23.56 |
| 148 | 16131 2655 2822 | EA For Installation Above 14' (4.3 m), Add | | | | \$11.68 |
| | | Installation | 18.00 x | 0.59 x | 1.1001 = | \$11.68 |
| 149 | 16131 2657 | EA 2-1/2" EMT Set Screw Coupling, Mounted Exposed On Flat Wall | | | | \$244.93 |
| | | Installation | 22.00 x | 10.12 x | 1.1001 = | \$244.93 |
| 150 | 16131 2657 2821 | EA For Work In Restricted Working Space, Add | | | | \$52.03 |
| | | Installation | 22.00 x | 2.15 x | 1.1001 = | \$52.03 |
| 151 | 16131 2657 2822 | EA For Installation Above 14' (4.3 m), Add | | | | \$26.14 |
| | | Installation | 22.00 x | 1.08 x | 1.1001 = | \$26.14 |
| 152 | 16131 2691 | EA 1/2" EMT Box Connector With Set Screw | | | | \$114.28 |
| | | Installation | 53.00 x | 1.96 x | 1.1001 = | \$114.28 |
| 153 | 16131 2691 2821 | EA For Work In Restricted Working Space, Add | | | | \$31.48 |
| | | Installation | 53.00 x | 0.54 x | 1.1001 = | \$31.48 |
| 154 | 16131 2691 2822 | EA For Installation Above 14' (4.3 m), Add | | | | \$15.74 |
| | | Installation | 53.00 x | 0.27 x | 1.1001 = | \$15.74 |
| 155 | 16131 2692 | EA 3/4" EMT Box Connector With Set Screw | | | | \$37.27 |
| | | Installation | 14.00 x | 2.42 x | 1.1001 = | \$37.27 |
| 156 | 16131 2692 2821 | EA For Work In Restricted Working Space, Add | | | | \$10.01 |
| | | Installation | 14.00 x | 0.65 x | 1.1001 = | \$10.01 |
| 157 | 16131 2692 2822 | EA For Installation Above 14' (4.3 m), Add | | | | \$4.93 |
| | | Installation | 14.00 x | 0.32 x | 1.1001 = | \$4.93 |
| 158 | 16131 2693 | EA 1" EMT Box Connector With Set Screw | | | | \$6.38 |
| | | Installation | 2.00 x | 2.90 x | 1.1001 = | \$6.38 |
| 159 | 16131 2693 2821 | EA For Work In Restricted Working Space, Add | | | | \$1.65 |
| | | Installation | 2.00 x | 0.75 x | 1.1001 = | \$1.65 |
| 160 | 16131 2693 2822 | EA For Installation Above 14' (4.3 m), Add | | | | \$0.84 |
| | | Installation | 2.00 x | 0.38 x | 1.1001 = | \$0.84 |
| 161 | 16131 2694 | EA 1-1/4" EMT Box Connector With Set Screw | | | | \$9.33 |
| | | Installation | 2.00 x | 4.24 x | 1.1001 = | \$9.33 |
| 162 | 16131 2694 2821 | EA For Work In Restricted Working Space, Add | | | | \$2.38 |
| | | Installation | 2.00 x | 1.08 x | 1.1001 = | \$2.38 |

Proposal Review - CSI Detail (Continued)

Job Order Number: 08377

Job Order Name: Judicial Center IT Server Room - HVAC

Review: Judicial Center IT HVAC - 3/23/2009 2:00:58PM

| Item # | Material # | Quantity | Unit Price | Factor | Total |
|--------|-----------------|--------------|--|------------------|----------------|
| 163 | 16131 2694 2822 | EA | For Installation Above 14' (4.3 m), Add | | \$1.19 |
| | | Installation | Quantity: 2.00 x, Unit Price: 0.54 x | Factor: 1.1001 = | Total: \$1.19 |
| 164 | 16131 2695 | EA | 1-1/2" EMT Box Connector With Set Screw | | \$35.78 |
| | | Installation | Quantity: 6.00 x, Unit Price: 5.42 x | Factor: 1.1001 = | Total: \$35.78 |
| 165 | 16131 2695 2821 | EA | For Work In Restricted Working Space, Add | | \$8.51 |
| | | Installation | Quantity: 6.00 x, Unit Price: 1.29 x | Factor: 1.1001 = | Total: \$8.51 |
| 166 | 16131 2695 2822 | EA | For Installation Above 14' (4.3 m), Add | | \$4.29 |
| | | Installation | Quantity: 6.00 x, Unit Price: 0.65 x | Factor: 1.1001 = | Total: \$4.29 |
| 167 | 16131 2697 | EA | 2-1/2" EMT Box Connector With Set Screw | | \$47.08 |
| | | Installation | Quantity: 4.00 x, Unit Price: 10.70 x | Factor: 1.1001 = | Total: \$47.08 |
| 168 | 16131 2697 2821 | EA | For Work In Restricted Working Space, Add | | \$9.46 |
| | | Installation | Quantity: 4.00 x, Unit Price: 2.15 x | Factor: 1.1001 = | Total: \$9.46 |
| 169 | 16131 2697 2822 | EA | For Installation Above 14' (4.3 m), Add | | \$4.75 |
| | | Installation | Quantity: 4.00 x, Unit Price: 1.08 x | Factor: 1.1001 = | Total: \$4.75 |
| 170 | 16131 8214 | LF | 1" Flexible Metallic Conduit | | \$12.81 |
| | | Installation | Quantity: 6.00 x, Unit Price: 1.94 x | Factor: 1.1001 = | Total: \$12.81 |
| 171 | 16131 8214 8227 | LF | For Installation In Concrete, Add | | \$1.39 |
| | | Installation | Quantity: 6.00 x, Unit Price: 0.21 x | Factor: 1.1001 = | Total: \$1.39 |
| 172 | 16131 8214 9199 | LF | For Work In Restricted Working Space, Add | | \$2.71 |
| | | Installation | Quantity: 6.00 x, Unit Price: 0.41 x | Factor: 1.1001 = | Total: \$2.71 |
| 173 | 16131 8215 | LF | 1-1/4" Flexible Metallic Conduit | | \$14.46 |
| | | Installation | Quantity: 6.00 x, Unit Price: 2.19 x | Factor: 1.1001 = | Total: \$14.46 |
| 174 | 16131 8215 8227 | LF | For Installation In Concrete, Add | | \$1.45 |
| | | Installation | Quantity: 6.00 x, Unit Price: 0.22 x | Factor: 1.1001 = | Total: \$1.45 |
| 175 | 16131 8215 8229 | LF | For Installation In Wood Stud Wall, Includes Drilling, Add | | \$2.44 |
| | | Installation | Quantity: 6.00 x, Unit Price: 0.37 x | Factor: 1.1001 = | Total: \$2.44 |
| 176 | 16131 8216 | LF | 1-1/2" Flexible Metallic Conduit | | \$55.25 |
| | | Installation | Quantity: 18.00 x, Unit Price: 2.79 x | Factor: 1.1001 = | Total: \$55.25 |
| 177 | 16131 8216 8227 | LF | For Installation In Concrete, Add | | \$4.55 |
| | | Installation | Quantity: 18.00 x, Unit Price: 0.23 x | Factor: 1.1001 = | Total: \$4.55 |
| 178 | 16131 8216 9199 | LF | For Work In Restricted Working Space, Add | | \$8.91 |
| | | Installation | Quantity: 18.00 x, Unit Price: 0.45 x | Factor: 1.1001 = | Total: \$8.91 |

Proposal Review - CSI Detail (Continued)

Job Order Number: 08377

Job Order Name: Judicial Center IT Server Room - HVAC

Review: Judicial Center IT HVAC - 3/23/2009 2:00:58PM

| | | | | | | | | | | | |
|-----|-------|------|------|----|---|----------|------------|--------|---|----------|----------|
| 179 | 16131 | 8234 | | EA | 1" Flexible Straight Connectors, Plain | | | | | | \$5.50 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 1.00 | 5.00 | 1.1001 | = | \$5.50 | |
| 180 | 16131 | 8234 | 9199 | EA | For Work In Restricted Working Space, Add | | | | | | \$1.03 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 1.00 | 0.94 | 1.1001 | = | \$1.03 | |
| 181 | 16131 | 8235 | | EA | 1-1/4" Flexible Straight Connectors, Plain | | | | | | \$7.68 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 1.00 | 6.98 | 1.1001 | = | \$7.68 | |
| 182 | 16131 | 8235 | 9199 | EA | For Work In Restricted Working Space, Add | | | | | | \$1.30 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 1.00 | 1.18 | 1.1001 | = | \$1.30 | |
| 183 | 16131 | 8236 | | EA | 1-1/2" Flexible Straight Connectors, Plain | | | | | | \$30.13 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 3.00 | 9.13 | 1.1001 | = | \$30.13 | |
| 184 | 16131 | 8236 | 9199 | EA | For Work In Restricted Working Space, Add | | | | | | \$4.85 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 3.00 | 1.47 | 1.1001 | = | \$4.85 | |
| 185 | 16131 | 8275 | | EA | 1-1/4" Flexible 90 Degree Connector, Plain | | | | | | \$48.80 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 4.00 | 11.09 | 1.1001 | = | \$48.80 | |
| 186 | 16131 | 8275 | 9199 | EA | For Work In Restricted Working Space, Add | | | | | | \$6.20 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 4.00 | 1.41 | 1.1001 | = | \$6.20 | |
| 187 | 16131 | 8278 | | EA | 2-1/2" Flexible 90 Degree Connector, Plain | | | | | | \$288.84 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 6.00 | 43.76 | 1.1001 | = | \$288.84 | |
| 188 | 16131 | 8278 | 9199 | EA | For Work In Restricted Working Space, Add | | | | | | \$15.51 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 6.00 | 2.35 | 1.1001 | = | \$15.51 | |
| 189 | 16131 | 8412 | | LF | 1/2" Non-Metallic Liquid Tight Flex Conduit | | | | | | \$15.51 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 6.00 | 2.35 | 1.1001 | = | \$15.51 | |
| 190 | 16131 | 8412 | 9199 | LF | For Work In Restricted Working Space, Add | | | | | | \$2.11 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 6.00 | 0.32 | 1.1001 | = | \$2.11 | |
| 191 | 16131 | 8413 | | LF | 3/4" Non-Metallic Liquid Tight Flex Conduit | | | | | | \$42.11 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 12.00 | 3.19 | 1.1001 | = | \$42.11 | |
| 192 | 16131 | 8413 | 9199 | LF | For Work In Restricted Working Space, Add | | | | | | \$5.68 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 12.00 | 0.43 | 1.1001 | = | \$5.68 | |
| 193 | 16131 | 8433 | | EA | 3/4" Non-Metallic Straight Connector | | | | | | \$21.14 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 2.00 | 9.61 | 1.1001 | = | \$21.14 | |
| 194 | 16131 | 8433 | 9199 | EA | For Work In Restricted Working Space, Add | | | | | | \$2.13 |
| | | | | | Installation | Quantity | Unit Price | Factor | | Total | |
| | | | | | | 2.00 | 0.97 | 1.1001 | = | \$2.13 | |

Proposal Review - CSI Detail (Continued)

Job Order Number: 08377

Job Order Name: Judicial Center IT Server Room - HVAC

Review: Judicial Center IT HVAC - 3/23/2009 2:00:58PM

| | | | | | | | | | | | | |
|-----|-------|------|------|--|---|------------|--------|---|------------|------------|--|--|
| 195 | 16134 | 1101 | EA | 4" Square Steel Box X 1-1/2" Deep | | | | | | \$763.11 | | |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | | | |
| | | | | | 71.00 | 9.77 | 1.1001 | = | \$763.11 | | | |
| 196 | 16134 | 1104 | EA | 4" Square Steel Blank Cover | | | | | | \$80.40 | | |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | | | |
| | | | | | 21.00 | 3.48 | 1.1001 | = | \$80.40 | | | |
| 197 | 16134 | 4301 | EA | 3/4", 4" Square Cut Tile Ring, 1 Gang, Flush Mount | | | | | | \$33.94 | | |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | | | |
| | | | | | 5.00 | 6.17 | 1.1001 | = | \$33.94 | | | |
| 198 | 16134 | 6417 | EA | 4-11/16" 30 A Twist Lock Receptacle 1-3/4" Depth Cover | | | | | | \$354.97 | | |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | | | |
| | | | | | 41.00 | 7.87 | 1.1001 | = | \$354.97 | | | |
| 199 | 16140 | 1129 | EA | 20 A, Single Receptacle, 120/277 V | | | | | | \$402.72 | | |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | | | |
| | | | | | 22.00 | 16.64 | 1.1001 | = | \$402.72 | | | |
| 200 | 16140 | 1131 | EA | 20 A, Duplex Receptacle, 120/277 V | | | | | | \$35.18 | | |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | | | |
| | | | | | 2.00 | 15.99 | 1.1001 | = | \$35.18 | | | |
| 201 | 16140 | 1221 | EA | 50 A, NEMA 14-50, Single Receptacle, 125/250 V, 1 Phase | | | | | | \$986.33 | | |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | | | |
| | | | | | 18.00 | 49.81 | 1.1001 | = | \$986.33 | | | |
| 202 | 16155 | 2225 | EA | Local-Remote Select Switch, 2 Position, Factory Modifications - NEMA 1 Magnetic Motor Starter, Reversing, 208-600V | | | | | | \$156.92 | | |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | | | |
| | | | | | 1.00 | 142.64 | 1.1001 | = | \$156.92 | | | |
| | | | | f/a remote test switch | | | | | | | | |
| 203 | 16170 | 1131 | EA | 30 A, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 V, 3 Phase | | | | | | \$285.73 | | |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | | | |
| | | | | | 1.00 | 259.73 | 1.1001 | = | \$285.73 | | | |
| 204 | 16170 | 1143 | EA | 100 A, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 V, 3 Phase | | | | | | \$766.33 | | |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | | | |
| | | | | | 1.00 | 696.60 | 1.1001 | = | \$766.33 | | | |
| 205 | 16170 | 2236 | EA | 600 A Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 V, 3 Phase | | | | | | \$4,194.22 | | |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | | | |
| | | | | | 1.00 | 3,812.58 | 1.1001 | = | \$4,194.22 | | | |
| 206 | 16190 | 1612 | EA | Beam Flange Clamp 6-TA-5-8, 5/16" - 1/2" | | | | | | \$135.86 | | |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | | | |
| | | | | | 130.00 | 0.95 | 1.1001 | = | \$135.86 | | | |
| 207 | 16190 | 1612 | 2622 | EA | For Quantities > 100 To 250, Deduct | | | | | -\$10.01 | | |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | | | |
| | | | | | 130.00 | -0.07 | 1.1001 | = | -\$10.01 | | | |
| 208 | 16190 | 2211 | EA | EMT Conduit Clamps, P1426, 1/2" | | | | | | \$190.71 | | |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | | | |
| | | | | | 88.00 | 1.97 | 1.1001 | = | \$190.71 | | | |
| 209 | 16190 | 2211 | 5601 | EA | For Work In Restricted Working Space, Add | | | | | \$42.60 | | |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | | | |
| | | | | | 88.00 | 0.44 | 1.1001 | = | \$42.60 | | | |
| 210 | 16190 | 2212 | EA | EMT Conduit Clamps, P1427, 3/4" | | | | | | \$48.51 | | |
| | | | | Installation | Quantity | Unit Price | Factor | | Total | | | |
| | | | | | 21.00 | 2.10 | 1.1001 | = | \$48.51 | | | |

Proposal Review - CSI Detail (Continued)

Job Order Number: 08377

Job Order Name: Judicial Center IT Server Room - HVAC

Review: Judicial Center IT HVAC - 3/23/2009 2:00:58PM

| Item ID | Quantity | Unit Price | Factor | Total |
|------------------------|--|------------|----------|-------------|
| 211 16190 2212 5601 EA | For Work In Restricted Working Space, Add | | | |
| | 21.00 | 0.47 | 1.1001 = | \$10.86 |
| 212 16190 2214 EA | EMT Conduit Clamps, P1429, 1-1/4" | | | |
| | 13.00 | 2.50 | 1.1001 = | \$35.75 |
| 213 16190 2214 5601 EA | For Work In Restricted Working Space, Add | | | |
| | 13.00 | 0.55 | 1.1001 = | \$7.87 |
| 214 16190 2215 EA | EMT Conduit Clamps, P1430, 1-1/2" | | | |
| | 11.00 | 3.03 | 1.1001 = | \$36.67 |
| 215 16190 2215 5601 EA | For Work In Restricted Working Space, Add | | | |
| | 11.00 | 0.66 | 1.1001 = | \$7.99 |
| 216 16190 2216 EA | EMT Conduit Clamps, P1431, 2" | | | |
| | 12.00 | 3.07 | 1.1001 = | \$40.53 |
| 217 16190 2216 5601 EA | For Work In Restricted Working Space, Add | | | |
| | 12.00 | 0.66 | 1.1001 = | \$8.71 |
| 218 16190 2403 EA | 16" Stud Spacing, 2-1/8" Box Depth, Screw Gun Bracket "Caddy" | | | |
| | 2.00 | 1.30 | 1.1001 = | \$2.86 |
| 219 16190 2403 5601 EA | For Work In Restricted Working Space, Add | | | |
| | 2.00 | 0.03 | 1.1001 = | \$0.07 |
| 220 16190 2734 C | 14-1/2" Nylon Cable Ties, 50# Tensile Strength | | | |
| | 200.00 | 12.00 | 1.1001 = | \$2,640.24 |
| 221 16190 3103 EA | 1/4" x 4" Toggle Bolt, Including Drilling In Concrete, CMU, Wood Or Steel | | | |
| | 164.00 | 1.10 | 1.1001 = | \$198.46 |
| 222 16190 3103 4912 EA | For Quantities > 100 To 250, Deduct | | | |
| | 164.00 | -0.15 | 1.1001 = | \$-27.06 |
| 223 16190 5111 LF | 3/8" Diameter Continuous Threaded Rod, Plain Steel, Bright Finish | | | |
| | 260.00 | 1.49 | 1.1001 = | \$426.18 |
| 224 16190 5131 EA | 3/8" Washer, Flat | | | |
| | 440.00 | 0.24 | 1.1001 = | \$116.17 |
| 225 16190 5151 EA | 3/8" Nut, Hex | | | |
| | 320.00 | 0.26 | 1.1001 = | \$91.53 |
| 226 16252 2137 EA | 75 KVA, Uninterrupted Power Supply, 480 V Input, 3 Phase, 60 Hz, 277/480 V Output, With Static Transformer Switch, Mechanical Bypass Switch And Meters | | | |
| | 0.35 | 59,109.74 | 1.1001 = | \$22,759.32 |
| | used for relocation of existng 80kw UPS only | | | |

Proposal Review - CSI Detail (Continued)

Job Order Number: 08377

Job Order Name: Judicial Center IT Server Room - HVAC

Review: Judicial Center IT HVAC - 3/23/2009 2:00:58PM

| | | | | | | | | | | |
|-----|-------|------|------|--|--|------------|--------|---|------------------------|---------------------|
| 227 | 16470 | 7151 | EA | 70-225 A 3 Pole Molded Case Circuit Breaker Conventional | | | | | | \$1,421.65 |
| | | | | | Quantity | Unit Price | Factor | = | Total | |
| | | | | Installation | 1.00 x | 1,292.29 x | 1.1001 | = | \$1,421.65 | |
| 228 | 16471 | 3111 | EA | 100 A - 12 Circuit Capacity, 120/240 V, 3 Wire, 1 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled | | | | | | \$921.84 |
| | | | | | Quantity | Unit Price | Factor | = | Total | |
| | | | | Installation | 2.00 x | 418.98 x | 1.1001 | = | \$921.84 | |
| 229 | 16471 | 3111 | 3491 | EA | For Hinged Door-In-Door With Yale 5116 With Rosette, Add | | | | | \$721.67 |
| | | | | | Quantity | Unit Price | Factor | = | Total | |
| | | | | Installation | 2.00 x | 328.00 x | 1.1001 | = | \$721.67 | |
| 230 | 16510 | 1424 | EA | 48" Lamp Length Striplight Fluorescent Fixture, 2 32WT8 Lamp Note: With electronic ballast. | | | | | | \$102.99 |
| | | | | | Quantity | Unit Price | Factor | = | Total | |
| | | | | Installation | 1.00 x | 93.62 x | 1.1001 | = | \$102.99 | |
| | | | | | | | | | Subtotal for 16 | \$137,415.13 |

Proposal Review Total

\$309,214.10

This job order proposal total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding of the line totals and sub-totals.

| | | |
|---------------------------|---|--|
| DATE August 13, 2009 | GC 06 - SBE Estimate | |
| Job# 08377 Loc# 603 | Judicial Center Judicial Center IT Server Room - HVAC | |
| SUBMITTED BY | M.A.C. Construction, Inc. 9500 N.W. 12 Street Miami, FL 33172 | Contract: R-2007-0949 Awarded: 06/19/2008 |

Proposal Value: \$ 309,214.10

| Contractor/Sub-Contractor | Trade | SBE Status | SBE \$ | % of Job |
|---------------------------|-------|--------------|------------|------------|
| Andrea Construction | | SBE-Non MWBE | 35,680.00 | 35,680.00 |
| Kerney & Associates, Inc. | | SBE-Non MWBE | 116,101.00 | 116,101.00 |
| Knight Electric Co. Inc. | | SBE-Non MWBE | 45,260.00 | 45,260.00 |

Total estimate SBE participation 3 63.72%



5

Budget Availability Statement

REQUEST DATE: September 16, 2009

REQUESTED BY: Allen Padilla

PHONE#: (561) 233-2053

PROJECT TITLE: Judicial Center IT Server Room - HVAC

Project No: 08377

LOCATION #: 603

LOCATION DESCRIPTION: Judicial Center

ORIGINAL CONTRACT/ANNUAL AMOUNT:

BCC RESOLUTION # / DATE:

R-2007-0949 dated 06/19/2008

CSA/LOA/CHANGE ORDER AMOUNT:

CSA/LOA/CHANGE ORDER NUMBER: Work Order #: 09-081

CONTRACTOR/CONSULTANT NAME: M.A.C. Construction, Inc.

PROVIDE A BRIEF STATEMENT OF THE SCOPE OF SERVICES TO BE PROVIDED BY THE CONSULTANT/CONTRACTOR:

Provide a new HVAC system, raised floor and associated electrical work for the existing fourth floor IT Server Room.

WILL THIS AMENDMENT CHANGE THE ESTIMATED COST OF THE PROJECT?

Yes

IF YES, PROVIDE ESTIMATES OF THE NEW COSTS:

| | | |
|--------------------|---------------------|------------------------------------|
| CONSTRUCTION | 309,214.10 | |
| ARCHITECT/ENGINEER | 4,638.21 | 1.5% WORK ORDER AMOUNT FOR TGG FEE |
| *STAFF COSTS | 7,076.28 | |
| EQUIPMENT/OTHER | 0.00 | |
| CONTINGENCY | 30,921.41 | |
| TOTAL: | \$351,850.00 | |

* By signing this BAS your department agrees to these staff costs and your account will be charged upon receipt of this BAS by FD&O. Unless there is a change in the scope of work, no additional staff charges will be billed.

BUDGET ACCOUNT NUMBERS (IDENTIFY ALL SOURCES): FUNDING SOURCE (CHECK ALL THAT APPLY)

~~3804-411-B513-01-4907~~

3804-411-B513-01-4907

- FEDERAL/DAVIS BACON
- AD VALOREM
- OTHER

ANTICIPATED DATE OF APPROVAL: ASAP

BAS APPROVED BY: _____



DATE: _____

9-16-09

ENCUMBRANCE NUMBER: _____

ATTACHMENT # 4

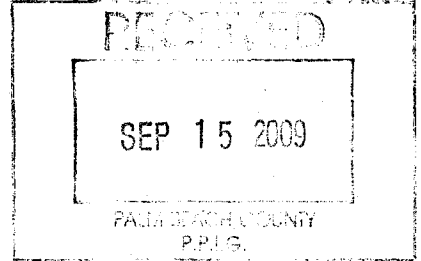
BUDGET AVAILABILITY STATEMENT

REQUEST DATE: 09/15/09

REQUESTED BY: ALLEN PADILLA

PHONE: 233-2053

PROJECT TITLE: Judicial Ctr Clerks IT Room HVAC
PROJECT NO.: 08377



LOCATION: 205 N. Dixie Hwy. West Palm Beach, FL

LOCATION DESCRIPTION: Courthouse at Judicial Center

BUILDING NUMBER: 603

CONTRACTOR/CONSULTANT NAME: MAC Construction

PROVIDE A BRIEF STATEMENT OF THE SCOPE OF SERVICES TO BE PROVIDED BY THE CONSULTANT/CONTRACTOR: Install new HVAC system, raised floor, relocate UPS units, install new UPS distribution panels, modify lighting, modify ceiling grid and tiles, install new cable trays, and associated work required for the above modifications per Gartek's plans.

WILL THIS AMENDMENT CHANGE THE ESTIMATED COST OF THE PROJECT?

IF YES, PROVIDE ESTIMATES OF THE NEW COSTS:

| | | |
|-----------------------|------------------|------------------------------------|
| CONSTRUCTION | 310,000.00 | |
| ARCHITECTURE/ENGINEER | 4,650.00 | 1.5% WORK ORDER AMOUNT FOR TGG FEE |
| STAFF COSTS* | 6,200.00 | |
| EQUIPMENT/OTHER | 0.00 | |
| CONTINGENCY | <u>31,000.00</u> | |
| TOTAL | 351,850.00 | |

*By signing this BAS your department agrees to these staff costs and your account will be charged upon receipt of this BAS by FD&O. Unless there is a change in the scope of work, no additional staff charges will be billed.

BUDGET ACCOUNT NUMBERS (IDENTIFY ALL SOURCES) FUNDING SOURCE (CHECK ALL THAT APPLY)

FUND: AGENCY: ORG: OBJ: SUBOBJ:
FY10 3864-411-B513-01-4907

AD VALOREM OTHER FEDERAL/DAVIS BACON

SUPPLEMENTAL AGREEMENT TO BE APPROVED BY: Department Director (WO<\$50,000)

ANTICIPATED DATE OF APPROVAL: ASAP

BAS APPROVED BY: *Shannon Ramsey Chessman* DATE: *9/15/09*

ENCUMBRANCE NUMBER: *CLEK000*