

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
AGENDA ITEM SUMMARY

3H-2

Meeting Date: April 15, 2008

☒ Consent
☐ Ordinance

☐ Regular
☐ Public Hearing

Department: Facilities Development & Operations

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: JOC Work Order No. 08-067 with West Construction, Inc., (R2007-0948) in the amount of \$390,102.46 to provide replacement of the HVAC system at Fire Station 81 located at Palm Beach International Airport in West Palm Beach.

Summary: The work consists of the complete replacement of the existing HVAC system including the ductwork, insulating the underside of the roof deck, installing a new code compliant stove hood, replacing the acoustical ceiling (tile and grid), adding a separate HVAC system for the front command office, removal and replacement of the stucco ceilings in the two lobbies, providing a temporary kitchen during construction in one of the bays, and associated electrical, painting, etc. The SBE goals are 15%. The SBE participation in this work order is 100%. When the participation for this work order is added to West's total participation-to-date, the resulting values are 100%. The total construction duration is 180 days. This work will comply with all applicable local, state, and federal codes and regulations. (FD&O Admin) Countywide/District 2 (JM)

Background & Justification: An initial investigation of the Fire Station 81 facility identified elevated relative humidity levels. Additional investigation indicated that the HVAC system was at or beyond its expected life cycle; and was not equipped to control humidity levels or maintain positive pressurization of the building. BRPH Architects - Engineers, Inc., was hired to design the replacement HVAC system. This work order will implement the design of BRPH.

Attachments:

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

Recommended by:

Harry Wolf
Department Director

3/26/08
Date

Approved by:

B. J. ...
for County Administrator

4/10/08
Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Year	2008	2009	2010	2011	2012
Capital Expenditures	\$449,953.89	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	\$449,953.89	0	0	0	0
# Additional FTE Positions (Cumulative)	—	—	—	—	—

Is Item Included in Current Budget? Yes X No

Budget Account No: 4110-121-A035-6211

Reporting Category _____

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

Construction \$ 390,102.46
Architect 5,851.43
Staff Costs 15,000.00
Contingency 39,000.00
\$ 449,953.89

C. Departmental Fiscal Review:

[Signature] 3-31-08

III. REVIEW COMMENTS

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

cc *[Signature]* 4/4/08
OFMB *[Signature]* 4/3/08 CN 4/1/08

[Signature] 4/17/08
Contract Dev. and Control *[Signature]* 4/17/08

B. Legal Sufficiency:


[Signature] 4/9/08
Assistant County Attorney

This item complies with current
County policies.

C. Other Department Review:

Department Director

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

March 17, 2008	JOC Work Order Job Order Construction Services	
07695	F.S. #81 - HVAC Fire Station #81 Building #120, PBIA, WEST PALM BEACH	

Brief Description: Provide replacement of the HVAC system per the plans and specs by BRPH.

Contractor: West Construction, Inc.
318 South Dixie Highway
Suite4-5
Lake Worth, FL 33460
Contract: R-2007-0948 Dated June 19, 2007

AMOUNT: \$ 390,102.46

DISTRICT: 2

Funding: 4110-121-A035-6211

JOC Work Order #: 08-067

Project Duration: 180 Days (Liquidated damages will apply)

Approval Signatures

Pat D'Angelo, Project Coordinator	<i>Pat D'Angelo</i>	3/20/08	Date
Audrey Wolf, Director Facilities Development & Operations	<i>Audrey Wolf</i>	3/26/08	Date
Chair Contract Review Committee	(NOT REQUIRED FOR PROJECTS <\$100,000 OR >\$200,000)		
Approved as to form and legal sufficiency County Attorney			Date
Addie L. Greene, Chairperson Board of County Commissioners			Date

President West Construction, Inc.	<i>Martha A. Morgan</i>	3/19/08	Date
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COPY: Project File

Job Order Contract
Proposal Review - CSI Summary

Date March 20, 2008
Job Order Number: 07695
Job Order Name: F.S. #81 - HVAC
Review: Fire Station #81 HVAC Replacement - 3/12/2008 12:17:50PM

Section 01	Subtotal for 01	\$85,466.60
Section 02	Subtotal for 02	\$603.35
Section 07	Subtotal for 07	\$30,805.80
Section 08	Subtotal for 08	\$1,035.01
Section 09	Subtotal for 09	\$48,129.67
Section 11	Subtotal for 11	\$5,326.59
Section 13	Subtotal for 13	\$4,051.85
Section 15	Subtotal for 15	\$156,438.63
Section 16	Subtotal for 16	\$58,244.96
Proposal Review Total		\$390,102.46

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 March 20, 2008
 Job Order Number: 07695
 Job Order Name: F.S. #81 - HVAC
 Review: Fire Station #81 HVAC Replacement - 3/12/2008 12:17:50PM

Sect.	Item	Mod.	UOM	Description	Line Total			
Section 01								
1	01000	1005	LS	Specialty Insurance				\$15,000.00
				Quantity	Unit Price	Factor	Total	
			Installation	1.00 x	15,000.00 x	1.0000 =	\$15,000.00	
Special insurance required as per specs								
2	01204	1001	EA	Reimbursable Fees				\$8,300.00
				Quantity	Unit Price	Factor	Total	
			Installation	83.00 x	100.00 x	1.0000 =	\$8,300.00	
			Permit Fees					
3	01320	1113	EA	5" x 7" Color Print Photograph				\$225.62
				Quantity	Unit Price	Factor	Total	
			Installation	56.00 x	3.95 x	1.0200 =	\$225.62	
4	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.				\$2,167.50
				Quantity	Unit Price	Factor	Total	
			Installation	5.00 x	425.00 x	1.0200 =	\$2,167.50	
5	01510	2015	3094	EA	City Of West Palm Beach Franchise Fee, Add			\$76.50
				Quantity	Unit Price	Factor	Total	
			Installation	5.00 x	15.00 x	1.0200 =	\$76.50	
6	01540	3003	MO	Rolling Scaffolding 14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)				\$5,448.70
				Quantity	Unit Price	Factor	Total	
			Installation	18.00 x	296.77 x	1.0200 =	\$5,448.70	
7	01550	6001	CLF	Safety Tape For Area Isolation				\$70.58
				Quantity	Unit Price	Factor	Total	
			Installation	10.00 x	6.92 x	1.0200 =	\$70.58	
8	01560	5301	SF	Masonite For Floor Protection				\$2,195.55
				Quantity	Unit Price	Factor	Total	
			Installation	7,175.00 x	0.30 x	1.0200 =	\$2,195.55	
9	01560	5411	OPN	Remove Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day				\$296.82
				Quantity	Unit Price	Factor	Total	
			Installation	100.00 x	2.91 x	1.0200 =	\$296.82	
10	01560	7126	WK	Type I Traffic Control Barricade, 2' Wide x 3' High A-Frame, 1 2' Wide x 8" High Reflectorized Rail Each Side				\$321.67
				Quantity	Unit Price	Factor	Total	
			Installation	144.00 x	2.19 x	1.0200 =	\$321.67	
11	01591	3133	MO	1-1/2 Ton Flat Bed Truck, 4 x 2, With Full-Time Truck Driver Note: Includes hydraulic tiltbed.				\$25,520.73
				Quantity	Unit Price	Factor	Total	
			Installation	4.30 x	5,818.68 x	1.0200 =	\$25,520.73	
12	01591	4111	EA	250 Ton Move On/Off Cost, Mechanical Crane				\$4,999.94
				Quantity	Unit Price	Factor	Total	
			Installation	2.00 x	2,450.95 x	1.0200 =	\$4,999.94	
13	01660	3001	CY	Handling Material For Over 125' Per CY Of Material Per 125'. For Delivery, Demo Or Miscellaneous Moving Required By Owner				\$103.02
				Quantity	Unit Price	Factor	Total	
			Installation	100.00 x	1.01 x	1.0200 =	\$103.02	

Proposal Review - CSI Detail (Continued)

Job Order Number: 07695

Job Order Name: F.S. #81 - HVAC

Review: Fire Station #81 HVAC Replacement - 3/12/2008 12:17:50PM

14	01740	1111	CSF	Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent						\$14,732.17
				Installation	Quantity	Unit Price	Factor		Total	
					2,978.00	4.85	x	1.0200	=	\$14,732.17
15	01740	1112	CY	Collect Existing Debris And Load Into Truck Or Dumpster Note: Per CY of debris removed						\$2,927.40
				Installation	Quantity	Unit Price	Factor		Total	
					500.00	5.74	x	1.0200	=	\$2,927.40
16	01740	3111	CSF	Clean Existing Glass Surfaces						\$3,080.40
				Installation	Quantity	Unit Price	Factor		Total	
					400.00	7.55	x	1.0200	=	\$3,080.40
Subtotal for 01										\$85,466.60
Section 02										
17	02111	7305	EA	Fluorescent Tube Removal						\$93.35
				Installation	Quantity	Unit Price	Factor		Total	
					176.00	0.52	x	1.0200	=	\$93.35
18	02112	1602	SF	Demo Furred Plastered Ceiling						\$510.00
				Installation	Quantity	Unit Price	Factor		Total	
					1,000.00	0.50	x	1.0200	=	\$510.00
				Two outside areas						
Subtotal for 02										\$603.35
Section 07										
19	07131	5001	CSF	4 Mil Polyethylene Vapor Barrier						\$13,158.00
				Installation	Quantity	Unit Price	Factor		Total	
					1,500.00	8.60	x	1.0200	=	\$13,158.00
				this is to protect the walls when spraying foam insulation						
20	07131	5001	7601	CSF	For Joint Taping, Add					\$596.70
				Installation	Quantity	Unit Price	Factor		Total	
					300.00	1.95	x	1.0200	=	\$596.70
21	07213	1016	SF	3" (76mm) Mineral Fiberboard, R8.34 Rigid Insulation						\$243.78
				Installation	Quantity	Unit Price	Factor		Total	
					100.00	2.39	x	1.0200	=	\$243.78
22	07213	1016	1294	SF	For Mechanically Fastened To Steel, Add					\$27.54
				Installation	Quantity	Unit Price	Factor		Total	
					100.00	0.27	x	1.0200	=	\$27.54
23	07213	1016	1296	SF	For Setting In Hot Asphalt, Add					\$13.26
				Installation	Quantity	Unit Price	Factor		Total	
					100.00	0.13	x	1.0200	=	\$13.26
24	07215	1004	SF	2" Foam Spray, R15.4 Urethane Insulation						\$14,344.26
				Installation	Quantity	Unit Price	Factor		Total	
					7,175.00	1.96	x	1.0200	=	\$14,344.26
25	07501	1001	EA	Labor Crew Up-Charge For 1 SQ Or Less, Add To Line Item						\$1,305.55
				Installation	Quantity	Unit Price	Factor		Total	
					5.00	255.99	x	1.0200	=	\$1,305.55
26	07510	2001	LF	4" x 4" Cant Strip Foamglass						\$130.56
				Installation	Quantity	Unit Price	Factor		Total	
					100.00	1.28	x	1.0200	=	\$130.56
27	07680	1009	SF	3/4" Neoprene Reinforced						\$7.01
				Installation	Quantity	Unit Price	Factor		Total	
					1.00	6.87	x	1.0200	=	\$7.01

Proposal Review - CSI Detail (Continued)

Job Order Number: 07695

Job Order Name: F.S. #81 - HVAC

Review: Fire Station #81 HVAC Replacement - 3/12/2008 12:17:50PM

28	07840	3015	CLF	Fire Caulk And Seal, 1"x1" Joint						\$681.52
				Installation	Quantity	Unit Price	Factor		Total	
					1.00 x	668.16 x	1.0200 =		\$681.52	
29	07920	3015	CLF	Latex Caulk And Seal, 1"x1" Joint						\$297.62
				Installation	Quantity	Unit Price	Factor		Total	
					2.00 x	145.89 x	1.0200 =		\$297.62	
Subtotal for 07									\$30,805.80	
Section 08										
30	08305	2108	EA	36"x36" Access Doors With Lock, Fire Rated						\$1,035.01
				Installation	Quantity	Unit Price	Factor		Total	
					2.00 x	507.36 x	1.0200 =		\$1,035.01	
Subtotal for 08									\$1,035.01	
Section 09										
31	09110	4002	SF	3-5/8" Metal Stud Channel, 16" On Center, 16 Gauge, With Tracks And Runners						\$3,100.80
				Installation	Quantity	Unit Price	Factor		Total	
					1,000.00 x	3.04 x	1.0200 =		\$3,100.80	
32	09110	4002 4101	SF	For Wall Application Where Height > 8' To 12', Add (> 2.4 m To 3.6 m)						\$226.64
				Installation	Quantity	Unit Price	Factor		Total	
					505.00 x	0.44 x	1.0200 =		\$226.64	
33	09110	4002 4105	SF	For Soffit, Columns Or Beams Application, Add						\$390.70
				Installation	Quantity	Unit Price	Factor		Total	
					504.00 x	0.76 x	1.0200 =		\$390.70	
34	09110	4002 4106	SF	For Horizontal Application, Add						\$190.21
				Installation	Quantity	Unit Price	Factor		Total	
					504.00 x	0.37 x	1.0200 =		\$190.21	
35	09110	4002 4112	SF	For Quantities > 200 To 500, Add						\$178.50
				Installation	Quantity	Unit Price	Factor		Total	
					500.00 x	0.35 x	1.0200 =		\$178.50	
36	09205	2401	SF	3.4# Metal Lath On Ceiling (1.54 kg)						\$1,468.80
				Installation	Quantity	Unit Price	Factor		Total	
					1,000.00 x	1.44 x	1.0200 =		\$1,468.80	
37	09205	2401 1113	SF	For Wall Height > 8' To 12' (> 2.4 m To 3.6 m), Add						\$15.42
				Installation	Quantity	Unit Price	Factor		Total	
					504.00 x	0.03 x	1.0200 =		\$15.42	
38	09205	2401 2112	SF	For Quantities >100 To 500, Add						\$40.80
				Installation	Quantity	Unit Price	Factor		Total	
					500.00 x	0.08 x	1.0200 =		\$40.80	
39	09205	2401 7203	SF	For Galvanized Metal Lath, Add						\$82.25
				Installation	Quantity	Unit Price	Factor		Total	
					504.00 x	0.16 x	1.0200 =		\$82.25	
40	09220	1101	SF	Three Coat Troweled Stucco, Scratch/Brown/Finish Note: Excludes lath and felt. Interior or exterior, one side.						\$2,407.20
				Installation	Quantity	Unit Price	Factor		Total	
					1,000.00 x	2.36 x	1.0200 =		\$2,407.20	
41	09220	1101 1112	SF	For Smooth Float Finish, Add						\$357.00
				Installation	Quantity	Unit Price	Factor		Total	
					1,000.00 x	0.35 x	1.0200 =		\$357.00	

Proposal Review - CSI Detail (Continued)

Job Order Number: 07695

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42	09220	1101	1117	SF	For Quantities > 100 To 500, Add						\$428.40
					Installation	Quantity	Unit Price	Factor		Total	
						1,000.00	x 0.42	x 1.0200	=	\$428.40	
43	09250	1504		SF	5/8" Mold And Mildew Resistant Plus Fireguard Board (15.875 mm) Note: Mesh reinforced.						\$1,458.60
					Installation	Quantity	Unit Price	Factor		Total	
						1,000.00	x 1.43	x 1.0200	=	\$1,458.60	
44	09250	1504	5009	SF	For Horizontal Ceiling Applications > 8' (2.4 m) Height, Add						\$153.00
					Installation	Quantity	Unit Price	Factor		Total	
						1,000.00	x 0.15	x 1.0200	=	\$153.00	
45	09511	1103		SF	2' x 2' x 3/4" Fiberglass Acoustical Ceiling Panel						\$10,098.12
					Installation	Quantity	Unit Price	Factor		Total	
						7,174.00	x 1.26	x 1.0200	=	\$9,220.02	
					Demolition	Quantity	Unit Price	Factor		Total	
						7,174.00	x 0.12	x 1.0200	=	\$878.10	
46	09511	1103	1121	SF	For Premium Grade (Eclipse Or Cirus) Ceiling Tile, Add						\$1,829.37
					Installation	Quantity	Unit Price	Factor		Total	
						7,174.00	x 0.25	x 1.0200	=	\$1,829.37	
47	09511	1103	2403	SF	For Fire Rated Panels, Add						\$3,000.17
					Installation	Quantity	Unit Price	Factor		Total	
						7,174.00	x 0.41	x 1.0200	=	\$3,000.17	
48	09511	1103	2410	SF	For Individual Room Quantities < 495 (< 46 m2), Add Note: For Use With Projects > 5000 SF (> 464.5 m2)						\$658.57
					Installation	Quantity	Unit Price	Factor		Total	
						7,174.00	x 0.09	x 1.0200	=	\$658.57	
					Modifier for rooms greater than 5000 SF of the overall project						
49	09540	1002		SF	T Bar Ceilings Suspension System 2'x 2', Standard 15/16"						\$10,610.35
					Installation	Quantity	Unit Price	Factor		Total	
						7,174.00	x 1.33	x 1.0200	=	\$9,732.25	
					Demolition	Quantity	Unit Price	Factor		Total	
						7,174.00	x 0.12	x 1.0200	=	\$878.10	
50	09540	1002	1108	SF	For Individual Room Quantities < 495 (< 46 m2), Add Note: For Use With Projects > 5000 SF (> 464.5 m2)						\$951.27
					Installation	Quantity	Unit Price	Factor		Total	
						7,174.00	x 0.13	x 1.0200	=	\$951.27	
					Modifier for rooms greater than 5000 SF of the overall project						
51	09540	1002	1113	SF	For Splay Wire With Compression Struts, Add Note: Where Required						\$1,536.67
					Installation	Quantity	Unit Price	Factor		Total	
						7,174.00	x 0.21	x 1.0200	=	\$1,536.67	
					As per Specs 095123-4.3.3.b.2						
52	09545	1003		SF	High Impact Clips						\$8,049.23
					Installation	Quantity	Unit Price	Factor		Total	
						7,174.00	x 1.10	x 1.0200	=	\$8,049.23	
					As per Specs 095123-4.3.3.b.2						
53	09910	1603		SF	Paint Exterior Stucco Surfaces, Two Coats Paint, Brush Work						\$897.60
					Installation	Quantity	Unit Price	Factor		Total	
						1,000.00	x 0.88	x 1.0200	=	\$897.60	
Subtotal for 09										\$48,129.67	
Section 11											
54	11425	1104		EA	9'-6" Long x 60" Deep Dry Filter Exhaust Hood						\$5,326.59
					Installation	Quantity	Unit Price	Factor		Total	
						1.00	x 5,222.15	x 1.0200	=	\$5,326.59	
Subtotal for 11										\$5,326.59	

Proposal Review - CSI Detail (Continued)

Job Order Number: 07695

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Section 13									
55	13973	3003		EA	5.5 Gal Agent Cylinder With Valve				\$1,241.71
					Quantity	Unit Price	Factor	Total	
				Installation	1.00 x	1,217.36 x	1.0200 =	\$1,241.71	
56	13973	3014		EA	120VAC System Circuit Monitor/Gas Valve Reset Relay				\$657.82
					Quantity	Unit Price	Factor	Total	
				Installation	1.00 x	644.92 x	1.0200 =	\$657.82	
57	13973	3017		EA	Stainless Steel Nozzle				\$1,507.41
					Quantity	Unit Price	Factor	Total	
				Installation	5.00 x	295.57 x	1.0200 =	\$1,507.41	
58	13973	3018		EA	Remote Pull Station				\$124.94
					Quantity	Unit Price	Factor	Total	
				Installation	1.00 x	122.49 x	1.0200 =	\$124.94	
59	13973	3038		EA	1" Mechanical Gas Valve With Latching Arm				\$438.37
					Quantity	Unit Price	Factor	Total	
				Installation	1.00 x	429.77 x	1.0200 =	\$438.37	
60	13973	9021		EA	Disarm/Arm System				\$81.60
					Quantity	Unit Price	Factor	Total	
				Installation	2.00 x	40.00 x	1.0200 =	\$81.60	
Subtotal for 13									\$4,051.85
Section 15									
61	15063	1102		LF	3/8" Inside Diameter (9 mm) Copper Pipe/Tubing Type L				\$668.10
					Quantity	Unit Price	Factor	Total	
				Installation	250.00 x	2.62 x	1.0200 =	\$668.10	
62	15063	1102	1002	LF	For Type K Tubing Instead Of Type L, Add				\$50.49
					Quantity	Unit Price	Factor	Total	
				Installation	150.00 x	0.33 x	1.0200 =	\$50.49	
63	15063	1102	2006	LF	For Work In Restricted Working Space, Add				\$62.73
					Quantity	Unit Price	Factor	Total	
				Installation	150.00 x	0.41 x	1.0200 =	\$62.73	
64	15063	1104		LF	3/4" Inside Diameter (19 mm) Copper Pipe/Tubing Type L				\$994.50
					Quantity	Unit Price	Factor	Total	
				Installation	250.00 x	3.90 x	1.0200 =	\$994.50	
65	15063	1104	1002	LF	For Type K Tubing Instead Of Type L, Add				\$87.21
					Quantity	Unit Price	Factor	Total	
				Installation	150.00 x	0.57 x	1.0200 =	\$87.21	
66	15063	1104	2006	LF	For Work In Restricted Working Space, Add				\$68.85
					Quantity	Unit Price	Factor	Total	
				Installation	150.00 x	0.45 x	1.0200 =	\$68.85	
67	15184	1002		LF	3/4" Pipe, (7/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover				\$803.25
					Quantity	Unit Price	Factor	Total	
				Installation	250.00 x	3.15 x	1.0200 =	\$803.25	
68	15184	1002	1023	LF	For Work In Restricted Working Space, Add				\$113.22
					Quantity	Unit Price	Factor	Total	
				Installation	150.00 x	0.74 x	1.0200 =	\$113.22	
69	15184	1002		LF	3/4" Pipe, (7/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover				\$803.25
					Quantity	Unit Price	Factor	Total	
				Installation	250.00 x	3.15 x	1.0200 =	\$803.25	

Proposal Review - CSI Detail (Continued)

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70	15184	1002	1023	LF	For Work In Restricted Working Space, Add							\$113.22
					Installation	Quantity	Unit Price	Factor		Total		
						150.00	0.74	x	1.0200	=	\$113.22	
71	15190	1103		SF	2" Thick Fibrous Glass Blanket With Reinforced Foil, 3/4# Density							\$7,180.80
					Installation	Quantity	Unit Price	Factor		Total		
						4,000.00	1.76	x	1.0200	=	\$7,180.80	
72	15190	1103	6101	SF	For Work In Restricted Working Space, Add							\$1,346.40
					Installation	Quantity	Unit Price	Factor		Total		
						3,000.00	0.44	x	1.0200	=	\$1,346.40	
73	15190	1301		SF	1" Thick Fibrous Glass Blanket With Reinforced Foil, 1.5# Density							\$9,593.10
					Installation	Quantity	Unit Price	Factor		Total		
						4,500.00	2.09	x	1.0200	=	\$9,593.10	
74	15190	1301	6101	SF	For Work In Restricted Working Space, Add							\$1,938.00
					Installation	Quantity	Unit Price	Factor		Total		
						3,800.00	0.50	x	1.0200	=	\$1,938.00	
75	15661	2001		EA	1.5 Ton 13 SEER Air Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.							\$1,149.40
					Installation	Quantity	Unit Price	Factor		Total		
						1.00	1,126.86	x	1.0200	=	\$1,149.40	
76	15661	2001	2009	EA	For 14 SEER, Add							\$201.73
					Installation	Quantity	Unit Price	Factor		Total		
						1.00	197.77	x	1.0200	=	\$201.73	
77	15661	2001	2015	EA	For Semi-Hermatic Unit, Add							\$96.06
					Installation	Quantity	Unit Price	Factor		Total		
						1.00	94.18	x	1.0200	=	\$96.06	
78	15770	2005		EA	7-1/2 Ton Cooling Rooftop Packaged HVAC Unit, Electric Heat Approximately 1/2 Cooling Capacity							\$8,415.78
					Installation	Quantity	Unit Price	Factor		Total		
						1.00	8,250.76	x	1.0200	=	\$8,415.78	
79	15770	2005	2102	EA	For Unit Economizer, Add							\$995.48
					Installation	Quantity	Unit Price	Factor		Total		
						1.00	975.96	x	1.0200	=	\$995.48	
80	15770	2005	2104	EA	For Equipment Base Roof Curbs, Add							\$649.21
					Installation	Quantity	Unit Price	Factor		Total		
						1.00	636.48	x	1.0200	=	\$649.21	
81	15770	2007		EA	12-1/2 Ton Cooling Rooftop Packaged HVAC Unit, Electric Heat Approximately 1/2 Cooling Capacity							\$14,259.71
					Installation	Quantity	Unit Price	Factor		Total		
						1.00	13,980.11	x	1.0200	=	\$14,259.71	
82	15770	2007	2102	EA	For Unit Economizer, Add							\$1,682.47
					Installation	Quantity	Unit Price	Factor		Total		
						1.00	1,649.48	x	1.0200	=	\$1,682.47	
83	15770	2007	2104	EA	For Equipment Base Roof Curbs, Add							\$1,105.35
					Installation	Quantity	Unit Price	Factor		Total		
						1.00	1,083.68	x	1.0200	=	\$1,105.35	
84	15821	3124		EA	16" Diameter Wheel, 1/2 HP Upblast Exhaust Fan Note: Belt driven. 115/208-230/60/1. Includes birdscreen, heat baffle, grease baffle and disconnect switch.							\$2,283.33
					Installation	Quantity	Unit Price	Factor		Total		
						2.00	1,119.28	x	1.0200	=	\$2,283.33	

Proposal Review - CSI Detail (Continued)

Job Order Number: 07695

Job Order Name: F.S. #81 - HVAC

Review: Fire Station #81 HVAC Replacement - 3/12/2008 12:17:50PM

85	15821	3124	3154	EA	For Totally Enclosed Motor, Add						\$173.40
					Installation	Quantity	Unit Price	Factor		Total	
						2.00 x	85.00 x	1.0200 =		\$173.40	
86	15821	3124	3155	EA	For Grease Trap Kit, Add						\$155.88
					Installation	Quantity	Unit Price	Factor		Total	
						2.00 x	76.41 x	1.0200 =		\$155.88	
87	15821	3124	3156	EA	For Hinged Curb Kit, Add						\$171.07
					Installation	Quantity	Unit Price	Factor		Total	
						2.00 x	83.86 x	1.0200 =		\$171.07	
88	15828	3003		EA	30-1/2" To 37" Long, 18" High Adjustable Roof Curb						\$853.82
					Installation	Quantity	Unit Price	Factor		Total	
						2.00 x	418.54 x	1.0200 =		\$853.82	
89	15828	4018		EA	72" x 72" Roof Curb						\$2,695.92
					Installation	Quantity	Unit Price	Factor		Total	
						2.00 x	1,321.53 x	1.0200 =		\$2,695.92	
90	15834	1103		EA	800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan						\$1,487.75
					Installation	Quantity	Unit Price	Factor		Total	
						1.00 x	1,458.58 x	1.0200 =		\$1,487.75	
91	15834	1103	1421	EA	For Flat Filter Box And Throwaway Filters, Add						\$130.97
					Installation	Quantity	Unit Price	Factor		Total	
						1.00 x	128.40 x	1.0200 =		\$130.97	
92	15834	1103	1429	EA	For Electric Heating Coil, Add						\$544.82
					Installation	Quantity	Unit Price	Factor		Total	
						1.00 x	534.14 x	1.0200 =		\$544.82	
93	15834	1103	1436	EA	For Direct Expansion Cooling Coil, Copper Fins, Add						\$601.40
					Installation	Quantity	Unit Price	Factor		Total	
						1.00 x	589.61 x	1.0200 =		\$601.40	
94	15834	1103	1461	EA	For Variable Air Volume, Add						\$158.42
					Installation	Quantity	Unit Price	Factor		Total	
						1.00 x	155.31 x	1.0200 =		\$158.42	
95	15834	1103	1921	EA	For Coil Coating For Each Coil, Add						\$84.86
					Installation	Quantity	Unit Price	Factor		Total	
						1.00 x	83.20 x	1.0200 =		\$84.86	
96	15840	1111		LB	Galvanized Steel Welded Duct						\$19,604.40
					Installation	Quantity	Unit Price	Factor		Total	
						2,000.00 x	9.61 x	1.0200 =		\$19,604.40	
97	15840	1111	1376	LB	For PVC Coated, Inside And Outside, Add						\$4,916.40
					Installation	Quantity	Unit Price	Factor		Total	
						2,000.00 x	2.41 x	1.0200 =		\$4,916.40	
98	15840	1111	3101	LB	For Work In Restricted Working Space, Add						\$3,896.40
					Installation	Quantity	Unit Price	Factor		Total	
						2,000.00 x	1.91 x	1.0200 =		\$3,896.40	
99	15840	1502		LB	Sheet Metal Ductwork, Medium Pressure, Field Fabricated, Galvanized, Field Assemble And Install						\$37,780.80
					Installation	Quantity	Unit Price	Factor		Total	
						8,000.00 x	4.63 x	1.0200 =		\$37,780.80	
100	15840	1502	3101	LB	For Work In Restricted Working Space, Add						\$9,057.60
					Installation	Quantity	Unit Price	Factor		Total	
						8,000.00 x	1.11 x	1.0200 =		\$9,057.60	

Proposal Review - CSI Detail (Continued)

Job Order Number: 07695

Job Order Name: F.S. #81 - HVAC

Review: Fire Station #81 HVAC Replacement - 3/12/2008 12:17:50PM

101	15861	2043	EA	14"x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation						\$51.95
				Installation	Quantity	Unit Price	Factor		Total	
					1.00	50.93	1.0200	=	\$51.95	
102	15861	2065	EA	18"x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation						\$68.45
				Installation	Quantity	Unit Price	Factor		Total	
					1.00	67.11	1.0200	=	\$68.45	
103	15861	2077	EA	20"x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation						\$86.84
				Installation	Quantity	Unit Price	Factor		Total	
					1.00	85.14	1.0200	=	\$86.84	
104	15861	2088	EA	22"x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation						\$99.63
				Installation	Quantity	Unit Price	Factor		Total	
					1.00	97.68	1.0200	=	\$99.63	
				Actual size 30"X12"						
105	15869	3103	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control						\$738.43
				Installation	Quantity	Unit Price	Factor		Total	
					1.00	723.95	1.0200	=	\$738.43	
106	15869	3103	3301	EA	For Boxes With Motor, Add					\$20.40
				Installation	Quantity	Unit Price	Factor		Total	
					1.00	20.00	1.0200	=	\$20.40	
107	15869	3104	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control						\$751.10
				Installation	Quantity	Unit Price	Factor		Total	
					1.00	736.37	1.0200	=	\$751.10	
108	15869	3104	3301	EA	For Boxes With Motor, Add					\$20.40
				Installation	Quantity	Unit Price	Factor		Total	
					1.00	20.00	1.0200	=	\$20.40	
109	15869	3104	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control						\$751.10
				Installation	Quantity	Unit Price	Factor		Total	
					1.00	736.37	1.0200	=	\$751.10	
110	15869	3104	3301	EA	For Boxes With Motor, Add					\$20.40
				Installation	Quantity	Unit Price	Factor		Total	
					1.00	20.00	1.0200	=	\$20.40	
111	15869	3106	EA	14" Diameter Inlet, 350 - 1680 CFM, Single Duct Boxes, Constant Volume Control						\$868.84
				Installation	Quantity	Unit Price	Factor		Total	
					1.00	851.80	1.0200	=	\$868.84	
				1500 CFM						
112	15869	3106	3301	EA	For Boxes With Motor, Add					\$20.40
				Installation	Quantity	Unit Price	Factor		Total	
					1.00	20.00	1.0200	=	\$20.40	
113	15869	3106	EA	14" Diameter Inlet, 350 - 1680 CFM, Single Duct Boxes, Constant Volume Control						\$868.84
				Installation	Quantity	Unit Price	Factor		Total	
					1.00	851.80	1.0200	=	\$868.84	
				1200 CFM						
114	15869	3106	3301	EA	For Boxes With Motor, Add					\$20.40
				Installation	Quantity	Unit Price	Factor		Total	
					1.00	20.00	1.0200	=	\$20.40	
115	15869	3107	EA	16" Diameter Inlet, 450 - 2160 CFM, Single Duct Boxes, Constant Volume Control						\$908.76
				Installation	Quantity	Unit Price	Factor		Total	
					1.00	890.94	1.0200	=	\$908.76	

Proposal Review - CSI Detail (Continued)

Job Order Number: 07695
Job Order Name: F.S. #81 - HVAC
Review: Fire Station #81 HVAC Replacement - 3/12/2008 12:17:50PM

116	15869	3107	3301	EA	For Boxes With Motor, Add						\$20.40
					Installation	Quantity	Unit Price	Factor		Total	
						1.00	20.00	x	1.0200	=	\$20.40
117	15869	3107		EA	16" Diameter Inlet, 450 - 2160 CFM, Single Duct Boxes, Constant Volume Control						\$908.76
					Installation	Quantity	Unit Price	Factor		Total	
						1.00	890.94	x	1.0200	=	\$908.76
118	15869	3107	3301	EA	For Boxes With Motor, Add						\$20.40
					Installation	Quantity	Unit Price	Factor		Total	
						1.00	20.00	x	1.0200	=	\$20.40
119	15869	3108		EA	20" x 16" Inlet, 550 - 2640 CFM, Single Duct Boxes, Constant Volume Control						\$958.34
					Installation	Quantity	Unit Price	Factor		Total	
						1.00	939.55	x	1.0200	=	\$958.34
120	15869	3108	3301	EA	For Boxes With Motor, Add						\$20.40
					Installation	Quantity	Unit Price	Factor		Total	
						1.00	20.00	x	1.0200	=	\$20.40
121	15872	2011		EA	24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper						\$4,428.37
					Installation	Quantity	Unit Price	Factor		Total	
						42.00	103.37	x	1.0200	=	\$4,428.37
122	15872	2011	2202	EA	For Lay-In Mount, Add						\$512.37
					Installation	Quantity	Unit Price	Factor		Total	
						42.00	11.96	x	1.0200	=	\$512.37
123	15920	1402		EA	8 Universal Input, 4 Analog Output, 8 Digital Output, Panel High Level Block Program, ASD Bus Compatible						\$3,434.99
					Installation	Quantity	Unit Price	Factor		Total	
						1.00	3,367.64	x	1.0200	=	\$3,434.99
124	15920	3102		EA	Room Temperature Sensor With Cover And Digital Temp Display						\$1,982.80
					Installation	Quantity	Unit Price	Factor		Total	
						8.00	242.99	x	1.0200	=	\$1,982.80
125	15920	3103		EA	Duct Temperature Sensor						\$384.07
					Installation	Quantity	Unit Price	Factor		Total	
						2.00	188.27	x	1.0200	=	\$384.07
126	15920	3201		EA	Room Humidity Sensor With Cover						\$869.14
					Installation	Quantity	Unit Price	Factor		Total	
						2.00	426.05	x	1.0200	=	\$869.14
127	15920	3305		EA	Duct Static Pressure Sensor						\$627.10
					Installation	Quantity	Unit Price	Factor		Total	
						2.00	307.40	x	1.0200	=	\$627.10

Subtotal for 15

\$156,438.63

Section 16											
128	16119	1131		LF	1-5/8" x 7/8" Metal Channel, 12 Gauge Without Supports						\$177.68
					Installation	Quantity	Unit Price	Factor		Total	
						20.00	8.71	x	1.0200	=	\$177.68
129	16119	1133		LF	1-5/8" x 1-5/8" Metal Channel, 12 Gauge Without Supports						\$506.74
					Installation	Quantity	Unit Price	Factor		Total	
						48.00	10.35	x	1.0200	=	\$506.74
130	16119	1133		LF	1-5/8" x 1-5/8" Metal Channel, 12 Gauge Without Supports						\$211.14
					Installation	Quantity	Unit Price	Factor		Total	
						20.00	10.35	x	1.0200	=	\$211.14

Proposal Review - CSI Detail (Continued)

Job Order Number: 07695

Job Order Name: F.S. #81 - HVAC

Review: Fire Station #81 HVAC Replacement - 3/12/2008 12:17:50PM

131	16120	1223		MLF	#12 AWG Cable - XLP (XHHW), 600 V, Single Stranded, Placed In Conduit					\$1,547.75
					Installation	Quantity	Unit Price	Factor	Total	
						2.50	606.96	1.0200	\$1,547.75	
132	16120	1223		MLF	#12 AWG Cable - XLP (XHHW), 600 V, Single Stranded, Placed In Conduit					\$1,547.75
					Installation	Quantity	Unit Price	Factor	Total	
						2.50	606.96	1.0200	\$1,547.75	
133	16120	1224		MLF	#10 AWG Cable - XLP (XHHW), 600 V, Single Stranded, Placed In Conduit					\$2,004.91
					Installation	Quantity	Unit Price	Factor	Total	
						2.50	786.24	1.0200	\$2,004.91	
134	16120	1224		MLF	#10 AWG Cable - XLP (XHHW), 600 V, Single Stranded, Placed In Conduit					\$2,004.91
					Installation	Quantity	Unit Price	Factor	Total	
						2.50	786.24	1.0200	\$2,004.91	
135	16120	1225		MLF	#8 AWG Cable - XLP (XHHW), 600 V, Single Stranded, Placed In Conduit					\$2,384.73
					Installation	Quantity	Unit Price	Factor	Total	
						2.50	935.19	1.0200	\$2,384.73	
136	16120	1226		MLF	#6 AWG Cable - XLP (XHHW), 600 V, Single Stranded, Placed In Conduit					\$3,410.09
					Installation	Quantity	Unit Price	Factor	Total	
						2.50	1,337.29	1.0200	\$3,410.09	
137	16120	1227		MLF	#4 AWG Cable - XLP (XHHW), 600 V, Single Stranded, Placed In Conduit					\$4,909.26
	Excludes Equipment				Installation	Quantity	Unit Price	Factor	Total	
						2.50	1,925.20	1.0200	\$4,909.26	
138	16120	1229		MLF	#2 AWG Cable - XLP (XHHW), 600 V, Single Stranded, Placed In Conduit					\$7,217.57
					Installation	Quantity	Unit Price	Factor	Total	
						2.50	2,830.42	1.0200	\$7,217.57	
139	16120	1229		MLF	#2 AWG Cable - XLP (XHHW), 600 V, Single Stranded, Placed In Conduit					\$6,755.65
					Installation	Quantity	Unit Price	Factor	Total	
						2.34	2,830.42	1.0200	\$6,755.65	
140	16131	2612		LF	3/4" EMT Conduit, Mounted Exposed On Flat Wall					\$2,717.28
					Installation	Quantity	Unit Price	Factor	Total	
						1,200.00	2.22	1.0200	\$2,717.28	
141	16131	2612	2821	LF	For Work In Restricted Working Space, Add					\$440.64
					Installation	Quantity	Unit Price	Factor	Total	
						800.00	0.54	1.0200	\$440.64	
142	16131	2612	2822	LF	For Installation Above 14' (4.3 m), Add					\$220.32
					Installation	Quantity	Unit Price	Factor	Total	
						800.00	0.27	1.0200	\$220.32	
143	16131	2613		LF	1" EMT Conduit, Mounted Exposed On Flat Wall					\$1,109.76
					Installation	Quantity	Unit Price	Factor	Total	
						400.00	2.72	1.0200	\$1,109.76	
144	16131	2613	2628	LF	For Installation In Metal Stud Wall, Add					\$81.60
					Installation	Quantity	Unit Price	Factor	Total	
						400.00	0.20	1.0200	\$81.60	
145	16131	2613	2821	LF	For Work In Restricted Working Space, Add					\$240.72
					Installation	Quantity	Unit Price	Factor	Total	
						400.00	0.59	1.0200	\$240.72	
146	16131	2613	2822	LF	For Installation Above 14' (4.3 m), Add					\$122.40
					Installation	Quantity	Unit Price	Factor	Total	
						400.00	0.30	1.0200	\$122.40	

Proposal Review - CSI Detail (Continued)

Job Order Number: 07695

Job Order Name: F.S. #81 - HVAC

Review: Fire Station #81 HVAC Replacement - 3/12/2008 12:17:50PM

147	16131	2672		EA	3/4" EMT Compression Coupling, Mounted Exposed On Flat Wall							\$232.56
					Installation	Quantity	Unit Price	Factor		Total		
						80.00	2.85	x	1.0200	=	\$232.56	
148	16131	2672	2821	EA	For Work In Restricted Working Space, Add							\$61.20
					Installation	Quantity	Unit Price	Factor		Total		
						80.00	0.75	x	1.0200	=	\$61.20	
149	16131	2672	2822	EA	For Installation Above 14' (4.3 m), Add							\$31.01
					Installation	Quantity	Unit Price	Factor		Total		
						80.00	0.38	x	1.0200	=	\$31.01	
150	16131	2673		EA	1" EMT Compression Coupling, Mounted Exposed On Flat Wall							\$169.32
					Installation	Quantity	Unit Price	Factor		Total		
						40.00	4.15	x	1.0200	=	\$169.32	
151	16131	2673	2821	EA	For Work In Restricted Working Space, Add							\$44.06
					Installation	Quantity	Unit Price	Factor		Total		
						40.00	1.08	x	1.0200	=	\$44.06	
152	16131	2673	2822	EA	For Installation Above 14' (4.3 m), Add							\$22.03
					Installation	Quantity	Unit Price	Factor		Total		
						40.00	0.54	x	1.0200	=	\$22.03	
153	16131	2732		EA	3/4" EMT Box Connector, Compression							\$61.53
					Installation	Quantity	Unit Price	Factor		Total		
						16.00	3.77	x	1.0200	=	\$61.53	
154	16131	2732	2821	EA	For Work In Restricted Working Space, Add							\$12.24
					Installation	Quantity	Unit Price	Factor		Total		
						16.00	0.75	x	1.0200	=	\$12.24	
155	16131	2732	2822	EA	For Installation Above 14' (4.3 m), Add							\$6.20
					Installation	Quantity	Unit Price	Factor		Total		
						16.00	0.38	x	1.0200	=	\$6.20	
156	16131	2733		EA	1" EMT Box Connector, Compression							\$41.53
					Installation	Quantity	Unit Price	Factor		Total		
						8.00	5.09	x	1.0200	=	\$41.53	
157	16131	2733	2821	EA	For Work In Restricted Working Space, Add							\$7.02
					Installation	Quantity	Unit Price	Factor		Total		
						8.00	0.86	x	1.0200	=	\$7.02	
158	16131	2733	2822	EA	For Installation Above 14' (4.3 m), Add							\$3.51
					Installation	Quantity	Unit Price	Factor		Total		
						8.00	0.43	x	1.0200	=	\$3.51	
159	16131	2802		EA	3/4" LB, LR, Or LL Fitting With Cover And Set Screw							\$88.68
					Installation	Quantity	Unit Price	Factor		Total		
						6.00	14.49	x	1.0200	=	\$88.68	
160	16131	2802	2821	EA	For Work In Restricted Working Space, Add							\$16.46
					Installation	Quantity	Unit Price	Factor		Total		
						6.00	2.69	x	1.0200	=	\$16.46	
161	16131	2802	2822	EA	For Installation Above 14' (4.3 m), Add							\$8.20
					Installation	Quantity	Unit Price	Factor		Total		
						6.00	1.34	x	1.0200	=	\$8.20	
162	16131	4113		LF	1" PVC Schedule 40 Conduit With Coupling, Direct Burial, Glued Coupling							\$306.00
					Installation	Quantity	Unit Price	Factor		Total		
						150.00	2.00	x	1.0200	=	\$306.00	

Proposal Review - CSI Detail (Continued)

Job Order Number: 07695

Job Order Name: F.S. #81 - HVAC

Review: Fire Station #81 HVAC Replacement - 3/12/2008 12:17:50PM

163	16131	4113	4189	LF	For Schedule 80, Add							\$53.55
					Installation	Quantity	Unit Price	Factor		Total		
						150.00	0.35	x	1.0200	=	\$53.55	
164	16131	8114		LF	1" Liquid Tight Flex Conduit							\$95.47
					Installation	Quantity	Unit Price	Factor		Total		
						40.00	2.34	x	1.0200	=	\$95.47	
165	16131	8114	9199	LF	For Work In Restricted Working Space, Add							\$17.54
					Installation	Quantity	Unit Price	Factor		Total		
						40.00	0.43	x	1.0200	=	\$17.54	
166	16131	8117		LF	2" Liquid Tight Flex Conduit							\$207.67
					Installation	Quantity	Unit Price	Factor		Total		
						40.00	5.09	x	1.0200	=	\$207.67	
167	16131	8117	9199	LF	For Work In Restricted Working Space, Add							\$35.09
					Installation	Quantity	Unit Price	Factor		Total		
						40.00	0.86	x	1.0200	=	\$35.09	
168	16131	8134		EA	1" Straight Connector							\$38.98
					Installation	Quantity	Unit Price	Factor		Total		
						6.00	6.37	x	1.0200	=	\$38.98	
169	16131	8134	9199	EA	For Work In Restricted Working Space, Add							\$6.61
					Installation	Quantity	Unit Price	Factor		Total		
						6.00	1.08	x	1.0200	=	\$6.61	
170	16131	8137		EA	2" Straight Connector							\$86.66
					Installation	Quantity	Unit Price	Factor		Total		
						6.00	14.16	x	1.0200	=	\$86.66	
171	16131	8137	9199	EA	For Work In Restricted Working Space, Add							\$9.24
					Installation	Quantity	Unit Price	Factor		Total		
						6.00	1.51	x	1.0200	=	\$9.24	
172	16131	8154		EA	1" 90 Degree Angle Connector							\$58.20
					Installation	Quantity	Unit Price	Factor		Total		
						6.00	9.51	x	1.0200	=	\$58.20	
173	16131	8154	9199	EA	For Work In Restricted Working Space, Add							\$9.24
					Installation	Quantity	Unit Price	Factor		Total		
						6.00	1.51	x	1.0200	=	\$9.24	
174	16140	1112		EA	1 Gang, 20 A, NEMA 5-20, Duplex Receptacle Assembly Note: Includes box, receptacle and cover plate							\$103.24
					Installation	Quantity	Unit Price	Factor		Total		
						3.00	33.74	x	1.0200	=	\$103.24	
175	16140	1116		EA	1 Gang, 20 A, GFI, Duplex Receptacle Assembly Note: Includes box, receptacle and cover plate							\$130.14
					Installation	Quantity	Unit Price	Factor		Total		
						3.00	42.53	x	1.0200	=	\$130.14	
176	16155	4131		EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 V, 3 Phase							\$1,024.58
					Installation	Quantity	Unit Price	Factor		Total		
						1.00	1,004.49	x	1.0200	=	\$1,024.58	
177	16155	4133		EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 V, 3 Phase							\$1,757.32
					Installation	Quantity	Unit Price	Factor		Total		
						1.00	1,722.86	x	1.0200	=	\$1,757.32	

Proposal Review - CSI Detail (Continued)

Job Order Number: 07695

Job Order Name: F.S. #81 - HVAC

Review: Fire Station #81 HVAC Replacement - 3/12/2008 12:17:50PM

178	16155	4134	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 V, 3 Phase						\$2,742.68
				Quantity		Unit Price		Factor		Total
			Installation	1.00	x	2,688.90	x	1.0200	=	\$2,742.68
179	16170	2333	EA	100 A Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 V, 3 Phase						\$520.64
				Quantity		Unit Price		Factor		Total
			Installation	1.00	x	510.43	x	1.0200	=	\$520.64
180	16190	2725	C	11-1/2" Nylon Cable Ties, 40# Tensile Strength						\$66.03
				Quantity		Unit Price		Factor		Total
			Installation	6.00	x	10.79	x	1.0200	=	\$66.03
181	16190	2725	2799	C	For UV Black, Add					\$5.51
				Quantity		Unit Price		Factor		Total
			Installation	6.00	x	0.90	x	1.0200	=	\$5.51
182	16190	4505	EA	3/8" Diameter x 3" Long Wedge Anchor Expansion Bolt With Nut And Washer						\$487.46
				Quantity		Unit Price		Factor		Total
			Installation	90.00	x	5.31	x	1.0200	=	\$487.46
183	16190	4505	9791	EA	For Drilling Holes In Wall Instead Of Floor, Add					\$54.16
				Quantity		Unit Price		Factor		Total
			Installation	90.00	x	0.59	x	1.0200	=	\$54.16
184	16190	4505	9911	EA	For Work In Restricted Working Space, Add					\$130.36
				Quantity		Unit Price		Factor		Total
			Installation	90.00	x	1.42	x	1.0200	=	\$130.36
185	16471	4411	EA	1 Pole, 120/240 Volt, 15-60 A, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity						\$150.10
				Quantity		Unit Price		Factor		Total
			Installation	2.00	x	73.58	x	1.0200	=	\$150.10
186	16471	4411	4491	EA	For Bolt-On, Add					\$24.36
				Quantity		Unit Price		Factor		Total
			Installation	2.00	x	11.94	x	1.0200	=	\$24.36
187	16471	4421	EA	2 Pole, 120/240 Volt, 15-60 A, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity						\$351.37
				Quantity		Unit Price		Factor		Total
			Installation	2.00	x	172.24	x	1.0200	=	\$351.37
188	16471	4421	4491	EA	For Bolt-On, Add					\$52.33
				Quantity		Unit Price		Factor		Total
			Installation	2.00	x	25.65	x	1.0200	=	\$52.33
189	16471	4422	EA	2 Pole, 120/240 Volt, 70-100 A, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity						\$208.32
				Quantity		Unit Price		Factor		Total
			Installation	1.00	x	204.24	x	1.0200	=	\$208.32
190	16471	4422	4491	EA	For Bolt-On, Add					\$31.64
				Quantity		Unit Price		Factor		Total
			Installation	1.00	x	31.02	x	1.0200	=	\$31.64
191	16471	4431	EA	3 Pole, 120/240 Volt, 15-60 A, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity						\$417.73
				Quantity		Unit Price		Factor		Total
			Installation	2.00	x	204.77	x	1.0200	=	\$417.73
192	16471	4431	4491	EA	For Bolt-On, Add					\$63.42
				Quantity		Unit Price		Factor		Total
			Installation	2.00	x	31.09	x	1.0200	=	\$63.42

Proposal Review - CSI Detail (Continued)

Job Order Number: 07695

Job Order Name: F.S. #81 - HVAC

Review: Fire Station #81 HVAC Replacement - 3/12/2008 12:17:50PM

193	16471	4431	EA	3 Pole, 120/240 Volt, 15-60 A, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity						\$208.87
				Installation	Quantity		Unit Price		Factor	Total
					1.00	x	204.77	x	1.0200	\$208.87
194	16471	4431	4491	EA	For Bolt-On, Add					\$31.71
					Quantity		Unit Price		Factor	Total
					1.00	x	31.09	x	1.0200	\$31.71
195	16510	1332	EA	2' x 2' Lay-In/Troffer Prismatic Lens Fluorescent Fixture, (4T8) Note: With electronic ballast.						\$7,646.65
				Installation	Quantity		Unit Price		Factor	Total
					44.00	x	156.04	x	1.0200	\$7,003.08
				Demolition	44.00	x	14.34	x	1.0200	\$643.58
196	16820	2003	EA	Atlas/Soundlier Speaker Model FD72W Recessed Mounted, With Items 2006-2008						\$2,695.64
				Installation	Quantity		Unit Price		Factor	Total
					14.00	x	178.26	x	1.0200	\$2,545.55
				Demolition	14.00	x	10.51	x	1.0200	\$150.08
Subtotal for 16										\$58,244.96
Proposal Review Total										\$390,102.46

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.

Budget Availability Statement

REQUEST DATE: March 17, 2008

REQUESTED BY: Pat D'Angelo

PHONE#: (561) 233-2051

PROJECT TITLE: F.S. #81 - HVAC

Project No: 07695

LOCATION #: 173

LOCATION DESCRIPTION: Fire Station #81

ORIGINAL CONTRACT/ANNUAL AMOUNT:

BCC RESOLUTION # / DATE:

R-2007-0948 dated 06/19/2007

CSA/LOA/CHANGE ORDER AMOUNT:

CSA/LOA/CHANGE ORDER NUMBER: Work Order #: 08-067

CONTRACTOR/CONSULTANT NAME: West Construction, Inc.

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

Provide replacement of the HVAC system per the plans and specs by BRPH.

WILL THIS AMENDMENT CHANGE THE ESTIMATED COST OF THE PROJECT? Yes

IF YES, PROVIDE ESTIMATES OF THE NEW COSTS:

CONSTRUCTION	390,102.46
ARCHITECT/ENGINEER	5,851.54 1.5% WORK ORDER AMOUNT FOR TGG FEE
*STAFF COSTS	14,980.00
EQUIPMENT/OTHER	0.00
CONTINGENCY	39,010.25

TOTAL: \$449,944.24

* 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)

4110-121-A035-6211

☐ FEDERAL/DAVIS BACON

☐ AD VALOREM

☒ OTHER (PRJA)

SUPPLEMENTAL AGREEMENT TO BE APPROVED BY:

BCC (WO > \$100,000)

ANTICIPATED DATE OF APPROVAL: ASAP

BAS APPROVED BY: See BAS attached

DATE: 3/17/08

ENCUMBRANCE NUMBER: _____

ATTACHMENT #4

BUDGET AVAILABILITY STATEMENT

REQUEST DATE: 03/05/2008

REQUESTED BY: Pat D'Angelo

PHONE: 233-2051

PROJECT TITLE: PBIA - FS#81 - HVAC

PROJECT NO.: 00695

LOCATION DESCRIPTION: PBIA

ORIGINAL CONTRACT/ANNUAL AMOUNT:

BCC RESOLUTION#:

CSA/LOA CHANGE ORDER AMOUNT:

CSA/LOA CHANGE ORDER NUMBER:

CONTRACTOR/CONSULTANT NAME: West Construction - JOC

PROVIDE A BRIEF STATEMENT OF THE SCOPE OF SERVICES TO BE PROVIDED BY THE

CONSULTANT/CONTRACTOR: Replacement of entire HVAC system - including duct work/ new kitchen hood/ new drop ceiling

WILL THIS AMENDMENT CHANGE THE ESTIMATED COST OF THE PROJECT?

IF YES, PROVIDE ESTIMATES OF THE NEW COSTS:

CONSTRUCTION	<u>\$ 390,095.16</u>	
ARCHITECTURE/ENGINEER	<u>5,851.43</u>	(TGG)
STAFF COSTS	<u>15,000.00</u>	
BOND WAIVER		(2% Work Order Amount For Bond Waiver Contacts Only)
EQUIPMENT/OTHER		
CONTINGENCY	<u>39,000.00</u>	(10%)
TOTAL	<u>\$449,946.59</u>	

*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 NUMBER (IDENTIFY ALL SOURCES): FUNDING SOURCE (CHECK ALL THAT APPLY)
_____ AD VALOREM _____ OTHER (PRIA)

4/10-121-A035-6211

FEDERAL/DAVIS BACON

SUPPLEMENTAL AGREEMENT TO BE APPROVED BY:

ANTICIPATED DATE OF APPROVAL:

BAS APPROVED BY:

DATE:

ENCUMBRANCE NUMBER: