CITY OF EL PASO, TEXAS
AGENDA ITEM
DEPARTMENT HEAD'S SUMMARY FORM

DEPARTMENT: Sun Metro/Engineering
AGENDA DATE: March30, 2010
CONTACT PERSON/PHONE: R. Alan Shubert, P.E., City Engineer, Phone 541-4423
DISTRICT(S) AFFECTED: 1

SUBJECT:
That the City Council approves the expenditure of additional available funding in the amount of seventy one thousand eight hundred forty nine and 00/100 dollars ($71,849.00) to Arrow Building Corporation for additional construction costs of the Glory Road Transit Terminal. Change Order 7 provides for labor, materials and equipment to construct a new office space for future facilities manager which will be housed at the terminal including new office space, restroom, heating and cooling, adding no days of contract time [change order number 7] for Contract Number 2009-145. The new contract sum, including change order 7, is nine million two hundred fourteen thousand two hundred twenty and 26/100 dollars ($9,214,220.26).

BACKGROUND / DISCUSSION:
Change Order 7 provides for labor, materials and equipment to construct a new office space for future facilities manager which will be housed at the terminal including new office space, restroom, heating and cooling, adding no days of contract time.

PRIOR MASS TRANSIT BOARD/COUNCIL ACTION:
City Council and the Mass Transit Board approved the construction award of Glory Road Transit Terminal June 2, 2009.

AMOUNT AND SOURCE OF FUNDING:
60600011/508027/11711/PCP09MT003 American Recovery & Reinvestment Act (ARRA)

BOARD / COMMISSION ACTION:

N/A

**********REQUIRED AUTHORIZATION**********

DEPARTMENT HEAD: _____

(If Department Head Summary Form is initiated by Purchasing, client department should sign also)

Information copy to appropriate Deputy City Manager

RESOLUTION

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF EL PASO

That the City Council approves the expenditure of additional available funding in the amount of seventy one thousand eight hundred forty nine and 00/100 dollars ($71,849.00) to Arrow Building Corporation for additional construction costs of the Glory Road Transit Terminal. Change Order 7 provides for labor, materials and equipment to construct a new office space for future facilities manager which will be housed at the terminal including new office space, restroom, heating and cooling, adding no days of contract time [change order number 7] for Contract Number 2009-145. The new contract sum, including change order 7, is nine million two hundred fourteen thousand two hundred twenty and 26/100 dollars ($9,214,220.26).

ADOPTED THIS _____ DAY OF _____ 2010.

THE CITY OF EL PASO:

_____
John F. Cook, Mayor

ATTEST:

_____
Richarda Duffy Momsen, City Clerk

APPROVED AS TO FORM:

Mark Shoesmith
Assistant City Attorney

APPROVED AS TO CONTENT:

R. Alan Shubert, P.E.
City Engineer

CITY OF EL PASO ENGINEERING DEPARTMENT
CONTRACT CHANGE ORDER

CHANGE ORDER NO.: 7

DATE: 3/1/2010

☐ SCOPE CHANGE ☑ CONSTRUCTION CHANGE

PROJECT: GLORY ROAD TRANSIT TERMINAL

BID NO.: 2009-145

TO (Contractor): ARROW BUILDING CORPORATION

DEPT. ID#: 60600011
PROJ/GRANT/USER: PCP09MT003
FUND: 11711
ACCOUNT: 508027
PO NO. : 2009003367

You are directed to make the following changes to this Contract:

Justification:
Provide labor, materials, and equipment to construct a new office space for future facilities manager which will be housed at the Glory Road Terminal. Include new office space, restroom, heating and cooling.

Attachments: Problem/Solution Rationalization
Contractor's Cost Proposals

CHANGE ORDER AMOUNT : 71,849.00

Original Contract Sum		8,994,000.00
Net Change by previous Change Orders		148,371.26
Net Change by previous Construction Quantity Notices		0.00
Contract Sum prior to this Change Order		9,142,371.26
Contract Sum will be (increased) (decreased) (unchanged)	**By this Change Order**	**71,849.00**
New Contract Sum, including this Change Order		9,214,220.26
Total Net Value of Change Orders To Date		220,220.26
Total Net Value of Construction Quantity Notices to Date		0.00

Contract Time will be (increased) (decreased) **(unchanged)** **BY (0) DAYS***

Original Contract Days:	475
Days by Previous and Current Change Order:	54
Total Days:	529

* Subject to the terms of the Contract, GENERAL CONDITIONS, SECTION 2.5

Net Change Order and Construction Quantity Notice Percentage (Not to exceed 25%) 2.45%

CONTRACTOR		CITY OF EL PASO
ARROW BUILDING CORPORATION		CITY COUNCIL ACTION REQUIRED: [ ] No [X] Yes Date Approved
By: [signature] DAVID DIAZ Type or Print Name 3/2/2010 Date	Type or Print Name Date	By: [signature] R. Alan Shubert, P.E. City Engineer 3/2/10 Date

GG 3/2/10 [signature] 3/2/10

CITY OF EL PASO
REQUEST FOR CHANGE ORDER

TO: Financial Services, Construction Bidding

FROM: Gilbert Guerrero

FIRM: City of El Paso Engineering

Phone No. 541-4107

DATE: February 26, 2010

RE: Project: Glory Road Transit Terminal

Bid No: 2009-145

Change Order No: 7

Please Indicate Type: Construction X Scope ___

Change in Contract Time: 0 Days

Change Order Amount: $ 71,849.00

Please Indicate Action to PO: Increase X Decrease ___

Justification: Provide labor, materials, and equipment to construct a new office space for future facilities manager which will be housed at the Glory Road Terminal. Include new office space, restroom, heating and cooling.

Attachments: Problem/Solution Rationalization
Contractor's Cost Proposals

Project Manager Recommends Approval:

Gilbert Guerrero Date: 2/26/10

RECEIVED
FEB 26 2010
ENGINEERING DEPT.
CONTRACT COMPLIANCE

CONSTRUCTION CHANGE ORDER JUSTIFICATION

Date: February 26, 2010

RE: Glory Road Transit Terminal
Solicitation No.: 2009-145

Problem:

(1) Sun Metro will hire a facility manager for all future terminals, office space is needed to house new manager. **(User Request)**

Solution:

(1) Construct new office space, to house new facility manager. New space will require relocation of electrical room, storage area, also will require re-grading of alley to prevent water from entering new storage facility. The new area will include office space and restroom. New lighting, walls, heating and cooling will be necessary.

Total Cost $ 71,849.00

Project Manager Recommends Approval:

Gilbert Gruno **Date:** 2/26/10

ARROW

Arrow Building Corporation • 6095 Surety Drive • El Paso, Texas 79905
(915) 778-1147
FAX (915) 778-5123
www.arrowbldg.com

February 10, 2010

Mr. Mel Herrera
ECM International, Inc.
404 Executive Center Blvd.
El Paso, Texas 79902

Re: Glory Road Transit Terminal and Parking Garage

Dear Mr. Herrera,

We propose to provide labor, materials, and equipment for installation of the additional work in proposal request #9B per the attached scope of work and the drawings attached for the sum of $ 71,849.00.

Sincerely,
Arrow Building Corporation

David Diaz
Vice President

ARROW BUILDING CORPORATION
SUMMARY SHEET

02/10/2010
08:18:07 AM

ESTIMATE:CHANGE ORDER PROPOSAL # 9B
BID DATE:

DESCRIPTION	LABOR	MATERIAL	SUBCONTRACT		TOTAL
0100 General Cond	0	1,083	0	1.8%	1,083
0265 Site Concrete	784	2,250	0	A	3,034
0270 Fencing	0	0	700	A	700
0810 Hollow Metal	0	1,336	0	APCO	1,336
0925 Gypsum Drywall	0	0	5,150	Divesified	5,150
0930 Tile	0	0	3,000	A	3,000
1080 Toilet and Bath Accessori	168	500	0	A	668
12000 Walk off Mats	112	800	0	A	912
1550 Fire Protection	0	0	660	Five Star	660
1500 Mechanical	0	0	35,529	El Paso Bestw	35,529
1600 Electrical	0	0	8,689	El Paso ARC	8,689
	1,064	5,969	53,728		60,760
1700 Sales Tax	0	492	0		492
	1,064	6,461	53,728		61,253
1800 Permit EP	0	0	0		0
1800 TDL&R	0	0	0		0
1900 Insurance	0	0	0		0
		Adv	Exp		61,253
2500 OH&P	15.00%	0	0		9,188
					70,440
1904 Bonds	2.00%				1,409
TOTAL ESTIMATE					71,849

0265 Site Concrete	sub						Adv
A	0						0
Other							Bond
Other							0.0%
Other							
	Ext	Unit	Labor	Unit	Material	Unit	Subcont
			0		0		0
6 each truncated dome system	6	50.00	300	125.00	750		0
2 each new concrete ramps	2	100.00	200		0		0
Signs	2	100.00	200	750.00	1,500		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
$/unit	225.00						
Payroll Taxes	12.00%		84				
$/SF	0.06						
comparison#	2,250		784		2,250		0

0270 Fencing	sub						Adv
A	700						0
Other							Bond
Other							0.0%
Other							
	Ext	Unit	Labor	Unit	Material	Unit	Subcont
			0		0		700
			0		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
$/unit	ERR						
Payroll Taxes	12.00%		0				
$/SF	0.02						
comparison#	700		0		0		700

0810 Hollow Metal	mtl						Adv
APCO	1,336						0
Other							Bond
Other							0.0%
Other							
	Ext	Unit	Labor	Unit	Material	Unit	Subcont
			0		1,336		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
$/unit	ERR						
Payroll Taxes	12.00%		0				
$/SF	0.03						
comparison#	1,336		0		1,336		0

0925 Gypsum Drywall	sub						Adv
Divesified	5,150						0
Other							Bond
Other							0.0%
Other							
	Ext	Unit	Labor	Unit	Material	Unit	Subcont
			0		0		5,150
			0		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
$/unit	ERR						
Payroll Taxes	12.00%		0				
$/SF	0.13						
comparison#	5,150		0		0		5,150

0930 Tile	sub						Adv
A	0						0
Other							Bond
Other							0.0%
Other							
	Ext	Unit	Labor	Unit	Material	Unit	Subcont
			0		0		0
Floor	49		0		0	10.00	490
walls	140		0		0	10.00	1,400
Carpet office	37		0		0	30.00	1,110
			0		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
$/unit	13.27						
Payroll Taxes	12.00%		0				
$/SF	0.08						
comparison#	3,000		0		0		3,000

1080 Toilet and Bath Accessories	mtl						Adv
A	500						0
Other							Bond
Other							0.0%
Other							
	Ext	Unit	Labor	Unit	Material	Unit	Subcont
			0		500		0
			0		0		0
install	1	150.00	150		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
$/unit	500.00						
Payroll Taxes	12.00%		18				
$/SF	0.01						
comparison#	500		168		500		0

12000 Walk off Mats	mtl						Adv
A	800						0
Other							Bond
Other							0.0%
Other							
	Ext	Unit	Labor	Unit	Material	Unit	Subcont
			0		800		0
Walk off mat	1	100.00	100		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
$/unit	800.00						
Payroll Taxes	12.00%		12				
$/SF	0.02						
comparison#	800		112		800		0

1550 Fire Protection	sub						Adv
Five Star	660						0
Other							Bond
Other							0.0%
Other							
	Ext	Unit	Labor	Unit	Material	Unit	Subcont
			0		0		660
			0		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
$/unit	ERR						
Payroll Taxes	12.00%		0				
$/SF	0.02						
comparison#	660		0		0		660

1500 Mechanical	sub						Adv
El Paso Bestway	35,529						0
Other							Bond
Other							0.0%
Other							
	Ext	Unit	Labor	Unit	Material	Unit	Subcont
			0		0		35,529
			0		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
			0		0		0
$/unit	ERR						
Payroll Taxes	12.00%		0				
$/SF	0.89						
comparison#	35,529		0		0		35,529

1600 Electrical		sub						Adv
	El Paso ARC	8,689						0
	Other							Bond
	Other							0.0%
	Other							
		Ext	Unit	Labor	Unit	Material	Unit	Subcont
				0		0		8,689
				0		0		0
				0		0		0
				0		0		0
				0		0		0
				0		0		0
				0		0		0
				0		0		0
				0		0		0
	$/unit	ERR						
	Payroll Taxes	12.00%		0				
	$/SF	0.22						
	comparison#	8,689		0		0		8,689

February 2, 2010

RE: Glory Road Transit Terminal and Parking Garage: Change Proposal No. 9B

WE QUOTE AS FOLLOWS

Door 115: Single door in lieu of Pair – No change in price
Door 116: Correct as originally specified
Door 117: Correct as originally specified
Door 118: New hollow metal door, fame, hardware, labor to install
Window type H: 1ea. new window type H
ALL frames installed by others.
Tax no included

Total $1,336.00

Thanks!

Michael Hinojos
APCO Building Specialties Co., Inc.

4737 Osborne * P.O. Box 12807 * (915) 584-9424 * FAX (915) 833-7587 * El Paso, TX 79913

DIVERSIFIED INTERIORS
4750 Ripley, El Paso, TX 79922
Phone: 585-0030 Fax: 585-0050

Bid Summary

Change Proposal 9B

Bid No. 1

Selected Sections: 05400 Cold Formed Metal Framing, 07210 Building Insulation, 09220 Portland Cement Plaster, 09250 Drywall framing, 09500 Acoustical Ceilings, 09900 Painting

Selected Typical Areas:

Selected Areas: (unassigned), 1st Floor, 2nd Floor, 3rd Floor, 4th Floor, 5th Floor, 6th Floor, 7th Floor, Penthouse, High Roof, All Areas

Estimator: DH - Drew Hawley
Job Class:
Wage Type: Open

Job Status: Sold
Bid Date/Time: 12:00:00 AM
Plans Date:

No.	Condition	Height	Quantity	Unit Pricing Mat.	Lab.	Total	Total Price
1	Wall Type 14	16' 0"	17.00 LF	0.76	0.86	1.62 / SF	441.31
2	Wall Type 11	16' 0"	18.00 LF	2.45	1.60	4.05 / SF	1,167.40
3	Wall Type 17	16' 0"	-18.00 LF	2.42	1.43	3.84 / SF	-1,106.98
4	Wall Type 17	16' 0"	7.00 LF	2.42	1.43	3.84 / SF	430.49
5	Wall Type 15	16' 0"	23.00 LF	0.52	0.55	1.08 / SF	396.94
6	Stucco		240.00 SF	1.94	3.18	5.12 / SF	1,227.93
7	Set Frames		2.00 EA	28.37	28.15	56.52 / EA	113.05
8	Acoustical Ceilings		414.00 SF	1.54	0.62	2.16 / SF	894.83
9	Gyp Lids		64.00 SF	0.91	0.88	1.79 / SF	114.82

Material & Labor Total: 3,679.78

Subcontractor	Cost Code	Total Price
RG PAINT	SUBCONTR	1,000.00

Subcontractor Total: 1,000.00

Additional Markups

Description	%	Total
Overhead and Profit	10.00%	467.98

Grand Total: $5,147.76

$5,150.00

K. D. SCHOLTEN COMPANY
Commercial Construction Specialties

7365 Remcon Circle, Suite A-106
El Paso, Texas 79912

Phone 915.833.1452
Fax 915.225.0422

Web www.kdscholten.com
Email willyalcala@kdscholten.com

BID PROPOSAL

TO	ARROW BUILDING CORP. ATTN. DAVID DIAZ
FROM	Willy Alcala, Estimator
PROJECT	GLORY RD. TRANSIT TERMINAL
DATE	12 January 2010

K. D. Scholten Company proposes to provide the materials herein described in accordance with materials and specifications as detailed in the following:

ARCHITECTURAL PLANS *YES*
SPECIFICATIONS *YES* *ADDENDA* *NO*

This bid proposal DOES NOT include any applicable state sales taxes which may apply to any and/or all aspects of the project referenced.

MATERIAL	INSTALLATION COST	MATERIAL COST
2 ea. Traffic signs model # 218-3, double post, single blade panel .090 alum., single sided,		$1,500.00
reflective vinyl copy 18" H x 24" W viewable area, manufacture standard colors, material and construction.		
CUSTOM COLOR: ADD $ 300.00 PER SIGN PER COLOR		
NOTE: ARTWORK BY OWNER MUST BE SUBMITTED ON VECTOR-EPS, DXF, AI, CDR ONLY		
** NO TAX, MATERIAL ONLY		
** PRODUCTION LEAD TIME AFTER APPROVED SUBMITTALS (4 - 6 WEEKS)		
APPROVED BY:		
DATE:		
SUBTOTALS	$0.00	$1,500.00
TOTAL BID PROPOSAL		$1,500.00

K. D. Scholten Company agrees to provide any and all supplemental documentation required for contract performance (ie,, *ACCORD* Certificate of Liability Insurance). NO TAX, NO PAYMENT AND PERFORMANCE BOND UNLESS OTHERWISE NOTED. IF PAYMENT AND PERFORMANCE BOND IS REQUIRED ADD 2.5%. THIS QUOTATION IS SUBJECT TO YOUR ACCEPTANCE WITHIN 30 DAYS AND 6 MONTHS TO DELIVER OR INSTALL THE ORDER, ONLY AFTER WHICH TIME IT MAY BE SUBJECT TO PRICE REVISION DUE TO VOLATILITY IN MATERIAL AND FUEL PRICES. FREIGHT IS BASED ON SINGLE SHIPMENT TO ONE DESTINATION. QUOTE GOOD FOR THE QUANTITIES AND DESCRIPTIONS ABOVE ONLY. NO ALLOWANCES APPLIED. CUT OUTS AND BLOCKING BY OTHERS.PRICE DOES NOT INCLUDE ANY FEES, STORAGE OR STORAGE FEES AND PRICE PROTECTIONS. IF YOU ACCEPT OUR BID PROPOSAL ACCEPT OUR CONDITIONS. NO HUB CERTIFIED AND NO WOMEN OWNED BUSSINESS COMPANY.

K. D. Scholten Company	*Signature*	*Date*
Willy Alcala, Estimator	Willy Alcala	January 12, 2010

WE NOW OFFER A PROFESSIONAL INSTALLATION SERVICE OF HOLLOW METAL DOORS, FRAMES AND HARDWARE

David Diaz

From: Luis Palacios [lpalacios@fsafp.com]
Sent: Wednesday, January 13, 2010 8:40 AM
To: diaz@arrowbldg.com
Subject: RE: Glory Road TT - Change Proposal No. 9B

Good Morning David,

I have reviewed the proposed changes and have come up with an additional cost. We will have to drop 4 pendent Fire Sprinkler Heads from the upright position to the new ceiling height as well as add one new Fire Sprinkler Head in the restroom. The total cost for the change is in the sum of $660.00.

Luis A. Palacios **SET, RME**
President
FIVE STAR AUTOMATIC FIRE PROTECTION
3520 Confederate, El Paso, Texas 79936
Phone: (915) 855-1505
Fax: (915) 855-1706
E-mail: *lpalacios@fsafp.com*

From: David Diaz [mailto:diaz@arrowbldg.com]
Sent: Monday, January 11, 2010 4:22 PM
To: Luis Palacios
Subject: FW: Glory Road TT - Change Proposal No. 9B

Luis,

This is a change for the Glory Road Transit Terminal. Please look it over and see if it affects you.

P.S. I need submittals.

David Diaz

Arrow Building Corporation
6095 Surety Drive
El Paso, Texas 79905

915 778 1147 Office
915 778 5123 Fax
915 637 0635 Cell

From: Matthew Guthrie [mailto:MGuthrie@mijaresmora.com]
Sent: Wednesday, December 23, 2009 5:00 PM
To: mherrera@ecmintl.com; jaime@ecmintl.com
Cc: David Diaz; Guerrero, Gilbert
Subject: Glory Road TT - Change Proposal No. 9B

Mr. Herrera: Please find attached Change Proposal Request No. 9B for the Glory Road Transit Terminal. Included in the attachments are drawings previously issued with Change Proposal No. 9A and advanced copies released for coordination purposes.

Please contact me if you have any questions.

Thanks,

Matthew Guthrie, LEED AP
Mijares-Mora Architects, Inc.
111 N. Festival Dr.
El Paso, Texas 79912
Ph: 915.542.1591
Fx: 915.542.1594
mguthrie@mijaresmora.com
www.mijaresmora.com

Glory Road Transit Terminal Change Proposal 9B Discription	Quantity	Units	Material	Labor	Material & Labor
Type B Delete	4	Each	Incl	Incl	
Type BE Delete	2	Each	Incl	Incl	
Type G Add	5	Each	Incl	Incl	
Type GE Add	3	Each	Incl	Incl	
Lot Price for Change	1	Each	1,688.00	79.02	1,767.02
Motion Sensor	1	Each	Incl	11.43	11.43
4" Deep PVC J-Box	4	Each	7.6	39.18	69.58
1/2" X 6' 3 wire flex tails	2	Each	9.75	26.12	45.62
1st floor Mechanical Power Plan					
AHIU-1 T-Stat and Ckt LD-23					
AHIU-3 T-Stat and Ckt LD-12					
3/4" IMC Conduit	240	Each	0.93	313.44	536.64
3/4" Steel Locknuts	14	Each	0.18	18.29	20.81
3/4" One hole straps	24	Each	0.16	31.35	35.19
#10 THHN copper wire	720	Each	0.15	94.04	202.04
Equipment Connection	2	Each	13.2	84.89	111.29
20amp Single Pole Switch	1	Each	4.2	8.17	12.37
20amp Single Pole Pilot Switch	1	Each	14.9	9.8	24.70
20amp W.P. Switch Plate	1	Each	19.12	9.8	28.92
18/6 PJ T-Stat Wire	90	Each	0.78	8.82	79.02
30amp 3Pole N3R Disc	1	Each	141.12	68.57	209.69
4Sq. Deep Box and Plaster Ring	5	Each	7.6	48.98	86.98
1st floor Special Systems					
Lot Fire Alarm	1	Each	1,675.00	Incl	1,675.00
Pull Stations	3	Each	Incl	Incl	
audio-visuals	3	Each	Incl	Incl	
smoke detectors	4	Each	Incl	Incl	
strobe only	1	Each	Incl	Incl	
Lot Wiring	1	Each	Incl	Incl	
3/4" IMC Conduit	420	Each	0.93	548.52	939.12
3/4" one hole straps	42	Each	0.16	54.86	61.58
3/4" Steel Locknuts	8	Each	0.18	10.45	13.33
4sq. Deep box	4	Each	9.4	32.65	70.25
3/4" Plastic Bushings	8	Each	0.14	10.45	11.57
Pull String	800	Each	0.03	0.003	102.36
2nd floor Electrical Plan					
3/4" IMC conduit	320	Each	0.93	417.92	715.52
3/4" one hole straps	32	Each	0.16	20.9	26.02
3/4" Plastic Bushings	6	Each	0.14	7.84	8.68
30amp 3pole N3R disconnect	1	Each	141.12	68.57	209.69
4sq, deep box with plaster ring	4	Each	9.4	32.65	70.25
#10 THHN copper wire	960	Each	0.15	125.38	269.38
#12 THHN copper wire	740	Each	0.09	72.49	141.31
Sub Total					7,555.36
15% Profit					1,133.30
Total					8,688.66

EL PASO
BESTWAY
CONSTRUCTION
Mechanical Contractors

3030 E. Yandell • El Paso, Texas • 79903 • Ph: (915) 307-3154 • Fax: (915) 566-0114

CHANGE ORDER REQUEST

Date: 1/26/10

Attn: David Diaz – Arrow Building Contractors

Change Order Description: Glory Road Parking Garage – Proposed Plumbing& HVAC Revisions per Architects CPR#9B

Change Order Number: **COP #3**

Plumbing Scope of Work:

- Provide (1) water closet, (1) lavatory, (1) floor drain with trap primer adapter, (1) hose bibb, (1) ball S.O.V. and (1) wall access door; including corresponding waste, water and trim connections.
- Provide & install additional 50 LF of 3" PVC piping, 125 LF of 2" PVC piping, 65 LF of 1" copper piping, 20 LF of 3/4" copper piping, 20 LF of 1/2" copper piping; including associated fittings.
- Provide & install 90 LF of piping insulation and 65 LF of aluminum cover for exposed.
- Provide & install instantaneous water heater.
- Provide & install piping support for additional piping installation.
- Provide trenching, backfill and compaction for additional piping installation below grade.

HVAC Scope of Work:

- Provide & install (1) Air Handling Unit (Indoor) including corresponding ductwork and air devices, (1) Condensing Unit (Outdoor), (1) exhaust fan unit including corresponding ductwork and air devices and relocate existing AHIU-1 to new location.
- Provide & install 500 LF of refrigerant piping and insulation; including the extension of existing refrigerant piping due to relocation of existing condensing units.
- Provide & install 20 LF of condensate drain piping.

***Note: Scope of work includes material, labor and equipment required for installation, per plumbing & HVAC revision.**

Total Change Order Cost: $35,529.00

Architect / Date

Sincerely,
El Paso Bestway Construction & Services

Gen. Contractor / Date

Edward Gardea

Owner / Date

EL PASO
BESTWAY
CONSTRUCTION
Mechanical Contractors
3030 E. Yandell • El Paso, Texas • 79903 • Ph: (915) 307-3154 • Fax: (915) 566-0114

CHANGE ORDER FEE PROPOSAL

PROJECT NAME: GLORY ROAD GARAGE
GEN. CONTR.(GC): ARROW BUILDING
C.O. REQUEST DATE: 8/21/09
CHANGE ORDER NO.: CO#3 - PLBG/HVAC REVISIONS
GC CONTACT: DAVID DIAZ
C.O.SUBMITTAL DATE: 1/22/10

PLUMBING SCOPE OF WORK (CO#3 - 1ST FLOOR RESTROOM ADDITION)

NO.	ITEM DESCRIPTION	REF. DWG/DOC	QTY.	UOM	MATERIAL COST	MATERIAL TOTAL	LABOR COST	LABOR TOTAL	CREW (2 PERS.)	TOT. MAN HOURS	TOTAL
1	ADD WATER CLOSET - F.V. & TRIM	PS-11	1	EA	$220.00	$220.00	$42.67	$170.68	1	4	$390.68
2	ADD LAVATORY (WALL MTD.) - SUPPLIES, STOPS & TRIM	PS-11	1	EA	$595.00	$595.00	$42.67	$170.68	1	4	$765.68
3	ADD FLOOR DRAIN W/ T.P. ADAPTER & A.D.	PS-11	1	EA	$315.00	$315.00	$42.67	$85.34	1	2	$400.34
4	ADD 3" PVC PIPING (SAN/VENT)	PS-11	50	LF	$20.25	$1,012.50	$42.67	$85.34	1	2	$1,097.84
5	ADD 2" PVC PIPING ((SAN/VENT THRU ROOF)	PS-11	125	LF	$19.55	$2,443.75	$42.67	$85.34	1	2	$2,529.09
6	ADD CONDENSATE DRAIN (AHU-1 RELOCATION)	PS-11	20	LF	$18.25	$365.00	$42.67	$85.34	1	2	$450.34
7	ADD 1" COPPER TYPE-L PIPING (ABOVE GRADE)	PS-11	65	LF	$19.55	$1,270.75	$42.67	$170.68	1	4	$1,441.43
8	ADD 3/4" COPPER TYPE-L PIPING (ABOVE GRADE)	PS-11	20	LF	$19.25	$385.00	$42.67	$170.68	1	4	$555.68
9	ADD 1/2" COPPER TYPE-L PIPING (ABOVE GRADE)	PS-11	20	LF	$19.00	$380.00	$42.67	$170.68	1	4	$550.68
10	ADD INSTANTANEOUS WATER HEATER	PS-11	1	EA	$225.00	$225.00	$42.67	$85.34	1	2	$310.34
10	ADD 3" CLEANOUT	PS-11	1	EA	$95.00	$95.00	$42.67	$85.34	1	2	$180.34
11	ADD HOSE BIBB	PS-11	1	EA	$35.00	$35.00	$42.67	$85.34	1	2	$120.34
12	ADD 1-1/2" BALL S.O.V.	PS-11	1	EA	$120.00	$120.00	$42.67	$85.34	1	2	$205.34
13	ADD PIPE INSULATION (EXPOSED PIPE TO RR)	PS-11	90	LF	$9.50	$855.00	$42.67	$85.34	1	2	$940.34
14	ADD ALUM. COVER (EXPOSED PIPE TO RR)	PS-11	65	LF	$15.50	$1,007.50	$42.67	$85.34	1	2	$1,092.84
15	ADD NEW 4" SEWER TAP & ADDITIONAL PIPE	PS-11	25	LF	$11.50	$287.50	$42.67	$170.68	1	4	$458.18
16	TRENCHING, BACKFILL & COMPACTION	PS-11	25	LF	$9.95	$248.75	$42.67	$170.68	1	4	$419.43
					PLUMBING MATERIAL COST:	$9,861					
						PLUMBING LABOR COST:		$2,048			

*NOTES:
1. LABOR COST INCLUDES APPRENTICE & PLUMBER COMBINED.
2. LINE ITEMS 4 THROUGH 9, INCLUDES COST FOR FITTINGS AND SUPPORTS REQUIRED FOR INSTALLATION.
3. LINE ITEM 5 INCLUDES COST FOR EQUIPMENT RENTAL.

PLUMBING MAN HOURS:	48
PLUMBING SUB-TOTAL C.O.COST:	$11,909
O & P:	$1,191
PLUMBING TOTAL C.O. COST:	$13,100

HVAC SCOPE OF WORK (CO#3 - 1ST FLOOR OFFICE & RESTROOM ADDITION)

NO.	ITEM DESCRIPTION	REF. DWG/DOC	QTY.	UOM	MATERIAL COST	MATERIAL TOTAL	LABOR COST	LABOR TOTAL	CREW (2 PERS.)	TOT. MAN HOURS	TOTAL
1	ADD AIR HANDLING UNIT (INDOOR)	PS-11	1	EA	$3,200.00	$3,200.00	$43.75	$175.00	1	4	$3,375.00
2	ADD CONDENSING UNIT (OUTDOOR)	PS-11	1	EA	$1,100.00	$1,100.00	$43.75	$87.50	1	2	$1,187.50
3	ADD EXHAUST FAN UNIT, VENT PIPE, DUCT & WALL CAP	PS-11	1	LS	$525.00	$525.00	$43.75	$175.00	1	4	$700.00
4	ADD REFRIGERANT PIPING INCLUDING INSULATION	PS-11	500	LF	$24.75	$12,375.00	$43.75	$700.00	1	16	$13,075.00
5	ADD SA & RA DUCT, DIFFUSER, GRILLE, FLEX, VD & FD	PS-11	1	LS	$1,250.00	$1,250.00	$43.75	$350.00	1	8	$1,600.00
6	ADD CONDENSATE DRAIN (AHU)	PS-11	20	LF	$18.25	$365.00	$43.75	$87.50	1	2	$452.50
					HVAC MATERIAL COST:	$18,815					
						HVAC LABOR COST:		$1,575			

*NOTES:
1. LABOR COST INCLUDES APPRENTICE & SHEETMETAL WORKER COMBINED.
2. LINE ITEMS 1 THROUGH 6, INCLUDES COST FOR FITTINGS AND SUPPORTS REQUIRED FOR INSTALLATION.
3. LINE ITEM 1 THROUGH 6, INCLUDES COST FOR EQUIPMENT RENTAL.

HVAC MAN HOURS:	36
HVAC SUB-TOTAL C.O.COST:	$20,390
O & P:	$2,039
HVAC TOTAL C.O. COST:	$22,429
GRAND TOTAL HVAC & PLBG. COST:	$35,529