

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

DEPARTMENT: Engineering and Construction Management

AGENDA DATE: February 28, 2012

CONTACT PERSON NAME AND PHONE NUMBER: R. Alan Shubert, P.E., City Engineer (X4423)

DISTRICT(S) AFFECTED: 8

SUBJECT:

That the City Council approves the expenditure of additional available funding in the amount of three hundred sixty three thousand four hundred forty six and 45/100 dollar (\$363,446.45) to CF Jordan Construction, LLC for an additional construction costs for the Oregon Street Rehabilitation project. The change order provide for the removal of unforeseen thickness of concrete and the resulting additional backfill required and the existence in other locations of bed rock at very high elevations requiring the development of a revise cross section, adding forty six (46) days of contract time to contract Number 2010-117. The new contract sum, including this change order is six million three hundred twenty seven thousand sixty six and 12/100 (\$6,327,066.12).

BACKGROUND / DISCUSSION:

While prepping the right-of-way for sub grade on Oregon Street between Yandell and River, the contractor encountered concrete slabs and foundations. This change order will provide for the removal of unforeseen thickness of concrete and the resulting additional backfill required to bring the sub grade to the proposed pavement structure elevations, additional costs of \$302,135.35.

The contractor also encountered bed rock at very high elevations on Oregon between Hague and University requiring the development of a revised cross section to allow the contractor to construct a suitable pavement section without having to excavate the bed rock, additional costs of \$61,311.10.

PRIOR COUNCIL ACTION:

N/A

AMOUNT AND SOURCE OF FUNDING:

Funding source(s) is/are:

\$363,446.45

TxDot Reimbursement 90.6% and 2006 CO's 9.4%

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 Three Hundred Sixty Three Thousand Four Hundred Forty Six and 45/100 Dollars (\$363,446.45) to CF Jordan Construction, LLC for additional construction costs for the Oregon Street Rehabilitation project. The change order provides for the removal of unforeseen thickness of concrete and the resulting additional backfill required and the existence in other locations of bed rock at very high elevations requiring the development of a revised cross section, adding forty six (46) days of contract time to contract Number 2010-117. The new contract sum, including this change order is Six Million Three Hundred Twenty Seven Thousand Sixty Six and 12/100 (\$6,327,066.12).

ADOPTED THIS _____ DAY OF _____ 2012.

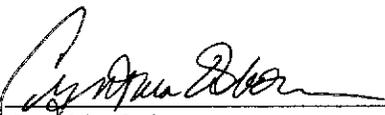
CITY OF EL PASO:

John F. Cook, Mayor

ATTEST:

Richarda Duffy Momsen, City Clerk

APPROVED AS TO FORM:



Cynthia Osborn
Assistant City Attorney

APPROVED AS TO CONTENT

R. Alan Shubert, P.E.
City Engineer

CONSTRUCTION CHANGE ORDER NO.:

8

DATE:

February 15, 2012

SCOPE CHANGE
 CONSTRUCTION CHANGE

PROJECT:

Oregon Street Rehabilitation

SOLICITATION NO.

2010-117

Original Contract Amount: \$ 5,557,431.00
 Net Change by previous Change Orders: \$ 156,516.38
 Net Change by previous Construction Quantity Notices: \$ 249,672.29
 Amount of this Construction Change Order: \$ 363,446.45
 New Amended Contract Amount: \$6,327,066.12
 Change Order Percentage: 8%

Contract Time to Substantial Completion 455
 Total days added due to Change Orders and CQN's 0
 Total days added for this Change Order 46
 New Contract Time to Substantial Completion: 501
 Current Substantial Completion Due Date 5/28/2012

CONTRACTOR NAME:

CF Jordan Construction LLC

Please provide a detailed scope of work of the change order (see back for reason/justification):

While prepping the right-of-way for subgrade on Oregon Street between Yandell and River, the contractor encountered concrete slabs and foundations. The line item for prep of right-of-way calls for removal of obstructions such as foundations, etc.. The contractor has requested additional funds because the soil borings did not indicate the thickness of concrete that was encountered or contemplated under the bid item. The amount of concrete that was encountered was an average 18" thick (7,456 c.y.). Per the plan, the original anticipated removal thickness was 6" (2,485 c.y.) to the bottom of the proposed pavement section. The additional 12" of concrete needed to get removed in order to properly build the pavement structure. The contractor has also encountered bed rock at very high elevations that protrudes into the proposed pavement section on Oregon between Hague and University. The bed rock does not allow for the construction of the proposed cross sections. A new section was developed to allow the cross section to be shallower and include the use of cement treated base (CTB).

CONSECUTIVE CALENDAR DAYS ADDED TO COMPLETION TIME:

46

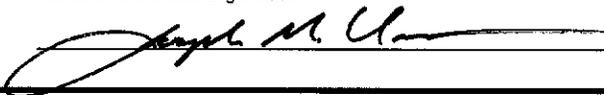
TOTAL CHANGE ORDER AMOUNT:

\$363,446.45

CONTRACTOR

I, JOSEPH M. UREÑO, of C.F. JORDAN, LLC agree and accept the terms and conditions of this change order.

Signature:



Date:

2/16/12

CITY OF EL PASO (OWNER)

I, R. Alan Shubert, P.E., of the City of El Paso hereby authorize and direct the Contractor to proceed with additional work as described in this form.

Signature:

R. Alan Shubert, P.E., City Engineer

Date:

CONSTRUCTION CHANGE ORDER NO.:

8

DATE:

February 15, 2012

SCOPE CHANGE
 CONSTRUCTION CHANGE

PROJECT:

Oregon Street Rehabilitation

SOLICITATION NO.

2010-117

Project Number PCP06ST022B
Class 0
Department 31255002 / 99331117
Fund 05791 / 27263
Account 508027

Project Number 0
Class 0
Department 0
Fund 0
Account 0

PURCHASE ORDER # 2010003477

CONTRACTOR NAME:

CF Jordan Construction LLC

PROVIDE REASON/JUSTIFICATION FOR CHANGE ORDER:

The unforeseen and additional concrete foundations and structures required removal and additional backfill material was required to bring the subgrade to the proposed pavement structure elevation. The implementation of the revised cross section with CTB will allow the contractor to construct a suitable pavement section without having to excavate the bed rock.

CONSECUTIVE CALENDAR DAYS ADDED TO COMPLETION TIME:

46

TOTAL CHANGE ORDER AMOUNT:

\$ 363,446.45

Project Manager recommends approval:

Victoria Rui

Engineering Division Manager recommends approval:

Sam C

Financing Department approval:
(If Required)

Edward August 2-20-2012

Dedicated to Outstanding Customer Service for a Better Community

SERVICE SOLUTIONS SUCCESS



**ENGINEERING & CONSTRUCTION
MANAGEMENT DEPARTMENT**

MEMORANDUM

TO: Joe Hudy, Inspector (via email)
FROM: Mario Cruz, P.E., Civil Engineer
THRU: Sam Rodriguez, P.E., Engineering Division Manager *SR*
DATE: February 14, 2012
SUBJECT: Change Order # 8

Project Information:

Bid Number: 2010-117
Project: Oregon Street Rehabilitation Project
CSJ: 0924-06-313

Purpose of Change Order:

The request for additional quantities is a result of unforeseen conditions. While prepping the right-of-way for subgrade, the contractor encountered concrete slabs and foundations. The line item for prep of right of way calls for removal of obstructions such as foundations, etc. under item 100. The contractor requested additional funds because the soil borings did not indicate the thickness of concrete that was encountered or contemplated under item 100. The amount of concrete that was encountered was an average of 18" thickness (7,456 c.y.). Per the plan, the original anticipated removal thickness was 6" to the bottom of the proposed pavement section

Mayor

John F. Cook

City Council

District 1

Ann Morgan Lilly

District 2

Susie Byrd

District 3

Emma Acosta

District 4

Carl L. Robinson

District 5

Dr. Michiel R. Nce

District 6

Eddie Holguin Jr.

District 7

Steve Ortega

District 8

Cortney Carlisle Niland

City Manager

Joyce A. Wilson

Engineering & Construction Management
Two Civic Center Plaza - 4th Floor · El Paso, Texas 79901
Phone (915) 541-4200 - Fax (915) 541-4222



Dedicated to Outstanding Customer Service for a Better Community

SERVICE SOLUTIONS SUCCESS



(2,485 c.y.). The additional 12" of concrete needed to get removed in order to properly build the pavement structure (4,971 c.y.).

Attachments: photographs of the removal area.

Scope of Change Order:

The additional cost is to remove the 12" (4,971 c.y.) of concrete foundations and structures and backfill of the material to bring the subgrade to the proposed pavement structure elevation.

Independent Cost Analysis:

An independent cost estimate was completed for the removal of 4,971 c.y. of concrete foundations and structures and the backfill of 4,971 c.y. of select fill.

The additional time to be added is 48 calendar days.

Attached is the estimated cost with the back-up of average prices by TXDOT.

Contractor Proposals:

The contractor provided a proposal for the amount of \$302,135.35 at a \$60.77 per c.y. unit price.

Final Recommendations:

The final recommended amount is \$302,135.35 and 46 additional days as it is lower than the estimated price.

Mayor

John F. Cook

City Council

District 1

Ann Morgan Lilly

District 2

Susie Byrd

District 3

Emma Acosta

District 4

Carl L. Robinson

District 5

Dr. Michiel R. Nce

District 6

Eddie Holguin Jr.

District 7

Steve Ortega

District 8

Cortney Carlisle Niland

City Manager

Joyce A. Wilson

CITY OF EL PASO- Engineering And Construction Management
 CHANGE ORDER - INDEPENDENT ANALYSIS



CONTRACT NO: 2010-117
 PROJECT: Oregon Street Rehabilitation CSJ:0924-06-313
 CONTRACTOR: C.F. Jordan
 Change Order No. 8

Detail Estimate					
Description	Qty	Unit	Unit Price	Total Unit Price	Comments/Source
Roadway excavation		4971 cy	\$83.23	\$413,736.33	Based on current TxDot moving Average
Total				\$413,736.33	

Station 36+50 to Station 67+00 = 3050 lf
 Roadway Excavation
 3050 lf X 44 ft roadway X 1.5 ft depth/27 = 7456 CY
 3050 lf X 44 ft roadway X 0.5 ft depth/27 = 2485 CY Contract work
 Extra Work = 4971 CY
 Comments:
 A total of 48 days - those are the numbers added as a result of the equipment that was brought on site as documented.

COMPUTER SECTION

TEXAS DEPARTMENT OF TRANSPORTATION
 AVERAGE LOW BID UNIT PRICES BY DISTRICT
 DISTRICT 24

D19-C

PAGE 1

ITEM NO	DESCRIPTION	UNITS	AUGUST 31, 2011		TWELVE-MONTH-MOVING		USAGE
			QUANTITY	AVG BID	QUANTITY	AVG BID	
100 SERIES							
100 2001	PREPARING ROW	AC					
100 2002	PREPARING ROW	STA	2.600	2,692.30000	6.600	4,090.90606	2
104 2001	REMOVING CONC (PAV)	SY			723.500	2,090.53214	4
104 2009	REMOVING CONC (RIPRAP)	SY			3,349.000	10.00000	1
104 2014	REMOVING CONC (FOUNDATIONS)	CY			1,397.000	14.30923	2
104 2015	REMOVING CONC (SIDEWALKS)	SY			2,000	90.00000	1
104 2017	REMOVING CONC (DRIVEWAYS)	SY			1,344.000	15.00000	2
104 2021	REMOVING CONC (CURB)	LF	30.000	33.00000	1,108.000	10.62274	2
104 2022	REMOVING CONC (CURB AND GUTTER)	LF			560.000	13.75000	2
104 2023	REMOVING CONC (CTB)	LF			1,840.000	10.00000	1
104 2024	REMOVING CONC (RETAINING WALLS)	SY			3,890.000	20.00000	2
104 2028	REMOVING CONC (MISC)	SY			1,657.000	25.00000	1
104 2029	REMOVING CONC (CURB OR CURB & GUTTER)	LF			290.000	8.55000	1
104 2032	REMOVING CONC (WHEELCHAIR RAMP)	SY			27,321.000	4.99202	2
104 2036	REMOVING CONC (SIDEWALK OR RAMP)	SY			45.000	20.00000	1
104 2037	REMOVE CONC (RAIL)	LF			14.000	39.00000	1
104 2040	REMOVING CONC (PAVERS)	SY			3,064.000	19.67363	3
104 2041	REMOVING CONC (GND BOX W/ APRON)	EA			1,175.000	10.00000	1
105 2011	REMOVING STAB BASE AND ASPH PAV (2"-6")	SY			1.000	1,000.00000	1
110 2001	EXCAVATION (ROADWAY)	CY			37.000	55.00000	1
110 2003	EXCAVATION (SPECIAL)	CY			288,641.080	6.86944	4
132 2001	EMBANKMENT (FINAL) (ORD COMP) (TY A)	CY	1,892.000	4.06000	33,588.000	4.37183	6
132 2002	EMBANKMENT (FINAL) (DENS CONT) (TY A)	CY			20,435.000	7.00000	1
132 2006	EMBANKMENT (FINAL) (DENS CONT) (TY C)	CY			348,276.500	3.94207	5
132 2007	EMBANKMENT (FINAL) (ORD COMP) (TY D)	CY			100,834.000	22.51940	3
132 2015	EMBANKMENT (ORIGINAL) (ORD COMP) (TY D)	CY			665.000	5.00000	1
132 2021	EMBANKMENT (VEHICLE) (ORD COMP) (TY C)	CY			275.000	5.00000	1
132 2034	EMB (FNL) (DC) (TYC) (CSBE) (RWALL FND IMPR)	CY			437.000	5.00000	1
134 2001	BACKFILL (TY A)	STA			323.000	15.00000	1
134 2002	BACKFILL (TY B)	STA			159.000	113.60000	1
150 2002	BLADING	HR			53.000	700.00000	1
161 2026	COMPOST MANUF TOPSOIL (BOS OR PB) (6")	SY			342.000	80.00000	2
166 2001	FERTILIZER	AC			300.000	2.30000	1
170 2001	IRRIGATION SYSTEM	LS	3.900	2,764.10000	3.900	2,764.10000	1
192 2004	PLANT MATERIAL (5-GAL)	EA	1.000	17,050.00000	3.000	18,850.00000	3
192 2014	PLANT SOIL MIX	CY	53.000	37.00000	53.000	37.00000	1
192 2017	VEGETATION BARRIER	SY			125.000	50.00000	1
192 2023	PLANT MATERIAL (15 GAL) (TREE)	EA	12,884.000	.80000	37,426.000	1.45575	2
192 2031	PLANT MATERIAL (5 GAL) (SHRUB)	EA			7.000	140.00000	1
192 2038	PLANT MATERIAL (MIN 8' HT) (B&B)	EA	424.000	26.40000	860.000	24.02512	3
192 2042	PLANT MATERIAL (MIN 1" CAL) (B&B)	EA			105.000	220.00000	1
192 2056	PLANT MATERIAL (MIN 6'HT) (BARE ROOT)	EA	30.000	133.00000	110.000	117.36364	3
192 2081	PLANT SOIL MIX (PLANTING SOIL)	CY			60.000	475.00000	1
193 2001	PLANT MAINTENANCE	MO	40.000	150.00000	40.000	150.00000	1
193 2006	VEGETATIVE WATERING	MG	24.000	140.00000	57.000	477.47368	4
193 2007	IRRIGATION SYSTEM OPER AND MAINT	MO	100.000	154.00000	100.000	154.00000	1
193 2017	PLANT REPLACEMENT (20 GAL)	EA	1.000	1,500.00000	19.000	164.21053	2
					12.000	250.00000	1

SiteManager Item Search by Number

Item Nbr Quercus 0104

Date Report:

02/09/2012

Item Category: Earth Work and Landscape

Number of Items 8

\$83.23

County	City	City	City	Subcontractor	Project No.	Accepted Date	Comp Status	Comp Yr	Prime Contractor	Type of Work	Line No.	Rate Code	SR	Item Description	QTY	Unit	Adjusted Bid	Old Price	Qty/Unit	UOM	
BEAUMONT	CHAMBERS	H 10	0730-01-026	0730-01-030	NCL 20040214MES	09/27/2005	CMPL	1993	ANGEL BROTHERS ENTERPRISES, LTD.	OVERLAY	0223	D104-0502		REMOV CONC (PAV)	0.000		358.000	358.000	475.270	CY	
BEAUMONT	CHAMBERS	H 10	0730-01-026	0730-02-132	NCL 20040214MES	09/28/2005	CMPL	1993	ANGEL BROTHERS ENTERPRISES, LTD.	OVERLAY	0503	D104-0502		REMOV CONC (PAV)	0.000		351.110	351.110	345.070	CY	
BROWNWOOD	STEPHENS	LS 180	0011-08-023	0011-08-023	STP 20054709	06/23/2005	CMPL	1993	O. TREWINO CONSTRUCTION, LLC	REHABILITATION OF EXISTING ROAD	0055	D104-0502	000	REMOV CONC (PAV)	2,853.000		2,788.000	518.25	3,850.000	CY	
DALLAS	DALLAS	SH 114	0053-04-046	0053-04-047	STP 20050678FT	11/09/2007	ACTY	1993	ED BELL CONSTRUCTION COMPANY	MISCELLANEOUS CONSTRUCTION	0098	D104-0502		REMOV CONC (PAV)	0.000		140.000	138.25	132.170	CY	
EL PASO	JEFF DAVIS	PI 10	0003-04-046	0003-04-046	IM 10-10234	05/14/2007	ACTY	1993	DON WILLIAMS COMPANY	REHABILITATION OF EXISTING ROAD	0285	D104-0502	000	REMOV CONC (PAV)	43,372.000		3,084.000	46,296.000	58.00	46,296.000	CY
FRANK	NEALSO	PL 258	1889-01-007	0530-02-035	STP 200506	03/04/2008	ACTY	1993	FOREMOST PAVING, INC.	WIDEN ROAD-FREEWAY	0280	D104-0502		REMOV CONC (PAV)	0.000		388.000	38.12	388.000	CY	
WACO	FALLS	SH 6	0049-02-009	0049-02-009	NH120042011	09/22/2005	ACTY	1993	KWIFE RIVER CORPORATION - SOUTH	MISCELLANEOUS CONSTRUCTION	0120	D104-0502	000	REMOV CONC (PAV)	28,046.000		5.000	28,046.000	111.83	28,046.000	CY
WACO	HILL	SH 206	0046-09-023	0046-09-023	BOR 2001(818)	08/24/2010	ACTY	1993	KWIFE RIVER CORPORATION - SOUTH	MISCELLANEOUS CONSTRUCTION	0070	D104-0502	000	REMOV CONC (PAV)	23,114.000		8.000	23,114.000	845.00	23,114.000	CY

1-19-12
CURRENT PROPOSAL

CF Jordan Construction LLC																			
Project: S-10106 Oregon Street Rehabilitation																			
Change: UNFORESEEN CONDITIONS AT PHASE IA, IB and II (concrete slabs, concrete foundations, wood ties, trolley steel tracks)																			
CATEGORY			PHASE IA			PHASE IB			PHASE IB			PHASE II		PHASE III & IVA		TOTALS			
Stations			67+00 to 66+00			66+00 to 62+75			62+75 to 57+26			57+26 to 49+00		49+00 to 36+50					
Depth Ft (Avg)			15"			24"			16"			11"		10"					
Removed area			684 sy			744 sy			1220 sy			1075 sy		1123 sy					
EQUIPMENT	UNIT	RATE	QTY		QTY		QTY		QTY		QTY		QTY						
* Excavator with demo attachment	DAY	\$ 1,484.00	5	\$	7,420.00	5	\$	7,420.00	10	\$	14,840.00	20	\$	29,680.00	8	\$	11,872.00	\$	71,232.00
Excavator with demo attachment (stand by)	DAY	\$ 740.00	0	\$	-	0	\$	-	0	\$	-	0	\$	-	0	\$	-	\$	-
* Rubber tire loader	DAY	\$ 1,138.00	3	\$	3,414.00	5	\$	5,690.00	10	\$	11,380.00	20	\$	22,760.00	8	\$	9,104.00	\$	52,348.00
* Excavator 330	DAY	\$ 1,200.00	0	\$	-	5	\$	6,000.00	10	\$	12,000.00	20	\$	24,000.00	8	\$	9,600.00	\$	51,600.00
Equipment mobilization	EA	\$ 250.00	0	\$	-	0	\$	-	0	\$	-	0	\$	-	0	\$	-	\$	-
Tax on rental equipment				\$	976.51		\$	889.29		\$	1,379.00		\$	1,843.67		\$	460.92	\$	5,349.39
EQUIPMENT				\$	11,810.51		\$	19,799.29		\$	39,599.00		\$	78,283.67		\$	31,636.92	\$	180,529.39
EXCAVATION	LOAD	\$ 120.00	22	\$	2,640.00	96	\$	11,520.00	101	\$	12,120.00	172	\$	20,640.00	20	\$	2,400.00	\$	49,709.00
COMPACTED BACKFILL	CY	\$ 13.00	342	\$	4,446.00	578	\$	7,514.00	610	\$	7,930.00	687	\$	8,931.00	312	\$	4,056.00	\$	32,877.00
Considered as PI # 8-132-2002																			
SUBTOTALS				\$	18,896.51		\$	38,833.29		\$	59,649.00		\$	107,854.67		\$	37,492.92	\$	262,726.39
SUBCONTRACTOR MARKUP	LS	15%		\$	2,834.48		\$	5,824.99		\$	8,947.35		\$	16,178.20		\$	5,623.94	\$	39,408.96
Section Total:				\$	21,730.99		\$	44,658.28		\$	68,596.35		\$	124,032.87		\$	43,116.86	\$	302,135.35

NOTE: Equipment rates include: Rental equipment, Operator, Spotter, Supervision, Fuel, Lubricants and maintenance.

#700 K-9



ENGINEERING & CONSTRUCTION
MANAGEMENT DEPARTMENT

MEMORANDUM

TO: Joe Hudy, Inspector (via email)
FROM: Victoria Ruiz, Project Manager VR
THRU: Sam Rodriguez, P.E., Engineering Division Manager
DATE: January 23, 2012
SUBJECT: Change Order #7⁸ (8" CTB and 9" CTB)

Project Information:

Project Number: CM 2009(243)
Project: Oregon Street Reconstruction
CSJ: 0924-06-313

Purpose of Change Order:

The contract has encountered bed rock at very high elevation and protrudes into the proposed pavement section. The bed rock does not allow for the construction of the proposed cross sections noted in exhibit A.

Scope of Change Order:

A new section was developed to allow the cross section to be shallower and include the use of cement treated base (CTB). There are two proposed section and both will be determined in the field. The price for the CTB is being preapproved for the 9" and 8" section. All other layers in the cross section have established unit prices. Where the new section is used, the

Mayor
John F. Cook

City Council

District 1
Ann Morgan Lilly

District 2
Susie Byrd

District 3
Erma Acosta

District 4
Carl L. Robinson

District 5
Dr. Michiel R. Noe

District 6
Eddie Holguin Jr.

District 7
Steve Ortega

District 8
Cortney Carlisle Niland

City Manager
Joyce A. Wilson

Dedicated to Outstanding Customer Service for a Better Community

SERVICE SOLUTIONS SUCCESS



quantities will be deducted for the line items in the cross section that is currently in the contract. A price for the 8" and 9" layer of CTB was requested from the contractor. Alternate Sections are detailed in Exhibit B.

Revised Independent Cost Analysis:

The cost estimate completed by: Sam Rodriguez, P.E on October 17, 2011 , 8" and for the 9" section has been revised to reflect the review comment #2 from your office dated Nov. 4, 2011. The new CTB unit prices will be \$18.89/SY and \$21.53/SY respectively. See attached cost analysis.

No additional days will be added in this request.

Attached are the estimated costs with the backup of pricing in Exhibit C

Contractor Proposals:

1st Proposal:

The 1st proposal from CF Jordan was submitted on was received on October 12, 2011. The price for 8" CTB is \$17.00/sy and for 9" CTB is \$19.00/sy. The final quantities are to be determined in the field after the final exposure of subgrade and bed rock.

Final Recommendations:

The proposed prices by the contractor of \$17 per sy for 8" CTB and \$19 per sy for 9" CTB are still below calculated unit prices.

No additional days were requested or granted.

Mayor
John F. Cook

City Council

District 1
Ann Morgan Lilly

District 2
Susie Byrd

District 3
Emma Acosta

District 4
Carl L. Robinson

District 5
Dr. Michiel R. Noe

District 6
Eddie Holguin Jr.

District 7
Steve Ortega

District 8
Cortney Carlisle Niland

City Manager
Joyce A. Wilson

Change Order Review Comments

November 4, 2011

City of El Paso:

Project Number: CM 2008(893)

Project: Oregon Street Rehabilitation project

CSJ: 0924-06-313

Change Order # 7 a

Reason: New roadway structure Design due to bedrock encountered in roadway

PM: Victoria Ruiz

Contract Price: \$5,557,431.00

CO Amount: \$ No cost

CO Percent of Contract: 0.00%

Type of Review: initial Review

Received Date: 10/19/2011

Started Review Date: 10/28/2011

Comments & Requests

1. The Change order has included a memo describing the proposed new roadway design due to bedrock was encountered from New York channel to Schuster. There are two item quantities added in this change order.
2. The City of El Paso has included there own analysis with a cost analysis for the proposed new roadway design. The El Paso TxDOT State wide average bid unit prices has been included to the cost analysis. **The analysis has two roadway design items with unit prices although the analysis has added overhead and profit to the state units cost. This is not needed because the price is lower than the contractors proposed unit cost. The state average has overhead and profit already included. The units are also different, SY and Tons and is unclear the correlation for the price. An added conversion/ calculation sheet is included with comments.** (See Memo dated Jan. 23, 2012 and revised cost analysis)
3. Contractors Cost Proposal submitted has no quantities due to the quantities are unknown at this time.
4. Typical sections have been added to the change order documents to help clarify the proposed cross-sections. Pictures of the area where the needed work have been added.

In principle TxDOT agrees with the need for this change order although these above comments in bold need to be addressed for reimbursement approval.

November 4, 2011.

Please call me if you have any questions @ 915 790-4295.

Finished Review

Recommend approval

Recommend disapproval

Reviewed by Joseph W. Hudy

CITY OF EL PASO- Engineering And Construction Management
 CHANGE ORDER - INDEPENDENT ANALYSIS



CONTRACT NO: 2010-117
 PROJECT: Oregon Street Rehabilitation
 CONTRACTOR: C.F. Jordan
 Change Order No. 7(a)

Detail Estimate						
Description	Qty	Unit	Unit Price	OH & Prof 15%	Total Unit Price	Comments/Source
8-in Plant Mix Cement Treated Base Type L (0.36 ton)	TBD	SY	\$16.43		\$2.46	\$18.89 *TXDOT average bid price= 52.50/Ton (Item 276-2122 Attach A)
9-in Plant Mix Cement Treated Base Type L (0.41 ton)	TBD	SY	\$18.72		\$2.81	\$21.53 *TXDOT average bid price=52.50/Ton (Item 276-2122 Attach A)

*Using TXDOT Unit weight used to convert Tons to SY=120 lb/cf

Amended Unit Prices

TOTAL

Comments:				
	Unit	Unit Price	OH & Profit 15%	Total Unit Price
TXDOT State Avg. Low Bid	Ton	\$45.65	\$6.85	\$52.50
Supplier Cost (Jobe):	Ton	\$30-\$36	Material Only	

AVERAGE LOW BID UNIT PRICE - CONSTRUCTION - STATEWIDE
3 MONTH MOVING AVERAGE

Item	Description	Units	July 31, 2011		Three Month Moving		Usage
			Quantity	Avg. Bid	Quantity	Avg. Bid	
0275 2031	CEMENT TREAT (NEW BASE) (10")	SY	15,244.87	\$0.17	20,400.87	\$0.81	2
0275 2038	CEMENT TREAT (EXIST MATL)(DC)(8")	SY	172,298.00	\$0.94	172,298.00	\$0.94	3
0275 2042	CEMENT TREAT (NEW BASE) (DC) (9")	SY			1,942.70	\$3.00	1
0275 2044	CEMENT TREAT (NEW BASE)(3" - 42")	SY	689.00	\$25.00	689.00	\$25.00	1
0275 2046	CEMENT TREAT (NEW BASE)(11")	SY			2,564.00	\$1.00	1
0275 2055	CEMENT TREAT (EXIST MATL) (DC) (9")	SY			41,275.00	\$0.95	1
0275 2060	CEMENT TREAT (EXIST MATL)(DC)(6")	SY	78,691.00	\$1.42	78,691.00	\$1.42	1
0275 2061	CEM TRT (MX EXT MTL/NW BASE)(DC)(10")	SY			96,579.00	\$2.07	1
0275 2063	CEMENT TREAT (SUBGRADE)(10")	SY			16,289.00	\$1.40	1
0275 2066	CEMENT TREAT (EXIST MATL)(DC)(11")	SY			263,482.00	\$1.04	1
0275 2071	CEM TRT (MX EXST & NW BS MTL)(DC)(8")	SY	107,571.00	\$1.83	107,571.00	\$1.83	1
0275 2073	CEM TRT (EXIST MATL)(STR-O)(DC)(15")	SY	284,485.00	\$2.02	284,485.00	\$2.02	1
0275 2075	CEMENT TREAT(NEW BASE)(9")	SY			1,766.00	\$1.00	1
0275 2087	CEM TRT (MX EXST MTL & NEW BS) (9"-13")	SY			29,253.00	\$1.98	1
0275 2090	CEMENT TREAT (NEW BASE) (24")	SY	216,769.79	\$0.40	216,769.79	\$0.40	1
0276 2108	CM TRT(PT MX)(CL N)(TY D)(GR 4)(FN POS)	CY			2,435.00	\$50.00	1
0276 2112	CM TRT(PT MX)(CL N)(TY E)(GR 4)(FN POS)	CY	73,837.00	\$22.00	73,998.00	\$22.16	2
0276 2122	CEM TRT(PLNT MX)(CL N)(TY C)(GR 2)	TON			60.00	\$52.50	2
0276 2220	CEM TRT(PLNT MX) (CL N)(TY D)(GR 4)(6")	SY	47,748.00	\$9.00	47,748.00	\$9.00	1
0276 2224	CEM TRT(PLNT MX) (CL N)(TY E)(GR 4)(6")	SY	#####	\$6.97	2,370,499.00	\$5.36	7
0276 2225	CEM TRT(PLNT MX)(CL N)(TY D)(GR4)(12")	SY	70,314.00	\$18.61	70,314.00	\$18.61	1
0276 2238	CEM TRT(PLNT MX)(CL N)(TY E)(GR 4)(12")	SY	8,813.00	\$16.50	8,813.00	\$16.50	1
0276 2240	CEM TRT(PLNT MX)(CL N)(TY E)(GR 4)(10")	SY			3,252.00	\$19.65	1
0276 2281	CM TRT(PT MX,CLN,TYD,GR4)(FN POS)(OPT1)	CY			3,333.00	\$49.90	1

Exhibit C



7700 C. F. Jordan Dr.
El Paso, TX 79912
P: 915.877.3333
F: 915.877.3999

A FOUNDATION OF EXCELLENCE

November 21, 2011

Ms. Victoria Ruiz
Project Manager
City of El Paso
2 Civic Center Plaza, 4th Floor
El Paso, TX 79901

RE: Oregon St. Rehabilitation - Cement Treated Base - Oregon - Hague to Blanchard

Ms. Ruiz:

CF Jordan Construction submits pricing herein for the approved use of cement treated base on the above referenced project. Cement treated base was used on Oregon St from approximately sta. 29+78 to 23+75. Per our correspondence on October 12, 2011, the 9 inch cross section would be \$19.00/SY.

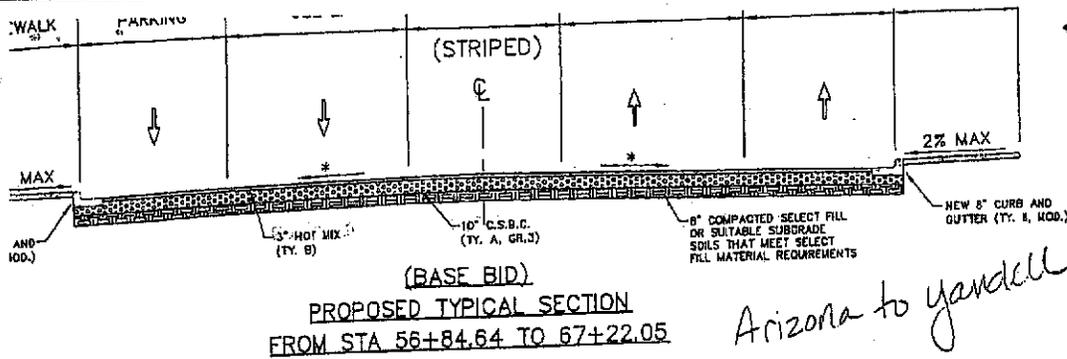
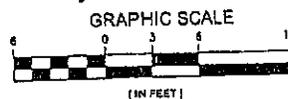
DESCRIPTION	PRICE	UNIT	TOTAL
Supplemental Cross Section - 9" CTB STA. 29+78 to 23+75	\$ 19.00	2,806 SY	\$ 53,314.00
SUBTOTAL PROPOSAL AMOUNT:			\$ 53,314.00
MARKUP 15%			\$ 7,997.10
TOTAL PROPOSAL AMOUNT:			\$ 61,311.10

Should you have any further questions, please do not hesitate to call our office at 915-877-3333.

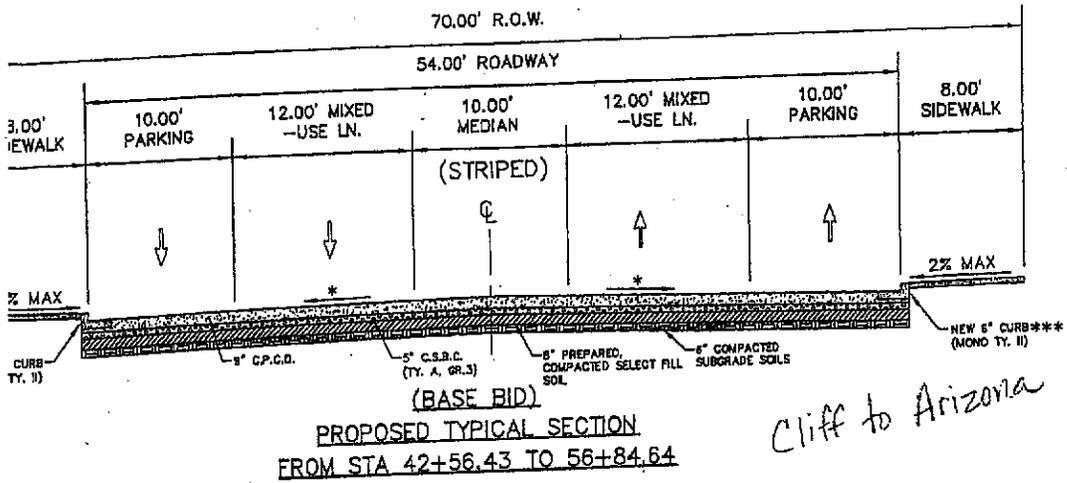
Sincerely,

Aaron Archer
Project Manager

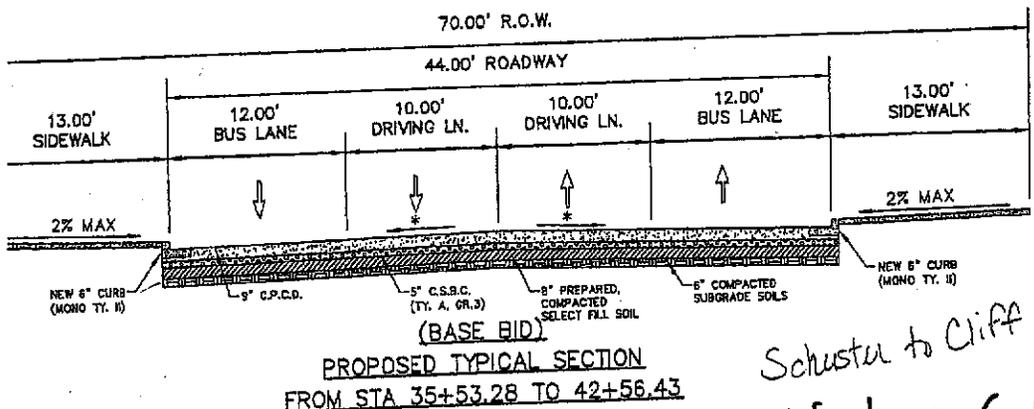
Exhibit A



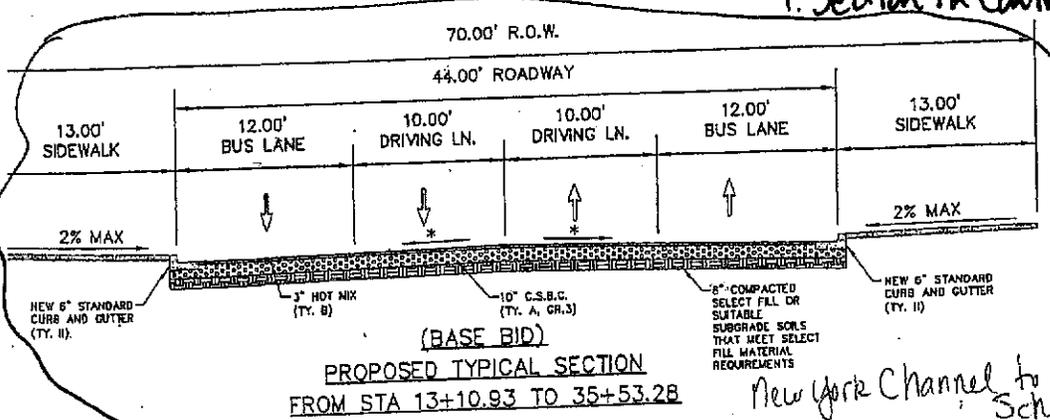
Arizona to Yandell



Cliff to Arizona



Schuster to Cliff
1. Section in Contract.



New York Channel to Schuster



ENGINEER'S SEAL BLOCK
 TEXAS REGISTERED ENGINEERING FIRM F-4564

11-18-09

Texas Department of Transportation
 EL PASO DISTRICT

cea
 group
 engineers • architects • planners

**OREGON STREET
 REHABILITATION**

TYPICAL CROSS SECTIONS

SHEET 1 OF 1

FED. RD.	FEDERAL AID PROJECT NO.	SHEET
6	STP 2008 (893) MW	13
STATE	DIST.	COUNTY
TEXAS	ELP	EL PASO
CONT.	SECT.	JOB
0924	06	313
		HIGHWAY NO.
		CS (OREGON ST.)



Casler Center @ Transmountain
4712 Woodrow Bean, Ste. F
El Paso, TX 79924
Office: 915.544.5232
Fax: 915.544.5233
web: www.ceagroup.net

September 30, 2011

City of El Paso
Engineering Department – 4th Floor
Two Civic Center Plaza
El Paso, Texas 79901

Attention: Victoria Ruiz

Reference: Oregon Street Rehabilitation
Supplemental Pavement Section

Dear Ms. Ruiz:

As previously discussed, attached are two alternative pavement sections that may be utilized for Phase V and VI in order to assist in expediting the construction of the roadway due to the variable shallow rock that was encountered during the potholing activities conducted by the Contractor and observed by CQC on September 1, 2011. These potholes were taken along Oregon St. between Blanchard St. and Hague St. and revealed bedrock ranging from 12-inches to approximately 36-inches from existing pavement elevations.

The two alternative pavement sections were developed in order to minimize the depth of the pavement section. It is our recommendation that the Contractor provide a unit cost associated for the items not already accounted for in order to further evaluate the cost benefit prior to implementation.

If you have any questions regarding this issue, please do not hesitate to call me at 915.544.5232, or email at fcorral@ceagroup.net.

Sincerely,
CEA Group

A handwritten signature in black ink, appearing to read 'Frank A. Corral', is written over the typed name.

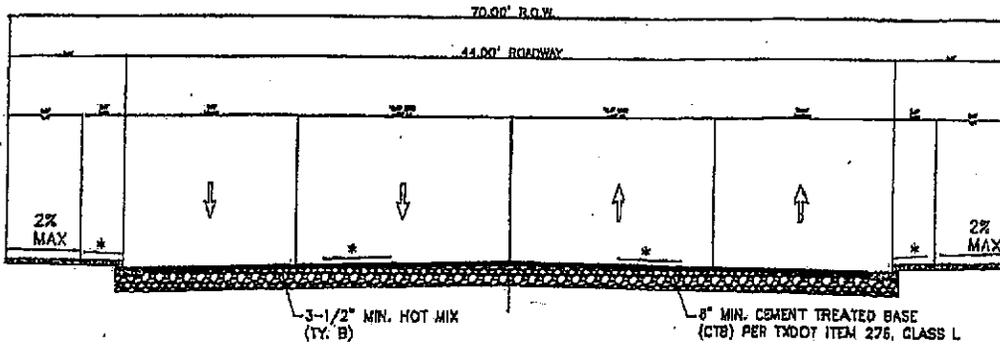
Frank A. Corral, P.E.
Project Manager

Enclosures

1010-010-vr-all-pavement sections-09-30-11.doc

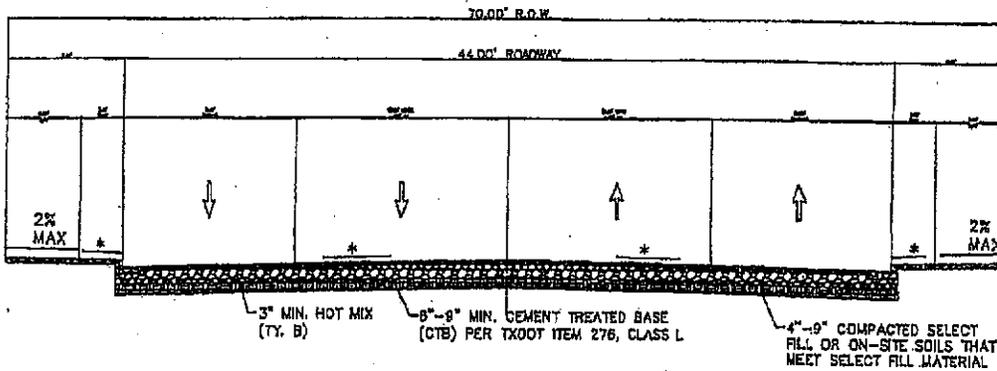
FC/lc

①

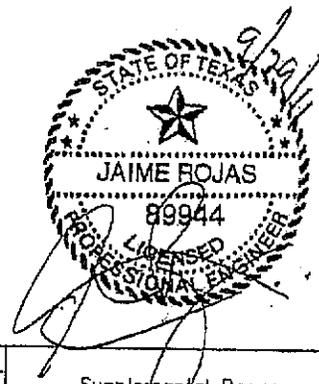


**RECOMMENDED PAVEMENT SECTION
WHERE BEDROCK IS ENCOUNTERED
SHALLOWER THAN 12"**

②



**RECOMMENDED PAVEMENT SECTION
WHERE BEDROCK IS ENCOUNTERED
BETWEEN 12" TO 21"**



construction quality control

8032 Commercial, Suite A
El Paso, Texas 79905
PH: 915-771-2700 FAX: 915-771-2705

PROJECT No. AGCQCD8-068

CHECK BY G.H.

APPD. BY J.R.

SCALE N.T.S.

No.	Revision Description	By
Δ		

Supplemental Recommended
Pavement Sections
City of El Paso - Oregon Street
Rehabilitation Project
El Paso, El Paso County, Texas

DATE: 9/27/11

Sheet 1

Exhibit B- Alternate Section