

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

DEPARTMENT: Engineering and Construction Management

AGENDA DATE: May 13, 2014

CONTACT PERSON NAME AND PHONE NUMBER: Irene D. Ramirez, P.E., Interim City Engineer, 212-1831
Jay Banasiak – Sun Metro Director, 534-5810

DISTRICT(S) AFFECTED: 1, 8

SUBJECT:

That the City Council approves the expenditure of additional available funding in the amount of Five Hundred Fifty Four Thousand Five Hundred Thirty Eight and 05/100 Dollars (\$554,538.05) to Martinez Bros. Contractors, LLC, for additional construction costs for the Mesa Corridor RTS, Solicitation No. 2013-011. The change order provides for the installation of additional electrical items, including dimmer models, at each of the twenty bus shelters to enhance illumination, adding fifteen (15) days of contract time to contract number 2013-011. The new contract sum, including this change order is Ten Million Six Hundred Sixty Six Thousand Eight Hundred Eighty Eight and 38/100 (\$10,666,888.38).

BACKGROUND / DISCUSSION:

The Mesa RTS corridor is the first of four RTS corridors. It was expected that changes and modifications to the design would be needed once construction started since this is the first corridor and will determine the appearance of the stations for future corridors. The lighting designed for the station was adequate, but the proposed lighting will greatly enhance the visibility of the stations, improve safety for both passengers and drivers, and provide better illumination for those using the station.

This change order includes additional LED lighting at 20 RTS stations as well as dimmer switches to be able to control the lighting after hours when the RTS service is not running.

PRIOR COUNCIL ACTION:

City Council awarded contract number 2013-011 on April 9, 2013.

AMOUNT AND SOURCE OF FUNDING:

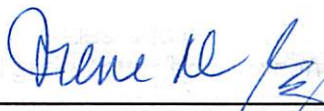
Total estimated amount \$554,583.05 Federal Transit Administration and 2011 Certificates of Obligation

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 Five Hundred Fifty Four Thousand Five Hundred Thirty Eight Dollars and 05/00 (\$554,538.05) to Martinez Bros. Contractors, LLC, for additional construction costs for the Mesa Corridor RTS, Solicitation No. 2013-011. The change order provides for the installation of additional electrical items, including dimmer modules, at each of the twenty bus shelters to enhance illumination, adding fifteen (15) days of contract time to contract number 2013-011. The new contract amount, including this change order is Ten Million Six Hundred Sixty Six Thousand Eight Hundred Eighty Eight Dollars and 38/00 (\$10,666,888.38).

ADOPTED THIS _____ DAY OF _____ 2014.

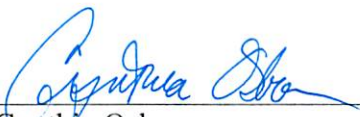
CITY OF EL PASO:

Oscar Leeser
Mayor

ATTEST:


Richarda Duffy Momsen
City Clerk

APPROVED AS TO FORM:



Cynthia Osborn
Assistant City Attorney

APPROVED AS TO CONTENT:



Irene D. Ramirez, P.E.
Interim City Engineer

CITY OF EL PASO CONSTRUCTION CHANGE ORDER

CONSTRUCTION CHANGE ORDER NO.:

1

DATE:

April 17, 2014

☐ SCOPE CHANGE

PROJECT:

Sun Metro RTS Mesa Project

SOLICITATION NO.

2013-011

☒ CONSTRUCTION CHANGE

Original Contract Amount: \$ 9,843,770.57

Contract Time to Substantial Completion 330

Net Change by previous Change Orders:

Total days added due to Change Orders and CQN's 0

Net Change by previous Construction Quantity Notices: \$ 268,579.76

Total days added for this Change Order 15

Amount of this Construction Change Order: \$ 554,538.05

New Contract Time to Substantial Completion: 345

New Amended Contract Amount: \$10,666,888.38

Current Substantial Completion Due Date 5/29/2014

Change Order Percentage: 8.36%

CONTRACTOR NAME:

Martinez Brothers Contractors LLC.

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

This change will install and run all electrical items needed for enhanced illumination through added LED lighting to those from original design on each of the twenty bus shelters. In addition to the lighting, and extra electrical components, dimmer modules will be installed to the lighting systems.

CONSECUTIVE CALENDAR DAYS ADDED TO COMPLETION TIME:

15

TOTAL CHANGE ORDER AMOUNT:

\$ 554,538.05

CONTRACTOR

I, _____, of _____ agree and accept the terms and conditions of this change order.

Signature: _____

Date: _____

CITY OF EL PASO (OWNER)

I, Irene Ramirez, 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: _____

Date: _____

Irene Ramirez, P.E., Interim City Engineer

CITY OF EL PASO CONSTRUCTION CHANGE ORDER- Pg. 2

CONSTRUCTION CHANGE ORDER NO.: 1 DATE: April 17, 2014

PROJECT: Sun Metro RTS Mesa Project SOLICITATION NO. 2013-011

0	SCOPE CHANGE
X	CONSTRUCTION CHANGE

Project Number PCP09CMP0020 Project Number 0 PURCHASE ORDER # 1300000561

Class 28300 Class 0

Department 190 Department 0

Fund 3350 Fund 0

Account 580160 Account 0

CONTRACTOR NAME: Martinez Brothers Contractors LLC. \$0.00

PROVIDE REASON/JUSTIFICATION FOR CHANGE ORDER:

This change presents short term and long term benefits to the project. Installing all electrical elements at this time will be more cost effective and will prevent unnecessary construction activity to the site when it becomes fully operational. The added electrical components will have to be run through the members of the structures, if done at a later date, these member will need to be cut, re-wired, and repainted causing public disruption and service interruption on all the station. The added lights increase visibility for passengers within the station and enhances the visibility of the station to the drivers for added safety in the evening hours.

CONSECUTIVE CALENDAR DAYS ADDED TO COMPLETION TIME: 15 TOTAL CHANGE ORDER AMOUNT: \$ 554,538.05

Project Manager recommends approval: _____

Engineering Division Manager recommends approval: _____

Financing Department approval: _____
(If Required)

REQUEST FOR PO INCREASE/DECREASE FOR CHANGE ORDER

1

DATE:

April 17, 2014

X

INCREASE

Sun Metro RTS Mesa Project

SOLICITATION NO.

2013-011

DECREASE

PCP09CMP0020

28300

PURCHASE ORDER #

1300000561

190

3350

580160

Account 580160

Account 580160

Account 580160

Martinez Brothers Contractors LLC.

\$0.00

AS A RESULT OF THIS CHANGE ORDER, PLEASE MAKE THE FOLLOWING ADJUSTMENT TO THE PURCHASE ORDER:

ADDED AMOUNT

TOTAL NET CHANGE TO
PURCHASE ORDER

0

(should match cost below)

Additional funding/direction:

TOTAL CHANGE ORDER AMOUNT: \$554,538.05

Project Manager

Engineering Division Manager recommends approval:

Contract Compliance



To: City of El Paso
222 S Campbell, 2nd Floor
El Paso, Texas 79901

Project Name: Mesa Corridor RTS

Date: 02/13/2014

Proposal Request No.8 – Barrel Roof and Canopy Shelter LED Lighting

As requested by the City of El Paso and Sun Metro, Martinez Brothers Contractors LLC formally submits the proposal as requested for review and approval.

The attached proposal includes all materials, equipment, labor and design to complete this task as seen on our attached proposal.


In addition we are requesting **15 days** be added to the contract due to design changes.

- Barrel Roof LED Lighting..... \$137,207.00
- Canopy Shelter Side Panel LED Lighting..... \$336,000.00
- Dimmer Modules.....\$ 9,000.00

Sub Total..... \$ 482,207.00
15% OH & P..... \$ 72,331.05

Total..... \$554,538.05

- Original contract price for the Side Light Fixture was \$61,886.00
- Percentage increase of 896%



Rene Aguilar, Project Manager

02/13/2014

Date

Reviewed By Date

Approved By Date

QUOTE



6006 N MESA ST
SUITE 800
EL PASO, TX 79912

Name / Address	Date	Estimate #
Customer: Martinez Bros.	10/21/2013	
Address: 5875 Cromo Dr		
Address: El Paso, TX 79912		
Phone: 915-584-3900		

		Sales Rep.	Project
		EB	Brio Add ons
Quantity	Description	Unit Price	Total Price
10	Canopy include- LEDs, diffuser stand fixture, power supplies, and installtion up to breaker panel		
9	6' x 46'	\$6,860.00	\$ 68,600.00
	9' x 46'	\$7,623.00	\$ 68,607.00

Sub Total	\$ 137,207.00
Tax Exempt	
Total	\$ 137,207.00

APPROVED:

Signature: _____ Date: _____

QUOTE



6006 N MESA ST
SUITE 800
EL PASO, TX 79912

Name / Address	Date	Estimate #
Customer: Martinez Bros.	10/21/2013	
Address: 5875 Cromo Dr		
Address: El Paso, TX 79912		
Phone: 915-584-3900		

		Sales Rep.	Project
		EB	Brio Add ons
Quantity	Description	Unit Price	Total Price
10	Sides include- insdie covers with signabond grey, stainless steel caps, ghost white Lexan, power supplies, and installtion up to breaker panel		
10	6' x 46'	\$16,000.00	\$ 160,000.00
10	9' x 46'	\$17,600.00	\$ 176,000.00

Sub Total	\$ 336,000.00
Tax Exempt	
Total	\$ 336,000.00

APPROVED:

Signature: _____ Date: _____



December 19, 2013

Martinez Bros Contractors, LLC
5875 Cromo Dr. Ste. 200
El Paso, TX 79912

Project: Mesa Corridor Rapid Transit System
Project Number: Solicitation No. 2013-011

RE: Additional Cost for dimmers and controls

Dear Mr. Larry Aguilar

There are three options:

OPTION 1

This is the easy way for maintenance and operations it consist of 1. Skipper timer and 1.- Turn key dimming modular. You can turn on at 100% intensity at 6:00 PM and turn off at 10:00 PM. Turn on at 80% at 10:01 PM and turn off at 6:00 AM. There is one time the only maintenance is to adjust the clock every season time change.

OT701817 Dimming module and T1900 Timer.....\$450.00 Per Shelter.
This price includes installation a programming, it does not cause cost impact in the Tri-State job.

OPTION 2

Automatic control this option consist on 1 Sloan Dimming and a control panel (Room Controller) The advantage of this is world clock, multifunctional areas it is very easy control all the lights of big buildings like conventions centers, churches and restaurant all the locations in one building.
The disadvantage is each shelter is like one building and we need 1 control per shelter. The other is the high cost and the change of season time changes.

Stella panel with dimmers modules, and RAC installation and programming.....\$2,800.00 Per Shelter
It does not cause cost impact in the Tri-State job.

WI-FI INTERFACE ADD-ON OPTION 2

Wi-Fi interface with software programming Virtual RCS software for PC or Pocket PC.....\$650.00 Per Shelter.
This price includes installation a programming, it does not cause cost impact in the Tri-State job.

Thank you,

Emilio Banda
President
ARS, Inc.

6006 N. Mesa Ste. 800
El Paso, TX 79912
(915) 503- 2993



10 April 2014

Mr. Rick Mojica
ECM International Inc
404 Executive Center Blvd
San Antonio, Texas 79902

Re: Canopy Shelter LED Lighting

Dear Mr. Mojica :

Carl Daniel Architects (CDA) has reviewed the cost proposal for the Barrel Vault LED Lighting, Canopy Side Panel Lighting and Dimmer Modules. The submittal does not include the information on the light box that will be constructed to achieve the new lighting effect, however Emilio Banda has been in my office and reviewed the details for construction for this proposed change.

We understand the changes also include the layer of white lexan and the aluminum omega board to form a light box at the 3-Form fascia panel (see attached sketch). We also understand the cost includes new dimmers and additional power connections. The total Change Order is \$554,538 which equates to approximately \$26,406 per station.

We have seen the effect that this new lighting scheme produces in the mockup and Emilio has also shown us photos of some of the work in progress.

Therefore we take no exception to the proposed cost change LED Lighting and Dimmer and look forward to seeing these new Rapid Transit Stations.

Sincerely,

A handwritten signature in black ink, reading 'Carl V. Daniel, Jr.', written over a horizontal blue line.

Carl V. Daniel, Jr., AIA, NCARB, LEED AP, CNU-a

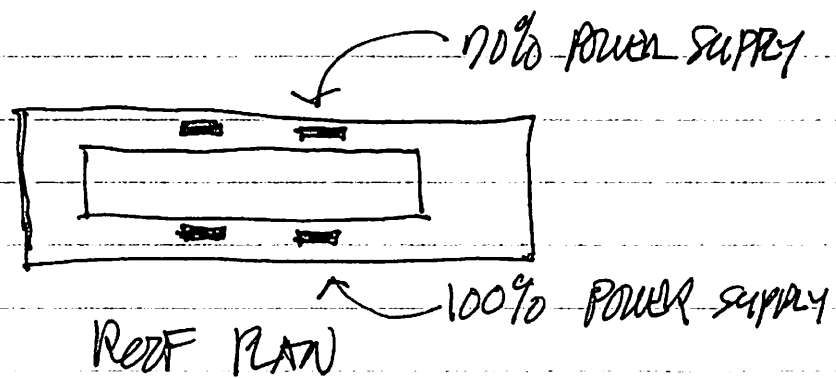
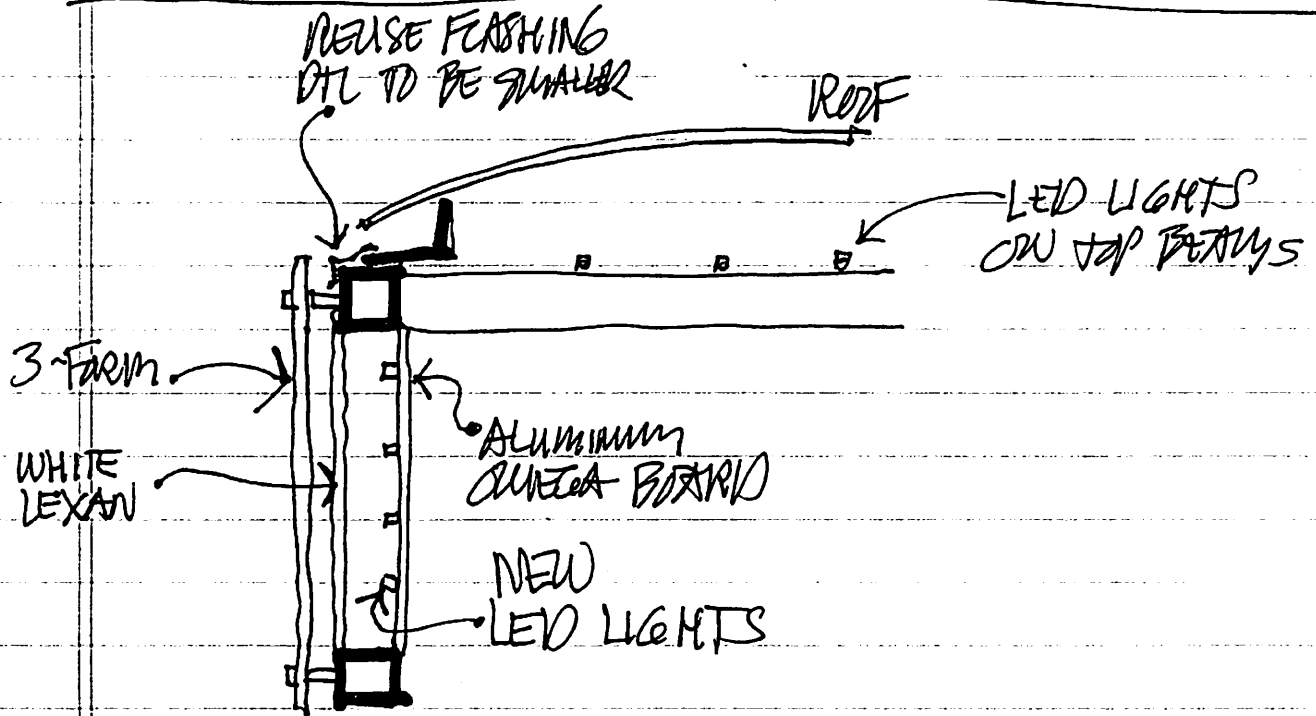
CVD/hr

2010-10/ C.O.
c: Richard Camero

2 APRIL 2014

MEETING W/ EMILIO BANDA 929-9592

7010-28/PIMAT



1. Discussed Revised spec for 3-Farm
2. Received cut sheets on new LED lights

Original Design



Enhanced Design





Sun Metro Mesa Rapid Transit System



Project Background

- **Mesa RTS Corridor is first of four RTS Corridors**
- **This corridor determines appearance of stations for future corridors**
- **Expected that changes to stations and other construction aspects would be needed once construction started**
- **Initial spec for LED emits low levels of lighting; proposed lighting enhances levels to improved safety, visibility and appearance, with adjusting capability per station location**



Original Design





Original Design





Enhanced Design





Enhanced Design



Enhanced vs. Original





Change Order

- Assures:
 - Optimal lighting through redesign not only for this corridor but for all future RTS corridors
 - Savings now during construction rather than having to reformat each station later for the additional electrical components
 - Maximum visibility for RTS riders, RTS drivers, regular drivers, and pedestrians



Cumulative Project Costs

Total Project Budget (Includes buses, construction, marketing, engineering, equipment, etc.)	\$27,080, 000.00
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Total Construction Budget	\$10,827,813.70
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Current Contract Amount	\$9,843,770.57
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Amount of this Construction Change Order	+ <u>\$554,538.05</u>
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Requested Amended Contract Amount	\$10,398,308.62
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*Additional 10 days will be added for this change order
Substantial Completion Due Date for Addition: June 23, 2014*



Questions/Comments