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

DEPARTMENT: **Engineering and Construction Management**

AGENDA DATE: **October 25, 2011**

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

DISTRICT(S) AFFECTED: **All**

SUBJECT:
That the City Council approves the expenditure of additional available funding in the amount of Two Hundred Five Thousand Seven Hundred Twenty Seven and 78/100 dollars ($205,727.78) to Highway Intelligent Traffic Systems Corp. for additional construction costs for Video Surveillance & Count Stations 2009. The change order provides for trenching, rather than boring as required by the original plans, of 2,429 linear feet along Resler Drive from Helen of Troy Drive to High Ridge, adding fifty six (56) days of contract time for Contract Number 2010-113. The new contract sum, including this change order, is Three Million Thirty Eight Thousand Five Hundred Forty Five and 26/100 dollars ($3,038,545.26).

BACKGROUND / DISCUSSION:
This project consists of furnishing, installing, testing, and/or integrating 22 new CCTV Dome Cameras, 7 new Dynamic Message Signs (DMS), hardware and software, and 3" conduit, fiber optic cable, as well as the communication systems into the existing City of El Paso Traffic Management Center (TMC) and Trans Vista.

The change order is to account for a change in scope from boring to trenching across roadways. In several locations, the bores were not able to be completed due to the rock unforeseen conditions.

PRIOR COUNCIL ACTION:
City Council approved the construction award of Solicitation No. 2010-113 for the Video Surveillance & Count Stations 2009 April 27, 2010.

AMOUNT AND SOURCE OF FUNDING:
$205,727.08 Texas Department of Transportation

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 Two Hundred Five Thousand Seven Hundred Twenty Seven and 78/100 dollars ($205,727.78) to Highway Intelligent Traffic Systems Corp. for additional construction costs for Video Surveillance & Count Stations 2009. The change order provides for trenching, rather than boring as required by the original plans, of 2,429 linear feet along Resler Drive from Helen of Troy Drive to High Ridge, adding fifty six (56) days of contract time for Contract Number 2010-113. The new contract sum, including this change order, is Three Million Thirty Eight Thousand Five Hundred Forty Five and 26/100 dollars ($3,038,545.26).

ADOPTED THIS _____ DAY OF _____, 2011.

THE 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

CITY OF EL PASO CONSTRUCTION CHANGE ORDER

CONSTRUCTION CHANGE ORDER NO.: 4 DATE: October 3, 2011

[x] SCOPE CHANGE
[ ] CONSTRUCTION CHANGE

PROJECT: Video Surveillance and Count Stations SOLICITATION NO. 2010-113

Original Contract Amount:	$ 2,799,716.26	Contract Time to Subtantial Completion	240
Net Change by previous Change Orders:	$ 33,101.22	Total days added due to Change Orders and CON's	30
Net Change by previous Construction Quantity Notices:	$ -	Total days added for this Change Order	56
Amount of this Construction Change Order:	$ 205,727.78	New Contract Time to Substantial Completion:	326
New Amended Contract Amount:	$3,038,545.26	Current Substantial Completion Due Date	10/22/2011
Change Order Percentage:	8.53%		

CONTRACTOR NAME: Higway ITS Corp

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

Trenching in liue of boring as call in the plans. This includes 1,289 l. ft on exisitng paving which will requires asphalt removal at 6' wide, trench 12" x48" deep, backfill with 2-sack, and 6' wide patch pavements. This work is to be perform at Resler Dr. from Helen of Troy Dr. to High Ridge Dr.

CONSECUTIVE CALENDAR DAYS ADDED TO COMPLETION TIME: 56 TOTAL CHANGE ORDER AMOUNT: $ 205,727.78

CONTRACTOR

I, MERLE ABBOTT, of HIGHWAY ITS agree and accept the terms and conditions of this change order.

Signature: [signature] Date: 10/12/2011

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: _____ Date: _____

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

CITY OF EL PASO CONSTRUCTION CHANGE ORDER- Pg. 2

CONSTRUCTION CHANGE ORDER NO.: 4 DATE: October 3, 2011 [x] SCOPE CHANGE [ ] CONSTRUCTION CHANGE

PROJECT: Video Surveillance and Count Stations SOLICITATION NO. 2010-113

Project Number	P09ST003	Project Number	0	PURCAHSE ORDER #	2011000277
Class	31000	Class	0		
Department	31255002	Department	0		
Fund	5791	Fund	0		
Account	508027	Account	0		

CONTRACTOR NAME: Higway ITS Corp

PROVIDE REASON/JUSTIFICATION FOR CHANGE ORDER:

Plans call for bore under the medina cuts along Resler Dr. at several intersections. Unforseen conditions prohibit the use of this methid for the installation of conduit. Therefore open trench will be use.

CONSECUTIVE CALENDAR DAYS ADDED TO COMPLETION TIME: 56 TOTAL CHANGE ORDER AMOUNT: $ 205,727.78

Project Manager recommends approval: VICTOR CARZON

Engineering Division Manager recommends approval:

Financing Department approval: (If Required)

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SERVICE SOLUTIONS SUCCESS

ENGINEERING & CONSTRUCTION MANAGEMENT DEPARTMENT

MEMORANDUM

TO: Joe Hudy, Inspector (via email)

FROM: Victor Garzon, Project Manager

THRU: Sam Rodriguez, P.E., Engineering Division Manager SR

DATE: October 4, 2011

SUBJECT: Change Order #4- REVISED

Project Information:

Project Number: CM 2009(243)
Project: Video Surveillance and Count Station project
CSJ: 0924-06-239

Purpose of Change Order:

The plans call for the bore under the median cuts along Resler at several intersections. Unforeseen conditions prohibit the use of this method for the installation of the conduit. Open trench method will be used.

Scope of Change Order:

The scope change includes the trenching of 2,429 linear feet. Of the total linear feet, 1,289 feet are on existing pavement and the scope includes removal of asphalt at 6' wide, trench to 12" by 48" depth, backfill with 2-sack, and patch pave the 6'width. The remaining 1,140 is over dirt/rock and

THE CITY OF EL PASO TEXAS

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Dr. Michiel R. Noe

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Eddie Holguin Jr.

District 7
Steve Ortega

District 8
Cortney Carlisle Niland

City Manager
Joyce A. Wilson

the scope includes removal of rock and backfill of select fill on a 12" by 48" deep excavation

Independent Cost Analysis:

An independent cost estimate was completed by: Sam Rodriguez, P.E on September 28, 2011for a total of $ 177,717.02. A revised cost estimate was produced and completed on October 4, 2011 in the amount of $199,023.53 to address TXDOT comments from the meeting held on September 29, 2011.

The additional time to be added is 56 calendar days. The days are reflected on the trench for each intersection taking 4 working days. one day to demo and trench. One day to do installation of conduit and boxes, plus backfill with two sack and cover with trench plates. One day to for the 2 sack to cure. One day to patch pave.

Attached are the estimated costs with the backup of pricing.

Contractor Proposals:

1st Proposal:

The 1st proposal from Highway ITS was received on July 11, 2011. It totals $42,048.04. The proposal was not all inclusive and more information was requested.

2nd Proposal:

After negotiations, a 2nd proposal from Highway ITS was received on September 27, 2011. It totals $205,727.78 and requests 40 additional work days, which translates into 56 calendar days.

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During the negotiations there was an option to do force account work, but given the potential risks associated with trenching into rock, it was agreed that this is the best approach. Attached is the backup

Final Recommendations:

After review the final recommendation amount is $$205,727.78 and 56 additional days. After negotiations, the costs are acceptable given the potential risk of the hardness of the rock.

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Contractor CURRENT PROPOSAL

Project: Video Surveillance and Count Stations
Control: 2010-113, 0924-06-239
Highway: VA
County: El Paso

HIGHWAY I.T.S.
1329 E WHEATLAND RD
LANCASTER, TX. 75134

Subject: **Resler Open Cut and DMS Communication Infrastructure**

MATERIALS

Qty	Unit	Description	Unit Price	15% Compensation on unit	Total Material Rate	Extension
1	FT	SIDEWALK REPAIRS REDD/RESLER	$250.00	$37.50	$287.50	$287.50
					MATERIAL COST	**$287.50**

Labor Breakdown

Hours	Description	Hr Rate	15% Allowed Mark Up		Total Material Rate	Total Labor Extension
440	Extra labor to for tie-end due to open cut	$26.35	$3.953		$30.30	$13,333.10
40	SIDEWALK REPAIRS REDD/RESLER	$26.35	$3.953		$30.30	$1,212.10
80	Management	$70.72	$10.608		$81.33	$6,506.13
					LABOR COST	**$21,051.33**

Subcontractor for Asphalt work

Qty	Unit	Description	Unit Price	15% Allowed Mark Up Compensation	Total Material Rate	Extension
1	LS	Labor	$22,960.00	$3,444.00	$26,404.00	$26,404.00
1	LS	Machinery	$48,000.00	$7,200.00	$55,200.00	$55,200.00
1	LS	Materials	$51,930.00	$7,789.50	$59,719.50	$59,719.50
1	LS	profit/overhead	$19,048.00	$2,857.20	$21,905.20	$21,905.20
1	LS	Soil Report	$250.00	$37.50	$287.50	$287.50
					Total Subcontractor Cost	**$163,516.20**

Subcontractor for Traffic Control

Qty	Unit	Description	Unit Price	15% Allowed Mark Up Compensation	Total Material Rate	Extension
12	Ea	2 lane closures	$190.00	$28.50	$218.50	$2,622.00
8	Ea	1 lane closures	$140.00	$21.00	$161.00	$1,288.00
9	Ea	Median closures(155+44*4)	$331.00	$49.65	$380.65	$3,425.85
8	ea	Traffic control night intersection work	$1,250.00	$187.50	$1,437.50	$11,500.00

Total Subcontractor Cost **$18,835.85**

Total Additional Price **$203,690.88**

Bond Premium 1% **$2,036.91**

TOTAL **$205,727.78**

Change order amount.

Contract Over/Under Runs

Qty	Unit	Description	Unit Price	Extension	
1430	FT	CONDT (PVC)(SCHD 40)(3")(2 CONDT PER RUN)CO3	$8.94	$12,784.20	
1430	FT	CONDT (PVC)(SCHD 40)(3")(BORE)(2 CONDT PER RUN)CO3	$19.77	-$28,271.10	
115	FT	CONDT (PVC)(SCHD 40)(2")	$6.31	$725.65	
115	FT	CONDT (PVC)(SCHD 40)(2")BORE	$18.68	-$2,148.20	
4	EA	BARRICADES, SIGNS AND TRAF HANDLE	$3,605.92	$14,423.68	
2000	FT	ITEM ELP013 2002 FIBER OPTIC CBL (SGL MODE)(144	$2.91	$5,820.00	DMS Communication Infrastructure
2500	FT	CONDUIT (PREPARE)	$0.99	$2,475.00	DMS Communication Infrastructure
500	FT	CONDT (PVC)(SCHD 40)(3")(2 CONDT PER RUN)	$8.94	$4,470.00	DMS Communication Infrastructure
500	FT	CONDT (PVC)(SCHD 40)(2")	$6.31	$3,155.00	DMS Communication Infrastructure
948	LF	MTL W-BEAM GD FEN (TIM POST)	$20.32	-$19,263.36	
5	EA	TERMINAL ANCHOR SECTION	$879.96	-$4,399.80	
5	EA	GUARDRAIL END TREATMENT (INSTALL)	$1,830.47	-$9,152.35	
24000	FT	Tracer Wire	$0.57	-$13,680.00	
500	LF	TEMPORARY SEDIMENT CONTROL FENCE	$4.48	$2,240.00	
1209		VIVDS COMM Cable	$3.49	$4,219.41	
1	LF	ITEM ELP016 2001 CCTV DOME CAMERA CABINET	$3,074.77	$3,074.77	

Contract Over/Under Runs -$23,527.10

Estimated Total **$182,200.68**