

**SUBMITTAL TO THE BOARD OF SUPERVISORS
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

330



FROM: TLMA – Transportation Department

SUBMITTAL DATE:
July 9, 2014

SUBJECT: Contract Change Order No. 11 between the County of Riverside and Sema Construction, Inc. for Construction of Date Palm Drive at Interstate 10 Interchange. 4th/4th District; [\$399,550]; Federal Funds 42%, State Funds 24%, Local Funds 34%

RECOMMENDED MOTION: That the Board of Supervisors execute and authorize the Transportation Department to issue Contract Change Order No. 11 with Sema Construction, Inc.

BACKGROUND:

Summary

On February 15, 2011 (Agenda Item 3-34), the Board of Supervisors entered into an agreement with Sema Construction, Inc. of Irvine, CA for the reconstruction of the Date Palm Drive Interchange at Interstate 10 (I-10) and associated improvements in the City of Cathedral City.

Departmental Concurrence

Patricia Romo
Assistant Director of Transportation
for Juan C. Perez
Director of Transportation and Land Management

FINANCIAL DATA	Current Fiscal Year:	Next Fiscal Year:	Total Cost:	Ongoing Cost:	POLICY/CONSENT (Per Exec. Office)
COST	\$ 399,550	\$ 0	\$ 399,550	\$ 0	Consent <input type="checkbox"/> Policy <input checked="" type="checkbox"/>
NET COUNTY COST	\$ 0	\$ 0	\$ 0	\$ 0	

SOURCE OF FUNDS: STP (24%), STIP (42%), CVAG (34%)
There are no General Funds used for this project.

Budget Adjustment: N/A
For Fiscal Year: 14/15

C.E.O. RECOMMENDATION:

APPROVE

BY:
Tina Grande

County Executive Office Signature

MINUTES OF THE BOARD OF SUPERVISORS

On motion of Supervisor Tavaglione, seconded by Supervisor Benoit and duly carried by unanimous vote, IT WAS ORDERED that the above matter is approved as recommended.

Ayes: Jeffries, Tavaglione, Stone, Benoit and Ashley
Nays: None
Absent: None
Date: September 9, 2014
xc: Transp.

Kecia Harper-Ihem
Clerk of the Board
By:
Deputy

- A-30
- Positions Added
- Change Order
- 4/5 Vote

Prev. Agn. Ref.: 2/25/11, Item 3-34 | District: 4/4 | Agenda Number:

3-106

SUBMITTAL TO THE BOARD OF SUPERVISORS, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA
FORM 11: Contract Change Order No. 11 – between the County of Riverside and Sema Construction for construction of Date Palm at Interstate 10 Interchange, 4th/4th District. [\$399,550]; Federal Funds 42%, State Funds 24%, Local Funds 34%
DATE: July 9, 2014
PAGE: 2 of 3

BACKGROUND:

Summary (continued)

The authorized amount of the contract was \$14,832,124. The amount of this Contract Change Order is \$399,550 (2.69% of the original contract amount), which exceeds the maximum change order amount that can be authorized by the Director of Transportation and Land Management and requires Board of Supervisors approval in accordance with Resolution No. 93-047.

This Contract Change Order, in the amount of \$399,550, became necessary to compensate the contractor for Time Related Overhead (TRO) associated with the discovery of burrowing owls near the work zone and a conflict with an existing gas main and bridge foundation system, which delayed the project completion by 61 working days. As specified in the contract, the contractor provided a third party audit from an independent company for the justification of associated TRO costs.

Not including this Change Order, the County of Riverside (County) has issued 23 Change Orders totaling \$1,452,071. Three Change Orders totaling \$296,081 were due to changes in water quality permit requirements and Caltrans standards. Five Change Orders totaling \$520,698 were due to changes needed for additional traffic control, including the revision of staging plans to allow for the placement of concrete pavement on Date Palm Drive, particularly at the intersections with the freeway ramps. This change was the result of a revision to the plans to change the pavement type from AC to concrete made late in the design process. The staging plans needed to be modified to address traffic impacts resulting from concrete cure time. Drainage system modifications accounted for \$227,638 of the Change Orders, which became necessary due to unforeseen underground conflicts. Changes were made to improve traffic control during construction and lessen the impact to the public by reducing lane closure times, and those changes totaled \$259,654. The project limits were reduced, and modifications were made to the project that resulted in cost savings of \$184,801. Finally, miscellaneous changes resulting from unforeseen conditions, operational improvements during construction and material adjustments, such as asphalt price fluctuations, resulted in an additional \$332,801 of added work. The complete summary of Contract Change Orders, with a cost and description of each, is shown on the attached Change Order Report.

The interchange project is now substantially complete and open to full public use, with only punch-list items remaining for the closeout of construction. The County is negotiating with the contractor towards resolution of remaining change order items.

Project Number: A8-0373

Impact on Residents and Businesses

The interchange is open and fully operational and has been a very major traffic improvement in the Coachella Valley. This is the fourth major I-10 interchange improvement open to traffic in the Coachella Valley in the last three years. The County Transportation Department also successfully delivered the Indian Canyon and the Gene Autry Trail/Palm Drive interchanges, and Caltrans delivered the Bob Hope Drive/Ramon Road interchange.

SUPPLEMENTAL:

Additional Fiscal Information

This Contract Change Order brings the total current authorized contract amount to \$16,683,745, 12.48% over the originally authorized contract amount of \$14,832,124. The cost increase will be funded by a combination of federal Surface Transportation Program (STP) funds, federal State Transportation Improvement Program (STIP) funds, and local CVAG funds.

SUBMITTAL TO THE BOARD OF SUPERVISORS, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA
FORM 11: Contract Change Order No. 11 – between the County of Riverside and Sema Construction for construction of Date Palm at Interstate 10 Interchange, 4th/4th District. [\$399,550]; Federal Funds 42%, State Funds 24%, Local Funds 34%

DATE: July 9, 2014

PAGE: 3 of 3

Contract History and Price Reasonableness

The daily office overhead costs were performed by a third party audit and are in accordance with industry standards.

ATTACHMENTS:

- A. Change Order Report

CHANGE ORDER REPORT
(Date Palm Drive Interstate Project at I-10)

Change Order Number	Contract Amount	Percent	Description
	Original Contract Amount \$14,832,124		
1	\$30,452	0.21%	Furnishing, installing, maintaining, and removing the construction monitoring Camera system; funding to the California Highway Patrol for providing support during lane closures on Interstate 10
2	\$0	0.00%	Modification to the specified lane closure charts
3	\$6,107	0.04%	Providing a new Storm Water Pollution Prevention Plan to comply with the new statewide storm water permit
4	\$79,654	0.54%	Additional traffic control and CVAG funding signs, provide epoxy coated rebar in the Jointed Plane Concrete Pavement
5	\$0	0.00%	Revise retaining wall #18. The plans call for a thicker haunch section at the top of the wall.
6	(\$25,000)	-0.17%	Embankment earthwork specification modification for slopes steeper than 4:1
7	\$125,000	0.84%	Staging modifications required to maintain traffic during construction
7S1	\$125,000	0.84%	Additional detours were constructed for the interchange in order to construct the improvements per the approved plans. This change was related to the staging modifications.
7S2	\$90,698	0.61%	Authorizes the use of Rapid Set Concrete in order to accomplish finishing the northern intersection before Thanksgiving Holiday Season
8	\$100,000	0.67%	Planned extra work such as repairing crash cushions that were damaged by public traffic, unforeseen work such as buried man-made objects, and field conditions that did not match the plans
8S1	\$100,000	0.67%	Provides additional funds for anticipated future miscellaneous costs
9	\$0	0.00%	Incorporates a larger temporary bridge deck access detail than specified in the contract plans
10	\$146,605	0.99%	Deleted all of the planned work associated with the Metal Beam Guardrail at the bridge supports and constructs a concrete barrier with the current approved terminal end systems
11	* \$399,550	2.69%	Delay cost due to owls and gas line relocation

CHANGE ORDER REPORT
(Date Palm Drive Interstate Project at I-10)

12	\$120,000	0.81%	Widens the existing roadway at the north end of the project and removes the existing raised median at the south end to resolve staging conflicts
12S1	\$60,000	0.40%	Temporary signalization at the projects intersections for various staging operations during the course of construction
13	(\$159,801)	-1.08 %	Reduction in the project construction limits resulting from a separate Cathedral City Road Improvement Project
14	\$25,000	0.17%	Reimburses the Contractor for the County's share of the costs for a Dispute Review Board
15	\$35,500	0.24%	SCE modifications to the existing approved plans and associated related extra work
16	\$0	0.00%	Change Order cancelled
17	\$140,000	0.94%	Additional import borrow earthwork material to construct the embankments in stage 1
18	\$129,369	0.87%	Modifications to the project gravel mulch thickness as required by Caltrans
19	\$0	0.00%	Change Order cancelled
20	\$131,634	0.89%	Additional work associated with drainage system #6 and #8 conflicts
21	\$0	0.00%	Pending
22	\$0	0.00%	Pending
23	\$95,849	0.65%	Compensation Adjustment for Price Index Fluctuations for Asphalt Concrete
24	\$0	0.00%	Change Order cancelled
25	\$96,004	0.65%	Compensates the Contractor for the time related overhead costs (TIA) associated with the drainage system conflicts
Authorized Change Orders	\$1,452,071	9.79%	
Change Order #11	★\$399,550		
Total Change Orders	\$1,851,621	12.48%	
Revised Contract Amount	\$16,683,745		

LETTER OF TRANSMITTAL

**Local Agency: County of Riverside
Transportation Department**

DATE: June 4, 2014

**File: Date Palm Drive/I-10 Interchange
Improvements Project**

W.O. No.: A8-0373

Federal Aid No. STPLN-5956(196)

C.C.O.: 11

TO: Patricia Romo

From: Hugh Smith

\$399,550.00 (2.69% of the original contract amount of \$14,832,124.37)

The work at retaining wall eighteen was delayed by two different overlapping causes. The first was the identification of burrowing owls near the work and the second was the length of the shoring review, due to the close proximity of the planned work to the gas main, by the gas company. The total length of the two delays was sixty one working days. The Contractor has submitted delay costs of 431,763.43, supported by a third party audit of their records. After review and discussion of the detail of the records, the Contractor has agreed to accept an agreed amount of \$399,550.00 as full and complete compensation for this delay.

The amount of this Contract Change Order is \$399,550.00. Accumulation of all Contract Change Orders thus far, including this one, is \$1,851,620.45.

Previous Contract Change Order Amounts Approved:

See C.C.O. History
(attached)

\$1,452,070.45

File: Date Palm Drive/I-10 Interchange Improvements Project

W.O. No.: A8-0373

Federal Aid No. STPLN-5956(196)

C.C.O. No. 11

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The Design Engineer (Gary Wintergerst) and Caltrans Oversight Engineer (Wayne Jensen) concur with this change order.

Adjustment of Time: 61

ESTIMATE OF COST

Items

Force Account


Agreed Price

Adjustment

\$399,550.00

TOTAL

\$399,550.00



Hugh Smith
Construction Engineer

C. C. O. Category

Agency Mandated	
Anticipated Force Account	
Change in Field Conditions	X
Design Omission	
ROW Obligations	
Upgrades / Benefits	
Utilities	



COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT

SHEET 1 OF 1 SHEETS

Contract Change Order No. 11

CONTRACT: Date Palm Drive/I-10 Interchange Improvement Project WORK ORDER NO. A8-0373
FEDERAL AID NO. STPLN-5956(196)

TO: SEMA Construction CONTRACTOR: YOU ARE HEREBY DIRECTED TO MAKE THE HEREIN DESCRIBED CHANGES FROM THE PLANS AND SPECIFICATIONS OR DO THE FOLLOWING DESCRIBED WORK NOT INCLUDED IN THE PLANS AND SPECIFICATIONS ON THIS CONTRACT.

Description of work to be done, estimate of quantities and prices to be paid. Segregated between additional work at contract price, agreed price and force account. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time.

Adjustment of Compensation at Agreed Lump Sum:

Compensate the Contractor for all delay related costs incurred at retaining wall eighteen as a result of the burrowing owl / gas line delay, supported by Time Impact Analysis #1.

The Contractor will receive and accept the agreed lump sum of \$399,550.00. This is full and complete compensation, including markups, for providing all labor, equipment, materials, tools, and incidentals for the work of this change.

Adjustment of Compensation at Agreed Lump Sum - \$399,550.00

Estimated Cost: Decrease \$ _____ Increase \$ 399,550.00

Federal Eligibility : Yes No

WE, the undersigned contractor, have given careful consideration to the change proposed and hereby agree that we will provide all equipment, furnish all materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

[Signature] 7/8/14
Approval Recommended Date

By reason of this proposed change 61 days adjustment of time will be allowed.

Concurrence (Caltrans) _____ Date _____

Accepted [Signature] 5/22/14
SEMA Construction, Inc. Date

[Signature] 7/10/14
Approved Date

NOTE: This change order is not effective until approved by County. If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest with the time therein specified.

Patricia Romo, Assistant Director of Transportation 9/9/14
Approved Date
Jeff Stone
Chairman, Riverside County Board of Supervisors Date

ATTEST: [Signature]
KELIA HARRER HEN, Clerk

BY [Signature]
DEPUTY

I10/Date Palm Drive Inerchange Project
 Contract CCO History

Contract No. 11-01-022
 Work Order No. A8-0373
 Contract Amount \$14,832,124.37

Single Maximum CCO \$150,000.00
 Maximum CCO's \$1,483,212.44

Tip Budget \$21,736,000.00

CCO Category Legend	
AFA	Anticipated Force Account
CFC	Changed Field Conditon
CME	Contract Management Error
DO	Design Omission
OAM	Outside Agency Mandate
RWO	Right-of-Way Obligation
SE	Survey Error
UB	Upgrade/Betterment
UI	Utility Interference

CCO No.	Amount This CCO	Authority	Cumulative CCO's	% Original Authorized	Cumulative CCO %	CCO Category	Classification
1	\$30,452.16	Director	\$30,452.16	0.21%	0.21%	DO	Avoidable
2	\$0.00	Director	\$30,452.16	0.00%	0.21%	UB	Extra/Others
3	\$6,106.91	Director	\$36,559.07	0.04%	0.25%	OAM	Unavoidable
4	\$79,653.57	Director	\$116,212.64	0.54%	0.78%	OAM	Unavoidable
5	\$0.00	Director	\$116,212.64	0.00%	0.78%	DO	Avoidable
6	-\$25,000.00	Director	\$91,212.64	-0.17%	0.61%	CFC	Unavoidable
17	\$140,000.00	Director	\$231,212.64	0.94%	1.56%	DO	Avoidable
7	\$125,000.00	Director	\$356,212.64	0.84%	2.40%	DO	Avoidable
12	\$120,000.00	Director	\$476,212.64	0.81%	3.21%	DO	Avoidable
8	\$100,000.00	Director	\$576,212.64	0.67%	3.88%	CFC	Unavoidable
7S1	\$125,000.00	Director	\$701,212.64	0.84%	4.73%	DO	Avoidable
8S1	\$100,000.00	Director	\$801,212.64	0.67%	5.40%	AFA	Unavoidable
9	\$0.00	Director	\$801,212.64	0.00%	5.40%	CFC	Unavoidable
14	\$25,000.00	Director	\$826,212.64	0.17%	5.57%	AFA	Unavoidable
15	\$35,500.00	Director	\$861,712.64	0.24%	5.81%	UI	Unavoidable
18	\$129,368.80	Director	\$991,081.44	0.87%	6.68%	DO	Avoidable
7S2	\$90,698.11	Director	\$1,081,779.55	0.61%	7.29%	DO	Avoidable
12S1	\$60,000.00	Director	\$1,141,779.55	0.40%	7.70%	DO	Avoidable
10	\$146,605.00	Director	\$1,288,384.55	0.99%	8.69%	OAM	Unavoidable
13	-\$159,801.35	Director	\$1,128,583.20	-1.08%	7.61%	OAM	Unavoidable
23	\$95,849.25	Director	\$1,224,432.45	0.65%	8.26%	AFA	Extra/Others
20	\$131,634.00	Director	\$1,356,066.45	0.89%	9.14%	DO	Unavoidable
25	\$96,004.00	Director	\$1,452,070.45	0.65%	9.79%	DO	Avoidable
11	\$399,550.00	Board	\$1,851,620.45	2.69%	12.48%	DO	Avoidable
			\$1,851,620.45	12.48%			

New Authorized Contract Total \$16,683,744.82
 Total CCO Dollars To Date \$1,851,620.45
 Total % Increased by CCO's 12.48%