

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



ITEM
3.67
(ID # 6055)

MEETING DATE:

Tuesday, August 28, 2018

FROM : TLMA-TRANSPORTATION:

SUBJECT: TRANSPORTATION AND LAND MANAGEMENT AGENCY/ TRANSPORTATION:
Approve and Execute Contract Change Order No. 5 – between the County of Riverside and Sukut Construction, LLC for Construction of Clinton Keith Road Extension Project, 3rd District. [\$1,609,764]; Local Funds 100%

RECOMMENDED MOTION: That the Board of Supervisors:

1. Approve and Execute Contract Change Order No. 5 with Sukut Construct, LLC on the Clinton Keith Road Extension Project.
2. Authorize the Transportation Department to issue Contract Change Order No. 5 with Sukut Construct, LLC on the Clinton Keith Road Extension Project.

ACTION: Change Order, Policy

MINUTES OF THE BOARD OF SUPERVISORS

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

Ayes: Jeffries, Tavaglione, Washington, Perez and Ashley
Nays: None
Absent: None
Date: August 28, 2018
xc: Transp.

Kecia Harper-Ihem
Clerk of the Board

By 
Deputy

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

FINANCIAL DATA	Current Fiscal Year:	Next Fiscal Year:	Total Cost:	Ongoing Cost
COST	\$ 1,609,764	\$ 0	\$ 1,609,764	\$ 0
NET COUNTY COST	\$ 0	\$ 0	\$ 0	\$ 0
SOURCE OF FUNDS: RCTC Measure A – Discretionary (39.7%), TUMF-Southwest Zone (WRCOG) (32%), CFD 07-2 Clinton Keith Road (28.3%) There are no general funds used in this project.			Budget Adjustment: No	
			For Fiscal Year: 18/19	

C.E.O. RECOMMENDATION: Approve

BACKGROUND:

Summary

On November 10, 2015 (agenda item 3-15) the Board of Supervisors entered into an agreement with Sukut Construction, LLC for the construction of the Clinton Keith Road Extension Project in the community of French Valley and the City of Murrieta.

The authorized amount of the contract was \$23,441,273. The amount of this Contract Change Order is \$1,609,764 (6.87% of the original contract amount), which exceeds the maximum change order amount that can be authorized by the Director of Transportation and requires Board of Supervisor approval in accordance with Resolution No. 93-047.

Due to the additional rock encountered on the project, the rock excavation quantity increased from 70,000 cubic yards to 200,000 cubic yards, a 187% increase. This is a substantial amount of rock, equivalent to a football field filled 112 feet high with rock, which required additional blasting operations and trucking operations to remove the material. Contract Change Order No. 5 became necessary to compensate the contractor for costs associated with the removal, handling and disposal of additional rock encountered on the project and the schedule impacts to the earth moving operation. The avoidance of environmentally sensitive areas, and right of way access constraints during the design phase limited the engineer's ability to perform adequate geotechnical subsurface analysis for the project to provide a more accurate estimate of rock at the project site.

Not including this Contract Change Order, the County of Riverside has issued 10 Contract Change Orders totaling \$792,300 (3.38% of the original contract amount) which was primarily due to changes in water quality permit requirements, installation of metal guardrail along Los Alamos Road, installation of a construction video camera, and unforeseen issues related to the retaining wall and signal modifications. The total contract change order amount for this contract including this Change Order No.5 will be \$2,402,064.

The roadway was open to full public use on July 27, 2018 and only punch list items are remaining for the closeout of construction.

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

Project No. B2-04722

Impact on Residents and Businesses

The new road improvements will benefit residents and businesses by reducing traffic congestion and improving traffic flow.

Additional Fiscal Information

This Contract Change Order brings the total current authorized contract amount to \$25,843,337, 10.25% over the originally authorized contract amount of \$23,441,273. The cost increase will be funded by a combination of funds, including RCTC Measure A – Discretionary, TUMF-Southwest Zone (WRCOG) and CFD 07-2 Clinton Keith Road.

ATTACHMENTS:

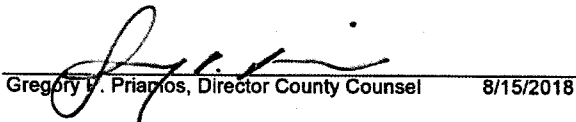
- Change Order Report
- Vicinity Map
- Change Order Letter of Transmittal


Patricia Romo, Director of Transportation

8/6/2018


Gregory V. Priamos, Director County Counsel

8/15/2018


Gregory V. Priamos, Director County Counsel

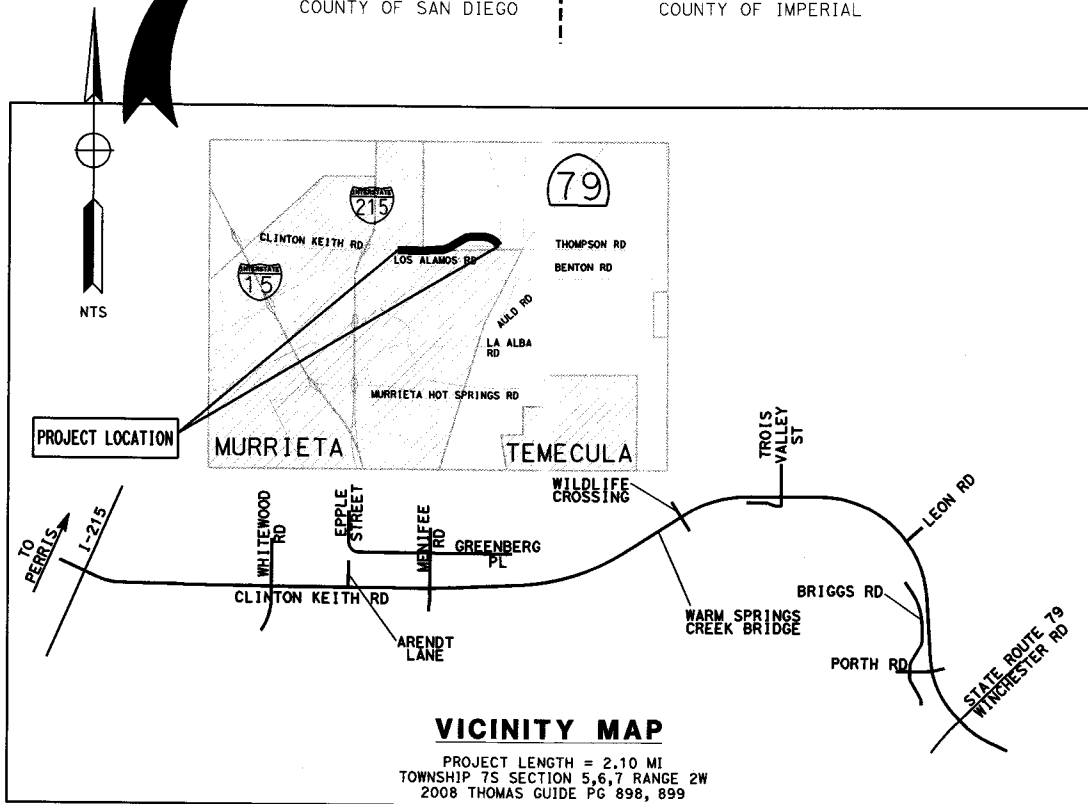
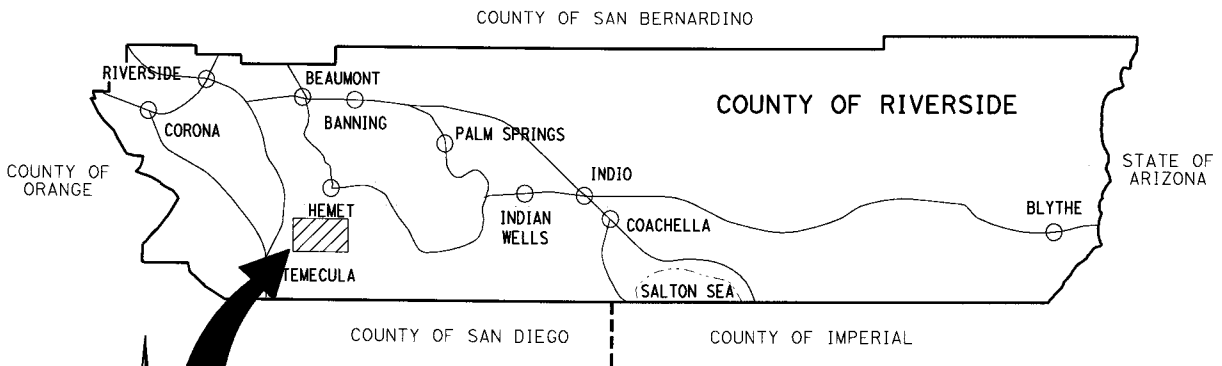
8/15/2018

C O U N T Y O F R I V E R S I D E
T R A N S P O R T A T I O N D E P A R T M E N T

CLINTON KEITH ROAD CONSTRUCTION PROJECT - PHASE 2

FROM WHITEWOOD ROAD TO LEON ROAD
IN THE CITY OF MURRIETA AND FRENCH VALLEY AREA

PROJECT No. B2-04722



CHANGE ORDER REPORT
(Clinton Keith Road Construction Project)

CCO #	Amount	Percent	Description
	Original Contract Amount \$23,441,273		
1	\$100,000	0.43%	Addresses various miscellaneous items of work not covered in the contract documents
1S1	\$150,000	0.64%	Addresses various miscellaneous items of work not covered in the contract documents
2	\$25,000	0.11%	Conform to the requirements of Risk Level 2 as determined by the State Water Control Resources Board which include additional sampling and testing of storm water runoff as it enters and leaves the project site which is not specified in the contract.
2S1	\$120,000	0.51%	Conform to the requirements of Risk Level 2 as determined by the State Water Control Resources Board which include additional sampling and testing of storm water runoff as it enters and leaves the project site which is not specified in the contract.
3	\$27,000	0.12%	Purchasing, installing, maintaining, salvaging and delivery of (1) Earth Cam. Also, for storing, handling and updating all media captured. This work was not included in the contract documents. The Camera will be County owned after the completion of the project.
4	\$0.00	0.00%	Pile depth revision based on observation and testing of spoil/rocks to minimize time impact.
6	\$150,000	0.64%	Installation of additional BMPs as specified in the Storm Water Pollution Prevention Plan to comply with Risk Level 2 requirements.
6S1	\$150,000	0.64%	Installation of additional BMPs as specified in the Storm Water Pollution Prevention Plan to comply with Risk Level 2 requirements.
7	\$52,300	0.22%	Identifying underground utilities (pothole) and the costs involved in re-grading the slope for the installation of the guard railing and alternative flared terminal for public safety.
8	\$18,000	0.08%	Renegotiation of TCE with the owner for continued use of the property up to July 6, 2018. The contractor was requested by the Department to enter into agreement with the property owner for the TCE.
Authorized Change Orders	\$792,300	3.38%	
5	\$1,609,764	6.87%	The Rock Excavation quantities were increased caused by excessive rock on the project above what the design engineer estimated. County Survey shot topo of the removed rock and the quantities were quantified by the design engineer at CH2MHill.
Total Change Orders	\$2,402,064	10.25%	
Revised Contract Amount	\$25,843,337		

LETTER OF TRANSMITTAL

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

DATE: July 31, 2018

**File: Clinton Keith Road Construction
Project**

W.O. No.: B2-04722

C.C.O.: 5

TO: Patricia Romo

From: Cindi Wachi

\$1,609,764.45 (6.87% of the original contract amount of \$23,441,273.14)

This Contract Change Order No. 5 became necessary because:

- The decrease in contract items became necessary to eliminate portion of the work that was added to the Clinton Keith Phase IV project. This will eliminate constructing and removing interim roadway and temporary traffic handling improvements and final asphalt concrete paving. To provide for a uniform appearance across the entire roadway, the final asphalt concrete paving will be placed by the Clinton Keith Phase IV project.
- The Rock Excavation quantities were increased due to additional rock encounter on the project. Environmental and access constraints during the design phase limited the ability to perform adequate geotechnical subsurface analysis for the project which would have helped to provide a more accurate estimate of the rock that may be encountered during construction. A field survey of removed rock was performed and the quantities were quantified by the design engineer.
- The increase in Rock Excavation (187% increase) changed the character of work for the project. The additional Rock Excavation increased the blasting operations, extended the lengths of hauling select material to the bridge abutments and impacted the earth moving operation by required the use of rock trucks instead of scrapers.
- Hauling and onsite and offsite rock export was necessary for the disposal of the additional rock.

The amount of this Contract Change Order is \$1,609,764.45. The accumulation of all Contract Change Orders thus far, including this one, is \$2,402,064.31.

AUG 28 2018 3.07

Previous Contract Change Order Amounts Approved:

See C.C.O. History \$792,299.86
 (Attached)

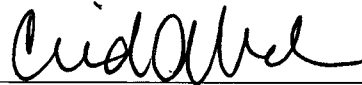
This Contract Change Order was discussed with County Staff and they gave their concurrence to this change.

Adjustment of Time: 16 working days

ESTIMATE OF COST

Items	-\$626,906.45
Force Account	\$1,400,000.00
Agreed Price	\$836,670.90
	\$18,000.00

TOTAL \$1,609,764.45



Cindi Wachi
 Engineering Division Manger

CCO	Amount	Funding Source
5	\$1,609,764.45	RCTC Measure A (39.7%), TUMF Southwest (WRCOG) (32%), CFD 07-2 Clinton Keith Road (28.3%)

CCO Category		
AFA	Anticipated Force Account	
CFC	Changed Field Condition	√
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	



**COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT**

SHEET 1 OF 2 SHEETS

Contract Change Order No. 5

CONTRACT: **Clinton Keith Road Construction Project**

WORK ORDER NO.	B2-04722
CALTRANS EA NO.	_____
LOCAL-FED AID NO.	_____
STATE-FED AID NO.	_____

TO: **Sukut Construction, LLC.** 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.

Estimate of Increases of Contract Items at Contract Prices:

As directed by the Engineer and in accordance with the applicable sections of the Special Provisions; Increase Contract Item at Contract Price as follows:

Item No. 176 Rock Excavation: 130,000 (186%) @ \$1.75 per CY	\$227,500.00
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Estimate of Decreases of Contract Items at Contract Prices:

As directed by the Engineer and in accordance with the applicable sections of the Special Provisions; Decrease Contract Item at Contract Price as follows:

Item No. 140 Minor Concrete (Type A-8 Curb): -2,587 (21%) @ \$17.50 per LF	-\$45,272.50
Item No. 142 Minor Concrete (Type D Curb): -1,273 (100%) @ \$15.50 per LF	-\$19,731.50
Item No. 155 Channelizer: -17 (100%) @ \$50.00 EA	-\$850.00
Item No. 162 Remove Traffic Stripe: -7,913 (100%) @ \$0.65 per LF	-\$5,143.45
Item No. 163 Remove Painted Pavement Marking: -1104 (100%) @ \$1.85 per LF	-\$2,042.40
Item No. 164 Remove Roadside Sign: -12 (100%) @ \$75.00 per EA	-\$900.00
Item No. 167 Relocate Roadside Sign: -3 (100%) @ \$150.00 per EA	-\$450.00
Item No. 194 Hot Mix Asphalt (Type A): -9,900 (100%) @ \$66.00 per Ton	-\$653,400.00
Item No. 212 Furnish Single Sheet Aluminum Sign: -377 (100%) @ \$20.00 per SQFT	-\$7,540.00
Item No. 213 Roadway Sign – One Post: -69 (100%) @ \$370.00 per EA	-\$25,530.00
Item No. 214 Install Sign (Strap & Saddle Bracket): -3 (100%) @ \$135.00 per EA	-\$405.00
Item No. 234a Minor Concrete (Island Paving): -58 (100%) @ \$715.00 per CY	-\$41,470.00
Item No. 259 4" Thermoplastic Stripe: -72,085 (100%) @ \$0.40 per LF	-\$28,834.00
Item No. 260 6" Thermoplastic Traffic Stripe: -413 (100%) @ \$1.10 per LF	-\$454.30
Item No. 261 8" Thermo Traffic Stripe: -5,103 (100%) @ \$1.10 per LF	-\$5,613.30
Item No. 262 Thermo Crosswalk & Pvt Marking: -2,885 (100%) @ \$3.60 per LF	-\$10,386.00
Item No. 263 Pavement Marker (Reflective): -1,680 (100%) @ \$3.80 per CY	-\$6,384.00

Total of Decreases of Contract Items at Contract Prices:	-\$854,406.45
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COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT

SHEET 2 OF 2 SHEETS

Contract Change Order No. 5

CONTRACT: Clinton Keith Road Construction Project

WORK ORDER NO. B2-04722
CALTRANS EA NO. _____
LOCAL-FED AID NO. _____
STATE-FED AID NO. _____

TO: Sukut Construction, LLC. 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.

Estimate of Extra Work at Force Account:

As directed by the Engineer and in accordance with the applicable sections of the Special Provisions compensate the Contractor for the hauling and dispose fees for the removal of oversized rock not included in the Rock Excavation item. This includes exporting of rock onsite and offsite.

Force Account Payment will be in accordance with Section 9-1.03 of the Standard Specifications.

Estimate of Extra Work at Force Account: \$1,400,000.00

Estimate of Extra Work at Agreed Price:

As directed by the Engineer and in accordance with the applicable sections of the Special Provisions, compensate the Contractor for the additional cost associated with the removal of oversize rock as follows:

(a) Clearing & Grubbing – \$20,975.00, (b) Time Related Overhead – \$56,103.15, (c) Extend Haul Lengths – \$184,000.00, (d) Additional Blasting – \$298,000.00, (e) Equipment Standby – \$104,000.00 and (f) Increase in cost for using rock trucks vs. scrapers – \$173,592.75.

The Contractor will receive and accept the lump sum amount of \$836,670.90 as full and complete compensation for furnishing all labor, equipment, tools and incidentals as required in completing the above detailed work.

Estimate of Extra Work at Agreed Price: \$836,670.90

Estimated Cost: Decrease \$ _____ Increase \$ 1,609,764.45

Participating: Yes: No: N/A:

FORM APPROVED COUNTY COUNSEL

BY KRISTINE BELL-VALDEZ DATE 3/29/18

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. By reason of this proposed change 16 days adjustment of time will be allowed.

Cindi Wachi 3/29/18
Approval Recommended Date
Cindi Wachi, Engineering Division Manager

Accepted Sukut Construction, LLC. 4/3/18 Date

Patricia Romo 8/16/2018 Date
Approval Recommended Date
Patricia Romo, Assistant Director of Transportation

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.

Chuck Woff 8/23/18 Date
Approved Date
Chairman, Riverside County Board of Supervisors

ATTEST
KECIA HARPER-IHEM, Clerk
DEPUTY

Clinton Keith Road Construciton Project
 Contract CCO History

Contract No. 15-10-003
 Work Order No. B2-04722
 Contract Amount \$23,441,273.14

Single Maximum CCO \$150,000.00
 Maximum CCO's \$2,344,127.31

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	Suney Error
UB	Upgrade/Betterment
UI	Utility Interference

CCO No.	Amount This CCO	Authority	Cumulative CCO's	% Original Authorized	Cumulative CCO %	CCO Category	Classification
1	\$100,000.00	Director	\$100,000.00	0.43%	0.43%	CFC	Unavoidable
2	\$25,000.00	Director	\$125,000.00	0.11%	0.53%	OAM	Unavoidable
3	\$27,000.00	Director	\$152,000.00	0.12%	0.65%	CFC	Unavoidable
2S1	\$120,000.00	Director	\$272,000.00	0.51%	1.16%	OAM	Unavoidable
6	\$150,000.00	Director	\$422,000.00	0.64%	1.80%	OAM	Unavoidable
4	\$0.00	Director	\$422,000.00	0.00%	1.80%	CFC	Unavoidable
8	\$18,000.00	Director	\$440,000.00	0.08%	1.88%	CFC	Unavoidable
7	\$52,299.86	Director	\$492,299.86	0.22%	2.10%	CFC	Unavoidable
6S1	\$150,000.00	Director	\$642,299.86	0.64%	2.74%	OAM	Unavoidable
1S1	\$150,000.00	Director	\$792,299.86	0.64%	3.38%	CFC	Unavoidable
5	\$1,609,764.45	Board	\$2,402,064.31	6.87%	10.25%	DO	Avoidable
			\$2,402,064.31	10.25%			

New Authorized Contract Total \$25,843,337.45
 Total CCO Dollars To Date \$2,402,064.31
 Total % Increased by CCO's 10.25%