

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



ITEM
3.39
(ID # 7809)

MEETING DATE:

Tuesday, December 11, 2018


FROM : TLMA-TRANSPORTATION:

SUBJECT: TRANSPORTATION AND LAND MANAGEMENT AGENCY/TRANSPORTATION:
Notice of Completion – Sunset Avenue at I-10/Union Pacific Railroad Grade
Separation Project, City of Banning. 5th District. [\$0]

RECOMMENDED MOTION: That the Board of Supervisors:

1. Accept as complete the Sunset Avenue at I-10/Union Pacific Railroad Grade Separation Project; and
2. Authorize the Chairman of the Board to execute the Notice of Completion on behalf of the County; and
3. Direct the Clerk of the Board to record the Notice of Completion.

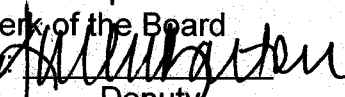
ACTION: Policy


Patricia Romo, Director of Transportation 11/7/2018

MINUTES OF THE BOARD OF SUPERVISORS

On motion of Supervisor Tavaglione, 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: December 11, 2018
xc: Transp., Recorder

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	\$ 0	\$ 0	\$ 0	\$ 0
NET COUNTY COST	\$ 0	\$ 0	\$ 0	\$ 0
SOURCE OF FUNDS: N/A			Budget Adjustment:	No
			For Fiscal Year:	18/19

C.E.O. RECOMMENDATION: Approve

BACKGROUND:

Summary

By Minute Order 3-44 of December 3, 2013, the Board of Supervisors entered into a contract with Riverside Construction Company, Inc. of Riverside, CA for the construction of Sunset Avenue at I-10/Union Pacific Railroad Grade Separation Project. The authorized amount of the contract was \$18,237,589. The total amended contract is \$19,106,401 which is 4.8% more than the originally authorized amount. The contract change orders are discussed in detail in the attached change order report. Majority of the additional contract costs were related to conflicts due to the close proximity between the railroad crossing, Sunset Avenue, and the freeway ramps, changes in site conditions, utility conflicts, drainage adjustments, and modifications to the aesthetics features.

The work was substantially completed by the contractor in conformance with the plans and specifications on April 28, 2016, with the acceptance of the Landscape Maintenance Period by Caltrans on May 2, 2018.

Work Order No. C0-0529, Federal ID No. TCIFL-5956(217).

Impact on Residents and Businesses

The roadway improvements have increased public safety by eliminating train and vehicle conflicts, reducing train noise and decreasing greenhouse gas emissions by reducing particulate matter from idling vehicles.

Additional Fiscal Information

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

Budget

Original Contract Amount		\$18,237,589
Total Change Orders Authorized	5.5%	\$1,004,969
Estimated Pending Change Orders	0.0%	\$0
Authorized Contract Amount		\$19,242,558
* Quantity Adjustments	-0.7%	(\$136,157)
+ CCO FA Adjustments	0.0%	\$0
Total Amended Contract Amount	104.8%	<u>\$19,106,401</u>

Expenditures

Total Progress Payments		\$19,106,401
Estimated Pending Payments		<u>\$0</u>
Total Expenditures		<u>\$19,106,401</u>

(Over)/Under Contract Amount \$0

+ Change Orders using the Force Account method of payment issued prior to the work being completed generally do not use the total authorized amount.

* CAL-Trans Standard Specifications 4-1.03B. Increases or decreases in the quantity of a contract item of work will be determined by comparing the total pay quantity of such item of work with the Engineer's Estimate. If the total pay quantity of any item of work required under the contract varies from the Engineer's Estimate by 25 percent or less, payment will be made for the quantity of work of said item performed at the contract unit price, unless eligible for adjustment pursuant to Section 4-1.03C, "Changes in Character of Work".

This project was funded with \$2,904,173 of CMAQ funds, \$1,203,703 of STP Discretionary funds, \$1,165,490 of FHWA [SAFETEA-LU] funds, and \$6,075,836 of FHWA [Projects of National and Regional Significance funds, and \$7,757,199 of Prop 1B funds.

Contract History and Price Reasonableness

Six bids were received on October 30, 2013, ranging from \$18,237,589 to \$21,447,177. The basis for the selection of a contractor is the lowest responsive and responsible bid. The lowest responsible bid was submitted by Riverside Construction of Riverside, CA in the amount of \$18,237,589, which is \$2,877,648 (13.6%) lower than the Engineer's Estimate.

ATTACHMENTS:

- Change Order Report
- Vicinity Map
- Progress Estimate Report
- Notice of Completion

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



Patricia Romo, Director of Transportation 11/7/2018



Scott Bruekner 12/2/2018

PLEASE COMPLETE THIS INFORMATION
RECORDING REQUESTED BY:

KECIA HARPER-IHEM, CLERK OF THE BOARD
RIVERSIDE CO. CLERK OF THE BOARD
4080 LEMON STREET, 1ST FLOOR CAC
P O BOX 1147 - RIVERSIDE, CA 92502

MAIL STOP # 1010

AND WHEN RECORDED MAIL TO:

RETURN TO: STOP #1010
RIVERSIDE COUNTY CLERK OF THE BOARD
P. O. BOX 1147 - RIVERSIDE, CA 92502

2018-0490948

12/19/2018 09:14 AM Fee: \$ 0.00

Page 1 of 2

Recorded in Official Records
County of Riverside
Peter Aldana
Assessor-County Clerk-Recorder



THIS SPACE FOR RECORDERS USE ONLY

100

NOTICE OF COMPLETION

To be recorded with County Recorder
within 10 days after completion.
No recording fee.

Notice is hereby given by the undersigned owner, a public entity of the State of California, that a public work of improvement has been completed, as follows:

Project title or description of work: Sunset Avenue at Interstate 10/ Union Pacific Railroad Grade Separation Project

Date of Completion: Date of this notice 12/11/18

Nature of owner: County of Riverside, public entity

Interest or estate of owner: Public Roadway

Address of owner: 4080 Lemon Street, 8th Floor, Riverside, CA 92501

Name of contractor: Riverside Construction Company Inc.

Street or legal description of site: Sunset Avenue at I-10, between Ramsey Street and Westward Avenue, Project No. C0-0529, TCIFL-5956(217), Sections 7 & 8, Township 3S range 1E, Road Book Page 93

Dated: December 11, 2018

Owner: County of Riverside
(Name of Public Entity)

By: *Chuck Washington*
Chairman, Board of Supervisors
Chuck Washington

STATE OF CALIFORNIA)

ss

COUNTY OF RIVERSIDE)

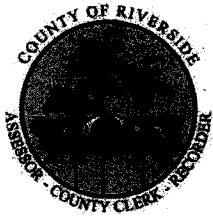
I am the Chairman of the governing board of the County of Riverside, the public entity which executed the foregoing notice and on whose behalf I make this verification; I have read this notice, know its contents, and the same is true. I certify under penalty of perjury that the foregoing is true and correct.

Executed at Riverside, California on 12/11/18 (Date)

ATTEST: *Chuck Washington*, Chairman of the Board of Supervisors
Chuck Washington

KECIA HARPER-IHEM, Clerk
By: *Kristine Bell-Valdez* 12.11.18 3.39
DEPUTY

FORM APPROVED COUNTY COUNSEL
BY: *Kristine Bell-Valdez* 11/25/18 DATE



**PETER ALDANA
COUNTY OF RIVERSIDE
ASSESSOR-COUNTY CLERK-RECORDER**

**Recorder
P.O. Box 751
Riverside, CA 92502-0751
(951) 486-7000**

www.riversideacr.com

CERTIFICATION

Pursuant to the provisions of Government Code 27361.7, I certify under the penalty of perjury that the following is a true copy of illegible wording found in the attached document:

(Print or type the page number(s) and wording below):

Clarification of the Seal for the Riverside County Board of Supervisors
(embossed on the document)



Date:

12-11-18

Signature:

Karen Barton

Print Name:

Karen Barton, Board Assistant

PROGRESS ESTIMATE RECORD - COUNTY OF RIVERSIDE
 PROJECT: Sunset Avenue at I-15 / Union Pacific Railroad Grads Separation Project, between Ramway Street and Westward Avenue in the City of Banning
 County Project No.: CD-0929, Federal ID No. TCIFL - 6866(217)
 Contract No. 13-11-003

Contractor: Riverside Construction Company
 Address: P.O. Box 1146
 Riverside, CA 92501

Estimate No. 37 FINAL
 From: May 28, 2018
 To: July 25, 2018

Item No.	Item Description	Units	Quantity	Unit Price	Original Contract Amount	Change Orders Amount	Amended Contract Amount	This Estimate Amount	Previous Quantity	Total Estimate To Date	% Auth.
PROJECT TOTAL											
					18,237,589.00	1,004,969.47	19,242,558.47	83,077.00		18,106,400.72	

Made by: JAY CROSBIE
 Checked by: [Signature] 7/12/18
 OK Const. Supv. [Signature]

Working Days: 360
 Days Added: 101
 Subtotal: 461
 Days Used: 461
 % Time Elapsed: 100%

Start Date: 3-17-14
 End Date: 4-28-16
 % \$ Complete: 89%
 Original Contract: \$18,237,589.00
 Amended Contract: \$19,242,558.47

TOTAL VALUE OF WORK TO DATE: \$19,106,400.72
 LESS RETENTION: 0%
 TOTAL DUE TO DATE: \$19,106,400.72
 LESS PREVIOUSLY INVOICED: 19,023,323.72
 LESS LABOR NON COMPLIANCE: 0.00
 TOTAL DUE THIS PAYMENT: \$83,077.00

This Estimate Approved _____ Date: _____ for: _____
 Patricia Romo, Director of Transportation

Quantities on This Estimate Approved _____ Date: 7/12/18
 Riverside Construction Company

PAYMENT APPROVAL

Fund 20000
 Dept ID 21205
 Account 527980
 Project Z-00-05296
 Activity ID Z-3500
 Resource Type CNT
 Signature [Signature]
 Date 8/1/18

Received by Accounts Payable: _____
 By: _____

\$83,077.00

PROJECT: Sunset Avenue at I-10 / Union Pacific Railroad Grade Separation Project, between Ramsey Street and Westward Avenue in the City of Banning
 County Project No.: 03-0929, Federal ID No. TCIFL - 8966(217)
 Contract No. 13-11-003



Contractor: Riverside Construction Company
 Address: P.O. Box 1146
 Riverside, CA 92501

Estimate No. 37 FINAL
 From: May 28, 2018
 To: July 25, 2018

Item No.	Item Description	Units	Quantity	Unit Price	Original Contract Amount	Change Orders Amount	Averaged Contract Amount	Quantity	This Estimate Amount	Previous Quantity	Total Estimate To Date		% Adu.
											Amount	Quantity	
1	RESIDENT ENGINEERS OFFICE	LS	1	65,000.00	65,000.00		1.00		65,000.00	1.00	1.00	65,000.00	100%
2	LEAD COMPLIANCE PLAN	LS	1	2,500.00	2,500.00		1.00		2,500.00	1.00	1.00	2,500.00	100%
3	PROGRESS SCHEDULE (CRITICAL PATH METHOD)	LS	1	15,000.00	15,000.00		1.00		15,000.00	1.00	1.00	15,000.00	100%
4	CONSTRUCTION AREA SIGNS	LS	1	25,000.00	25,000.00		1.00		25,000.00	1.00	1.00	25,000.00	100%
5	TRAFFIC CONTROL SYSTEM	LS	1	100,000.00	100,000.00		1.00		100,000.00	1.00	1.00	100,000.00	100%
6	TYPE III BARRICADE & CCO 5	EA	10	100.00	1,000.00	1,800.00	28.00	18.00	2,800.00	28.00	28.00	2,800.00	100%
7	TEMPORARY PAVEMENT MARKING (PAINT)	SQFT	928	5.00	4,640.00		928.00		4,640.00	710.00	710.00	3,560.00	77%
8	TEMPORARY TRAFFIC STRIPE (PAINT) & CCO 5	LF	3,543	2.00	7,086.00	2,486.00	4,786.00	1,243.00	9,572.00	4,786.00	4,786.00	9,572.00	100%
9	CHANNELIZER (SURFACE MOUNTED)	EA	60	35.00	2,100.00		60.00		2,100.00	62.00	62.00	2,170.00	103%
10	TRAFFIC PLASTIC DRUM & CCO 5	EA	50	100.00	5,000.00		71.00	21.00	7,100.00	71.00	71.00	7,100.00	100%
11	TEMPORARY PAVEMENT MARKER	EA	61	15.00	915.00		61.00		915.00				0%
12	PORTABLE CHANGEABLE MESSAGE SIGN	EA	14	5,000.00	70,000.00		14.00		70,000.00				93%
13	TEMPORARY RAILING (TYPE K)	LF	5,200	12.00	62,400.00		5,200.00		62,400.00	6,250.00	6,250.00	75,000.00	120%
14	TEMPORARY CRASH CUSHION MODULE	EA	22	250.00	5,500.00		22.00		5,500.00	22.00	22.00	5,500.00	100%
15	JOB SITE MANAGEMENT	LS	1	75,000.00	75,000.00		1.00		75,000.00	1.00	1.00	75,000.00	100%
16	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	1	9,000.00	9,000.00		1.00		9,000.00	1.00	1.00	9,000.00	100%
17	RAIN EVENT ACTION PLAN	EA	48	250.00	12,000.00		48.00		12,000.00	22.00	22.00	5,500.00	46%
18	STORM WATER SAMPLING AND ANALYSIS DAY & CCO 5S1	EA	1	500.00	500.00		11.00	10.00	5,500.00	11.00	11.00	5,500.00	100%
19	STORM WATER ANNUAL REPORT	EA	2	1,500.00	3,000.00		2.00		3,000.00	2.00	2.00	3,000.00	100%
20	MOVE-IN/MOVE-OUT (TEMPORARY EROSION CONTROL)	EA	8	500.00	4,000.00		8.00		4,000.00	8.00	8.00	4,000.00	100%
21	TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX)	SQYD	118,000	0.50	59,000.00		118,000.00		59,000.00	47,251.00	47,251.00	23,625.50	40%
22	TEMPORARY CHECK DAM	LF	600	15.00	9,000.00		600.00		9,000.00	600.00	600.00	9,000.00	100%
23	TEMPORARY DRAINAGE INLET PROTECTION	EA	56	150.00	8,400.00		56.00		8,400.00	22.00	22.00	3,300.00	39%
24	TEMPORARY FIBER ROLL	LF	114,000	1.50	171,000.00		114,000.00		171,000.00	23,461.23	23,461.23	35,191.65	21%
25	TEMPORARY SILT FENCE	LF	3,957	3.00	11,871.00		3,957.00		11,871.00	3,683.00	3,683.00	11,049.00	93%
26	TEMPORARY CONSTRUCTION ENTRANCE	EA	8	6,500.00	52,000.00		8.00		52,000.00	10.00	10.00	65,000.00	125%



Contractor: Riverside Construction Company
 Address: P.O. Box 1148
 Riverside, CA 92501

Estimate No. 37 FINAL
 From: May 26, 2018
 To: July 25, 2018

PROJECT: Summit Avenue at I-15 / Union Pacific Railroad Grade Separation Project, between Ramsey Street and Westward Avenue in the City of Banning
 County Project No.: CP-0529, Federal ID No. TCIFL - 8956(217)
 Contract No. 13-11-003

Item No.	Item Description	Units	Quantity	Unit Price	Original Contract Amount	Change Orders	Amended Contract		This Estimate		Total Estimate To Date		% Auth.
							Quantity	Amount	Quantity	Amount	Quantity	Amount	
27	STREET SWEEPING	LS	1	50,000.00	50,000.00		1.00	50,000.00	1.00	1.00	50,000.00	100%	
28	TEMPORARY CONCRETE WASHOUT FACILITY	LS	1	10,000.00	10,000.00		1.00	10,000.00	1.00	1.00	10,000.00	100%	
29	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	LF	1,361	3.00	4,083.00		1,361.00	4,083.00	1,361.00	1,361.00	4,083.00	100%	
30	REMOVE CHAIN LINK FENCE & CCO 10	LF	3,360	5.00	16,800.00	1,575.00	3,675.00	18,375.00	3,675.00	3,675.00	18,865.00	106%	
31	REMOVE METAL BEAM GUARD RAILING	LF	1,890	10.00	18,900.00		1,890.00	18,900.00	1,890.00	1,890.00	19,375.00	103%	
32	REMOVE THERMOPLASTIC TRAFFIC STRIPE	LF	1,328	2.00	2,656.00		1,328.00	2,656.00	1,328.00	1,328.00	2,656.00	100%	
33	REMOVE THERMOPLASTIC PAVEMENT MARKING	SQFT	53	2.00	106.00		53.00	106.00	53.00	53.00	106.00	100%	
34	REMOVE ROADSIDE SIGN	EA	7	100.00	700.00		7.00	700.00	7.00	7.00	700.00	100%	
35	REMOVE ASPHALT CONCRETE DIKE & CCO 5	LF	1,520	1.00	1,520.00	5,599.00	7,119.00	7,119.00	7,119.00	7,119.00	7,119.00	100%	
36	REMOVE CULVERT	LF	1,322	25.00	33,050.00		1,322.00	33,050.00	1,309.00	1,309.00	32,725.00	99%	
37	REMOVE PIPE & CCO 5S1	LF	2,637	15.00	39,555.00	1,577.00	4,214.00	63,210.00	4,214.00	4,214.00	63,210.00	100%	
38	REMOVE INLET & CCO 5	EA	5	1,500.00	7,500.00	3.00	4,500.00	12,000.00	8.00	8.00	12,000.00	100%	
39	REMOVE HEADWALL	EA	5	1,500.00	7,500.00		5.00	7,500.00	4.00	4.00	6,000.00	80%	
40	REMOVE MANHOLE	EA	1	1,500.00	1,500.00		1.00	1,500.00	1.00	1.00	1,500.00	100%	
41	REMOVE FIRE HYDRANT	EA	2	1,500.00	3,000.00		2.00	3,000.00	2.00	2.00	3,000.00	100%	
42	COLD PLANE ASPHALT CONCRETE PAVEMENT & CCO S51	SQYD	130	35.00	4,550.00	186.00	316.00	11,060.00	316.00	316.00	11,060.00	100%	
43	REMOVE CONCRETE SIDEWALK	LF	1,043	5.00	5,215.00		1,043.00	5,215.00	945.00	945.00	4,725.00	91%	
44	REMOVE CONCRETE (CURB AND GUTTER)	LF	1,585	5.00	7,925.00		1,585.00	7,925.00	1,304.00	1,304.00	6,520.00	82%	
45	REMOVE CONCRETE (CHANNEL) & CCO 20	CY	350	90.00	31,500.00		673.00	60,570.00	781.00	781.00	66,490.00	113%	
46	CLEARING AND GRUBBING	ACRE	9	6,300.00	56,700.00		9.00	56,700.00	9.00	9.00	56,700.00	100%	
47	DEVELOP WATER SUPPLY	LS	1	50,000.00	50,000.00		1.00	50,000.00	1.00	1.00	50,000.00	100%	
48	ROADWAY EXCAVATION CCO 10	CY	100,000	11.00	1,100,000.00	6,471.00	106,471.00	1,171,181.00	107,486.73	107,486.73	1,182,354.03	101%	
49	F STRUCTURE EXCAVATION (BRIDGE)	CY	2,288	175.00	400,400.00		2,288.00	400,400.00	2,288.00	2,288.00	400,400.00	100%	
50	F STRUCTURE EXCAVATION (RETAINING WALL)	CY	13,745	60.00	824,700.00		13,745.00	824,700.00	13,745.00	13,745.00	824,700.00	100%	
51	F STRUCTURE EXCAVATION (SOLDIER PILE WALL)	CY	29	250.00	7,250.00		29.00	7,250.00	29.00	29.00	7,250.00	100%	
52	F STRUCTURE EXCAVATION (GROUND ANCHOR WALL)	CY	412	200.00	82,400.00		412.00	82,400.00	412.00	412.00	82,400.00	100%	

PROGRESS ESTIMATE RECORD - COUNTY OF RIVERSIDE
PROJECT: Sunset Avenue at I-10 / Union Pacific Railroad Grade Separation / Project, between Ramsey Street and Westward Avenue in the City of Banning
County Project No.: CD-0528, Federal ID No. TCRFL - 8856(217)
Contract No.: 13-11-003



Contractor: Riverside Construction Company
 P.O. Box 1148
 Riverside, CA 92501

Estimate No.: 37 FINAL
From: May 26, 2018
To: July 26, 2018

Item No.	Item Description	Units	Quantity	Unit Price	Original Contract Amount	Change Orders Quantity	Change Orders Amount	Amended Contract Quantity	Amended Contract Amount	This Estimate Quantity	This Estimate Amount	Previous Quantity	Total Estimate To Date Quantity	Total Estimate To Date Amount	% Auth.
79	P IRRIGATION CONTROLLER ENCLOSURE CABINET	EA	2	3,500.00	7,000.00			2.00	7,000.00	2.00	7,000.00	2.00	2.00	7,000.00	100%
80	WATER METER	EA	2	1.00	2.00			2.00	2.00	2.00	2.00	2.00	2.00	2.00	100%
81	1 1/2" FLOW SENSOR	EA	2	400.00	800.00			2.00	800.00	2.00	800.00	2.00	2.00	800.00	100%
82	P BACKFLOW PREVENTER ASSEMBLY ENCLOSURE	EA	2	1,500.00	3,000.00			2.00	3,000.00	2.00	3,000.00	2.00	2.00	3,000.00	100%
83	P 2" BACKFLOW PREVENTER ASSEMBLY	EA	2	1,250.00	2,500.00			2.00	2,500.00	2.00	2,500.00	2.00	2.00	2,500.00	100%
84	P SPRINKLER (TYPE C-1) & CCO 14	EA	60	20.00	1,200.00	170.00	3,400.00	280.00	4,500.00	239.00	4,790.00	239.00	239.00	4,790.00	104%
85	P SPRINKLER (TYPE A-6) & CCO 14	EA	642	18.00	11,556.00	-642.00	-11,656.00			15.00	3,000.00	15.00	15.00	3,000.00	125%
86	P 2" GATE VALVE	EA	12	200.00	2,400.00			12.00	2,400.00						N/A
87	PF 3/4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) & CCO 14	LF	6,529	3.00	19,587.00	-6,529.00	-19,587.00			5,736.00	17,208.00	5,736.00	5,736.00	17,208.00	100%
88	PF 1" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) & CCO 14	LF	2,794	3.00	8,382.00	2,942.00	8,826.00	5,736.00	17,208.00						N/A
89	PF 1 1/4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) & CCO 14	LF	6,978	3.25	22,678.50	-6,978.00	-22,878.50			2,326.00	2,085.00	2,326.00	2,326.00	2,085.00	100%
90	PF 1 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) & CCO 14	LF	2,627	3.50	9,184.50	-301.00	-1,053.50	2,326.00	6,141.00					6,141.00	100%
91	PF 2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) & CCO 14	LF	3,082	7.50	23,115.00	-2,804.00	-21,030.00	2,326.00	2,085.00	278.00	2,085.00	278.00	278.00	2,085.00	100%
92	PF 3" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) & CCO 14	LF	316	12.00	3,792.00	-316.00	-3,792.00			45.00	540.00	45.00	45.00	540.00	N/A
93	F 12" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT	LF	328	46.00	14,780.00			328.00	14,780.00	328.00	14,780.00	328.00	328.00	14,780.00	100%
94	RECYCLED WATER WARNING SIGNS	LS	1	1,500.00	1,500.00			1.00	1,500.00	1.00	1,500.00	1.00	1.00	1,500.00	100%
95	HYDROSEED & CCO 14	SQFT	171,405	0.08	10,284.30	23,353.00	1,401.18	184,758.00	11,685.48			184,758.00	184,758.00	11,685.48	100%
96	FINISHING ROADWAY	LS	1	75,000.00	75,000.00			1.00	75,000.00	1.00	75,000.00	1.00	1.00	75,000.00	100%
97	CLASS 2 AGGREGATE SUBBASE	CY	398	60.00	23,880.00			398.00	23,880.00	398.00	23,880.00	398.00	398.00	23,880.00	100%
98	CLASS 2 AGGREGATE BASE & CCO 10	CY	2,801	58.00	162,458.00	55.16	3,199.28	2,856.16	165,657.28	2,854.04	165,554.32	2,854.04	2,854.04	165,554.32	100%
99	LEAN CONCRETE BASE	CY	284	175.00	49,700.00			284.00	49,700.00	278.62	48,758.50	278.62	278.62	48,758.50	98%
100	ASPHALTIC EMULSION (FOG SEAL COAT)	TON	1	800.00	800.00			1.00	800.00						0%
101	HOT MIX ASPHALT (TYPE C) & CCO 10	TON	15,998	65.00	1,039,870.00	63.70	4,140.50	16,061.70	1,044,010.50			16,897.50	16,897.50	1,099,337.50	105%
102	HOT MIX ASPHALT (TYPE A BOND BREAKER)	TON	110	135.00	14,850.00			110.00	14,850.00	117.93	15,920.55	117.93	117.93	15,920.55	107%
103	HOT MIX ASPHALT (TYPE A)	TON	53	130.00	6,890.00			53.00	6,890.00	58.25	7,572.50	58.25	58.25	7,572.50	110%
104	MINOR HOT MIX ASPHALT & CCO 10	TON	138	70.00	9,520.00	14.26	998.20	150.26	10,518.20	185.16	12,981.20	185.16	185.16	12,981.20	123%

PROJECT: Sunser Avenue at 110 Union Pacific Railroad Grade Separation Project, between Rainey Street and Westward Avenue in the City of Blanning
 County Project No.: CB-0629, Federal ID No.: TCFL - 586(217)
 Contract No.: 13-11-003



Contractor: Riverside Construction Company
 Address: P.O. Box 1146
 City, State, Zip: Riverside, CA 92501

Estimate No.: 37 FINAL
 From: May 28, 2018
 To: July 25, 2018

Item No.	Item Description	Units	Quantity	Unit Price	Original Contract		Charge Orders		Amended Contract		This Estimate		Previous		Total Estimate To Date		% Auth.
					Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	
105	RUBBERIZED HOT MIX ASPHALT (GAP GRADED)	TON	2,070	95.00	196,650.00	2,070	196,650.00	2,070.00	196,650.00	2,070.00	2,288.35	2,288.35	2,288.35	217,393.25	111%		
106	PLACE HOT MIX ASPHALT DIKE (TYPE A)	LF	500	2.00	1,000.00	500	1,000.00	500.00	1,000.00	500.00	500.00	500.00	1,000.00	100%			
107	PLACE HOT MIX ASPHALT DIKE (TYPE C)	LF	78	2.00	156.00	78	156.00	78.00	156.00	77.00	77.00	77.00	154.00	98%			
108	PLACE HOT MIX ASPHALT DIKE (TYPE E)	LF	4,100	2.00	8,200.00	4,100	8,200.00	4,100.00	8,200.00	3,652.00	3,652.00	3,652.00	7,304.00	89%			
109	PLACE HOT MIX ASPHALT DIKE (TYPE F)	LF	30	2.00	60.00	30	60.00	30.00	60.00	25.00	25.00	25.00	50.00	83%			
110	PLACE HOT MIX ASPHALT DIKE (TYPE E) (MOD)	LF	670	2.00	1,340.00	670	1,340.00	670.00	1,340.00	655.00	655.00	655.00	1,310.00	98%			
111	LIQUID ASPHALT (PRIME COAT)	TON	32	800.00	25,600.00	32	25,600.00	32.00	25,600.00	8.52	8.52	8.52	6,816.00	27%			
112	TACK COAT	TON	20	800.00	16,000.00	20	16,000.00	20.00	16,000.00	5.43	5.43	5.43	4,344.00	27%			
113	JOINED PLAIN CONCRETE PAVEMENT	CY	568	365.00	207,320.00	568	207,320.00	568.00	207,320.00	598.00	598.00	598.00	217,540.00	105%			
114	SEAL PAVEMENT JOINT	LF	2,320	12.00	27,840.00	2,320	27,840.00	2,320.00	27,840.00	2,384.00	2,384.00	2,384.00	28,608.00	103%			
115	SEAL ISOLATION JOINT	LF	160	14.00	2,240.00	160	2,240.00	160.00	2,240.00	189.00	189.00	189.00	2,646.00	118%			
116	P GROUND ANCHOR	EA	38	3,500.00	133,000.00	38	133,000.00	38.00	133,000.00	38.00	38.00	38.00	133,000.00	100%			
117	P SOLDIER PILE (HP 12x63)	LF	792	30.00	23,760.00	792	23,760.00	792.00	23,760.00	792.00	792.00	792.00	23,760.00	100%			
118	P SOLDIER PILE (HP 10x57)	LF	561	28.00	15,708.00	561	15,708.00	561.00	15,708.00	561.00	561.00	561.00	15,708.00	100%			
119	24" DRILLED HOLE	LF	139	150.00	20,850.00	139	20,850.00	139.00	20,850.00	139.00	139.00	139.00	20,850.00	100%			
120	36" DRILLED HOLE	LF	320	150.00	48,000.00	320	48,000.00	320.00	48,000.00	320.00	320.00	320.00	48,000.00	100%			
121	40" DRILLED HOLE	LF	424	150.00	63,600.00	424	63,600.00	424.00	63,600.00	424.00	424.00	424.00	63,600.00	100%			
122	P FURNISH STEEL PILING (HP 10 X 57)	LF	4,248	24.00	101,952.00	4,248	101,952.00	4,248.00	101,952.00	4,243.39	4,243.39	4,243.39	101,841.36	100%			
123	DRIVE STEEL PILE (HP 10 X 57)	EA	102	1,350.00	137,700.00	102	137,700.00	102.00	137,700.00	102.00	102.00	102.00	137,700.00	100%			
124	P FURNISH STEEL PILING (HP 14 X 89)	LF	4,404	38.00	167,352.00	4,404	167,352.00	4,404.00	167,352.00	4,394.40	4,394.40	4,394.40	166,987.20	100%			
125	DRIVE STEEL PILE (HP 14 X 89)	EA	104	1,350.00	140,400.00	104	140,400.00	104.00	140,400.00	104.00	104.00	104.00	140,400.00	100%			
126	P FURNISH STEEL PILING (HP 14 X 117)	LF	2,663	50.00	134,150.00	2,663	134,150.00	2,663.00	134,150.00	2,666.88	2,666.88	2,666.88	133,344.00	99%			
127	DRIVE STEEL PILE (HP 14 X 117)	EA	64	1,350.00	86,400.00	64	86,400.00	64.00	86,400.00	64.00	64.00	64.00	86,400.00	100%			
128	P PRESTRESSING	LS	1	30,000.00	30,000.00	1	30,000.00	1.00	30,000.00	1.00	1.00	1.00	30,000.00	100%			
129	F STRUCTURAL CONCRETE, BRIDGE FOOTING	CY	445	450.00	200,250.00	445	200,250.00	445.00	200,250.00	445.00	445.00	445.00	200,250.00	100%			
130	F STRUCTURAL CONCRETE, BRIDGE	CY	651	700.00	455,700.00	651	455,700.00	651.00	455,700.00	651.00	651.00	651.00	455,700.00	100%			

PROJECT: Sunset Avenue at I-10 Union Pacific Railroad Grade Separation Project, between Ramsey Street and Westward Avenue in the City of Banning
 County Project No.: CO-0839, Federal ID No. TCIFL - 69862(17)
 Contract No. 13-11-003

Contractor: Riverside Construction Company
 Address: P.O. Box 1146
 City, State, Zip: Riverside, CA 92501

Estimate No.: 37 FINAL
 From: May 26, 2018
 To: July 26, 2018



Item No.	Item Description	Units	Quantity	Unit Price	Original Contract Amount	Changes Orders Quantity	Changes Orders Amount	Amended Contract Quantity	Amended Contract Amount	This Estimate Quantity	This Estimate Amount	Previous Quantity	Total Estimate To Date Quantity	Total Estimate To Date Amount	% Auth.
157	RAILROAD TRACK (SHOOFLY EMBANKMENT)	CY	13,542	5.00	67,710.00			13,542.00	67,710.00	12,876.00		12,876.00	12,876.00	64,380.00	95%
158	RAILROAD TRACK (SUBBALLAST (12"))	CY	8,609	40.00	344,360.00			8,609.00	344,360.00	9,117.00		9,117.00	9,117.00	364,680.00	100%
159	RAILROAD TRACK (BALLASTED (SHOOFLY))	TF	5,332	250.00	1,333,000.00			5,332.00	1,333,000.00	5,330.41		5,330.41	5,330.41	1,332,602.50	100%
160	RAILROAD TRACK (FLAGGING)	WDAY	180	1,200.00	216,000.00			180.00	216,000.00	216.24		216.24	216.24	259,488.00	120%
161	RAILROAD TRACK (RELATIONS WITH RAILROAD)	LS	1	100,000.00	100,000.00			1.00	100,000.00	1.00		1.00	1.00	100,000.00	100%
162	P 18" REINFORCED CONCRETE PIPE & CCO 10	LF	316	100.00	31,600.00	4.92	492.00	320.92	32,092.00	399.90		399.90	399.90	39,990.00	125%
163	P 24" REINFORCED CONCRETE PIPE & CCO 10	LF	1,188	90.00	106,920.00	72.08	6,487.20	1,260.08	113,407.20	1,223.06		1,223.06	1,223.06	110,077.20	97%
164	P 30" REINFORCED CONCRETE PIPE & CCO 10	LF	131	130.00	17,030.00	189.86	24,681.60	320.66	41,711.60	328.00		328.00	328.00	42,380.00	102%
165	P 36" REINFORCED CONCRETE PIPE	LF	739	140.00	103,460.00			739.00	103,460.00	746.00		746.00	746.00	104,440.00	101%
166	P 42" REINFORCED CONCRETE PIPE & CCO 10	LF	114	165.00	18,810.00	18.75	2,763.75	130.75	21,573.75	132.00		132.00	132.00	21,780.00	107%
167	P 54" REINFORCED CONCRETE PIPE & CCO 10	LF	767	200.00	153,400.00	-16.80	-3,360.00	750.20	150,040.00	766.00		766.00	766.00	153,200.00	102%
168	P 60" REINFORCED CONCRETE PIPE	LF	965	260.00	250,900.00			965.00	250,900.00	968.00		968.00	968.00	251,690.00	100%
169	6" PLASTIC PIPE (WALL DRAIN)	LF	359	30.00	10,770.00			359.00	10,770.00	372.00		372.00	372.00	11,160.00	104%
170	DRAINAGE INLET MARKER	EA	27	200.00	5,400.00			27.00	5,400.00	27.00		27.00	27.00	5,400.00	100%
171	36" PRECAST CONCRETE PIPE MANHOLE	LF	67	300.00	20,100.00			67.00	20,100.00	71.09		71.09	71.09	21,327.00	106%
172	15" CLAY SEWER PIPE (MITRIED)	LF	2,767	115.00	318,205.00			2,767.00	318,205.00	2,787.00		2,787.00	2,787.00	318,205.00	100%
173	24" DUCTILE IRON PIPE & CCO 15	LF	2,785	260.00	724,100.00	-43.00	-11,180.00	2,742.00	712,920.00	2,742.00		2,742.00	2,742.00	712,920.00	100%
174	SEWER MANHOLE	EA	9	5,500.00	49,500.00			9.00	49,500.00	9.00		9.00	9.00	49,500.00	100%
175	36" STEEL CASING	LF	1,235	170.00	209,950.00			1,235.00	209,950.00	1,238.00		1,238.00	1,238.00	210,460.00	100%
176	FIRE HYDRANT	EA	2	7,500.00	15,000.00			2.00	15,000.00	2.00		2.00	2.00	15,000.00	100%
177	2" STEEL CONDUIT AND APPURTENANCES	LF	1,700	4.00	6,800.00			1,700.00	6,800.00	1,700.00		1,700.00	1,700.00	6,800.00	100%
178	F ROCK SLOPE PROTECTION (LIGHT, METHOD B)	CY	18	225.00	4,050.00			18.00	4,050.00	18.00		18.00	18.00	4,050.00	100%
179	P ROCK SLOPE PROTECTION FABRIC (CLASS 8)	SQYD	22	25.00	550.00			22.00	550.00	22.00		22.00	22.00	550.00	100%
180	MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION) & CCO 10	CY	14	350.00	4,900.00	4.87	1,634.50	18.67	6,534.50	19.67		19.67	19.67	6,884.50	105%
181	MINOR CONCRETE (CURB AND GUTTER)	CY	184	385.00	70,840.00			184.00	70,840.00	181.31		181.31	181.31	73,654.95	104%
182	MINOR CONCRETE (SIDEWALK) & CCO 10	CY	191	325.00	62,075.00	6.05	1,966.25	197.06	64,041.25	191.45		191.45	191.45	62,221.25	97%



Riverside Construction Company
P.O. Box 1146
Riverside, CA 92501

Contractor:
Address:
City, State, Zip:

PROJECT: Sunset Avenue at I-15/Union Pacific Railroad Grade Separation Project, between Ramsey Street and Westward Avenue in the City of Banning
County Project No.: CO-0529, Federal ID No. TCRF - 6956(217)
Contract No. 13-11-003

Item No.	Item Description	Units	Quantity	Unit Price	Original Contract Amount	Change Orders	Amended Contract	This Estimate	Previous	Total Estimate To Date	% Auth.
					Amount	Amount	Amount	Amount	Quantity	Quantity	Amount
183	MINOR CONCRETE (CURB RAMPS) & CCO SS1	CY	10	825.00	6,250.00	4.33	14.33	8,956.25	14.33	14.33	8,956.25 100%
184	PF MISCELLANEOUS IRON AND STEEL	LB	6,246	3.00	18,738.00		6,246.00	18,738.00	6,246.00	6,246.00	18,738.00 100%
185	P MISCELLANEOUS METAL (BRIDGE) & CCO SS1	LB	20,496	4.00	81,984.00	6,869.50	27,365.50	109,462.00	27,365.50	27,365.50	109,462.00 100%
186	ARCHITECTURAL FEATURE (METAL SHEET) & CCO 20	LB	220	50.00	11,000.00	55.00	275.00	13,750.00	275.00	275.00	13,750.00 100%
187	ARCHITECTURAL FEATURE (PERFORATED METAL)	LB	316	50.00	15,800.00		316.00	15,800.00	316.00	316.00	15,800.00 100%
188	P CHAIN LINK FENCE (TYPE CL-9) & CCO 10	LF	3,000	15.00	45,000.00	600.00	3,600.00	54,000.00	3,600.00	3,600.00	54,000.00 100%
189	F SURVEY MONUMENT (TYPE A) & CCO SS1	EA	2	1,250.00	2,500.00	-2.00		-2,500.00			N/A
190	F SURVEY MONUMENT (TYPE D) & SS1	EA	3	750.00	2,250.00	-3.00		-2,250.00			N/A
191	DELINATOR (CLASS 1)	EA	14	35.00	490.00		14.00	490.00			0%
192	GUARD RAILING DELINEATOR	EA	2	150.00	300.00		2.00	300.00	2.00	2.00	300.00 100%
193	PF CHAIN LINK RAILING (TYPE 7)	LF	414	85.00	35,190.00		414.00	35,190.00	414.00	414.00	35,190.00 100%
194	METAL RAILING (DECORATIVE)	LF	470	360.00	169,200.00		470.00	169,200.00	470.00	470.00	171,360.00 101%
195	PF CABLE RAILING	LF	1,047	20.00	20,940.00		1,047.00	20,940.00	1,047.00	1,047.00	20,940.00 100%
196	P TRANSITION RAILING (TYPE WB)	EA	1	3,500.00	3,500.00		1.00	3,500.00	1.00	1.00	3,500.00 100%
197	ALTERNATIVE IN-LINE TERMINAL SYSTEM	EA	1	3,500.00	3,500.00		1.00	3,500.00	1.00	1.00	3,500.00 100%
198	CONCRETE BARRIER (TYPE 60)	LF	1,100	35.00	38,500.00		1,100.00	38,500.00	1,100.00	1,100.00	38,500.00 100%
199	CONCRETE BARRIER (TYPE 60D) (MODIFIED)	LF	520	75.00	39,000.00		520.00	39,000.00	492.00	492.00	36,900.00 95%
200	THERMOPLASTIC PAVEMENT MARKING	SQFT	1,200	4.00	4,800.00		1,200.00	4,800.00	1,200.00	1,200.00	4,800.00 100%
201	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)	LF	15,100	0.50	7,550.00		15,100.00	7,550.00	15,712.00	15,712.00	7,858.00 104%
202	PAVEMENT MARKER (RETROREFLECTIVE)	EA	384	6.00	2,304.00		384.00	2,304.00	413.00	413.00	2,478.00 108%
203	P SIGNAL AND LIGHTING (LOCATION 1)	LS	1	135,000.00	135,000.00		1.00	135,000.00	1.00	1.00	135,000.00 100%
204	P SIGNAL AND LIGHTING (LOCATION 2)	LS	1	125,000.00	125,000.00		1.00	125,000.00	1.00	1.00	125,000.00 100%
205	P SIGNAL AND LIGHTING (LOCATION 3)	LS	1	95,000.00	95,000.00		1.00	95,000.00	1.00	1.00	95,000.00 100%
206	P LIGHTING	LS	1	45,000.00	45,000.00		1.00	45,000.00	1.00	1.00	45,000.00 100%
207	ELECTRIC SERVICE (IRRIGATION)	LS	1	10,000.00	10,000.00		1.00	10,000.00	1.00	1.00	10,000.00 100%
208	COURSE OF CONSTRUCTION INSURANCE	LS	1	65,000.00	65,000.00		1.00	65,000.00	1.00	1.00	65,000.00 100%

PROJECT: Sunset Avenue at I-15 / Union Pacific Railroad Grade Separation Project, between Ramsey Street and Westward Avenue in the City of Banning
 County Project No.: CD-9529, Federal ID No. TCRFL - 6866(217)
 Contract No. 13-11-003

Contractor: Riverside Construction Company
 Address: P.O. Box 1148
 Riverside, CA 92501



Estimate No. 37 FINAL
 From: May 28, 2018
 To: July 25, 2018

Item No.	Item Description	Units	Quantity	Unit Price	Original Contract		Change Orders		Amended Contract		This Estimate		Previous		Total Estimate To Date	% Auth.
					Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity		
209	OBTAIN ENCROACHMENT PERMIT	FA	1	20,000.00	20,000.00	1.00			20,000.00	1.00			1.00		20,000.00	100%
210	DUST ABATEMENT	LS	1	25,000.00	25,000.00	1.00			25,000.00	1.00			1.00		25,000.00	100%
211	MOBILIZATION, DEMOBILIZATION, AND FINAL CLEAN UP	LS	1	1,150,000.00	1,150,000.00	1.00			1,150,000.00	1.00			1.00		1,150,000.00	100%
212	ITEM DELETED PER ADDENDUM No. 2		0	0.00	0.00											N/A
213	STATE FURNISHED MATERIALS	FA	1	65,000.00	65,000.00	1.00			65,000.00	1.00						0%

CHANGE ORDER REPORT
(Sunset Avenue Grade Separation Project)

CCO #	Amount	Percent	Description
	Original Contract Amount \$18,237,589		
1	\$0.00	0.00%	Contract language was modified to allow additional ramp closure time for Stage 1 construction in order to minimize inconvenience to the public and improve project safety. The modification to the specifications increased the Sunset Ave. WB On and Off Ramp Closure to 6 Weeks. This was agreed upon by multiple agencies.
2	\$50,000	0.27%	Miscellaneous extra work was required to address items that were unanticipated by the contract and for the sole convenience of the public.
2S1	\$32,000	0.18%	Miscellaneous extra work was required to address items that were unanticipated by the contract and for the sole convenience of the public.
3	\$0.00	0.00%	Modified specification language to allow for additional ramp closure time for Stage 2 construction. An 8 month extension of EB off and on ramp closure at Sunset Avenue was necessary in order to finish all required work in Stage 2. This change was for the interest of worker and public safety.
4	\$96,800	0.53%	While excavating the foundation system for the Sound Wall construction at the WB on ramp, it was determined that the existing soil contained saturated loose materials. The Sound Wall footing design was modified with the best suitable option to meet the existing soil conditions.
5	\$16,485	0.09%	During Stage 1 and 2 construction, several contract bid item quantities went over 125% of the anticipated bid quantities.
5S1	\$65,229	0.36%	During Stages 1, 2, 3, and 4 of Construction duration, several additional contract bid item quantities went over 125% of the anticipated bid quantities. This CCO also eliminated additional bid items.
6	\$27,000	0.15%	During Stage 2 roadway excavation, the existing I-10 freeway bridge abutment surfaces were exposed at the locations where the grade was lowered. As directed by the Engineer, the Contractor repaired existing bridge abutment texture and applied a new stucco finish to match existing abutment surfaces.
7	\$12,000	0.07%	There was an existing shallow 6" gas line between Stations 22+00 to 23+50 within the project limits. In order to protect this existing facility, the Contractor was directed to construct a revised protective structural section over this facility in order to avoid costly utility relocations delays and keep the project on schedule.
8	\$50,000	0.27%	During stage 2 construction, Caltrans requested the County make electrical modifications to the power source for the Bridge abutments wall mount lights and the signal poles at EB off/on ramps power service. Also, the project plans did not show a new connection to an existing overhead sign. A revised plan was prepared by the Design Engineer to

CHANGE ORDER REPORT
(Sunset Avenue Grade Separation Project)

			connect the existing overhead sign to the Caltrans' new electrical service at EB on ramp.
8S1	\$15,000	0.08%	During stages 2, 3 & 4, with approval from Caltrans oversight Engineer, the Contractor was directed by the County to install various additional electrical items not included in the contract documents.
9	\$15,000	0.08%	This contract change order provides compensation to the Contractor for half of all the costs (50%) associated in establishing the Dispute Resolution Board (DRB) as specified in the Contract Documents
10	\$124,759	0.68%	Construction of a new access driveway on the north side of the railroad bridge was necessary to give the UPRR maintenance access to their facilities and maintain access to leased billboards located within their easement. This was reviewed and accepted by the UPRR construction manager.
10S1	\$46,742	0.26%	Additional items were required to complete the UPRR access road. These items include Minor Concrete for Drainage structures, Miscellaneous iron and steel for drainage structures, Double Gate at the chain link fence, and a Hot Mix Asphalt Dike. With stated contract bid items, Street Sweeping and Dust Abatement items were also increased. The Contractor requested to track any additional work on Time and Material basis due to not having enough time allowed during Stage 4 construction.
11	-\$10,000	-0.05%	Surface grind was performed to achieve the surface smoothness requirements as well as necessary coefficient of friction under "California Test 342". A lump sum credit was given to the County from the Contractor due to a low spot area along the edge line of EB off ramp concrete ramp termini. This low spot was reviewed and accepted by Caltrans
12	\$0.00	0.00%	An extension of 47 non-compensable working days was granted since the UPRR track crew was not available for the mainline switch over until September 2015 with a completion of the switchover in late October 2015. Concurrently, the Contractor delays were due to unreasonable scheduling and poor coordination with UPRR. The County of Riverside and Contractor both agreed that the delays impacted the project completion date of October 9, 2015, and agreed to a revised the completion date to December 21, 2015.
13	\$35,000	0.19%	Curb ramps and sidewalk were removed and replaced because the curb ramps did not meet the minimum 5% grade per the current ADA standards. Also included were retaining curb modifications to satisfy Caltrans traffic operations for access to signal controller and electrical boxes. This additional work was approved by the Designer, Caltrans and the County.
14	-\$18,481	000%	Caltrans and other Agencies were required to scale back their irrigation water consumption as a result of an ongoing drought. In October 2015, Caltrans implemented changes in their landscaping polices and evaluated active projects for

CHANGE ORDER REPORT
(Sunset Avenue Grade Separation Project)

			changes including projects under construction. The landscape and irrigation plans were revised in order to reduce water use. These changes were accepted by Caltrans and the City of Banning.
15	\$20,000	0.11%	A conflict was discovered among existing 30" high pressure gas line and future reclaimed water line along Sunset Avenue. This change order compensates the contractor to revisions recommended by the designer to avoid the utility conflicts.
16	\$25,000	0.14%	The Contractor was reimbursed for half the cost of the SWPPP and sediment control measures as specified in the contract documents.
17	\$82,000	0.45%	The Designer revised plan sheets in order to protect exposed surface of the existing bridge abutment. The revised plan sheets include additional rock blanket, slope grading, concrete gutter, wire mesh, reinforcement and adjustment of electrical pull boxes.
18	\$93,062	0.51%	The Miscellaneous bid item was used to compensate the Contractor for a concrete gutter behind the retaining wall, which was not covered in the structure backfill bid item. The work was performed under Time and Material basis.
19	\$30,000	0.16%	During Stage 4 construction, electrical transformer, service cabinet, fire hydrant, blow off and Storm Drain inlet were installed within a slope area which required retaining system to support the existing improvements during this work. During Stage 3, the Designer revised Abutment 3 drainage details for plan sheet B23 to replace precast junction structure box with PVC manifold. The work was performed under Time and Material basis.
20	\$71,122	0.39%	The Contractor was compensated for connection elements for Bid Item 187, "Architectural Feature (Perforated Metal)" that was not part of the contract documents, increase in Bid Item 45, "Remove Concrete (Channel)" and an increase in Bid item 186, "Architectural Feature (Metal Sheet)".
21	\$8,000	0.04%	The Design Engineer modified the electrical sheets for the wall mounted lighting during construction. The revised drawing showed a new alignment of galvanized conduit running along the existing bridge abutment including expansion joints and pull boxes, (Caltrans Standard Plan 87-7 – Wall Mount Enclosure) which were not shown in original lighting plan.
22	\$66,353	0.36%	Caltrans ADA Compliance performed an ADA inspection and provided items to be corrected prior to Caltrans acceptance of the Project. Recommendations by the Designer include; installing a push button at the modified Type C pedestrian ramp, removal of the pedestrian barricades, repair eroded slopes and the removal and replacement of meandering sidewalk north of the eastbound on/off ramps.
23	\$20,230	0.11%	Caltrans Landscape maintenance requested a change to the irrigation controllers and cabinets prior to Caltrans acceptance. Caltrans removed the remaining of the 3 year

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			landscape maintenance period to help offset these additional costs.
24	\$31,597.00	0.17%	Compensate the contractor to make repairs to the UPRR railroad bridge associated with the impact angle iron connection failure. This work included the placement of temporary fencing in Sunset Avenue to prevent pedestrian traffic from walking beneath the remaining portions of the bridge. This contract change order also included the repair of eroded decomposed granite slopes by placing rock slope protection to mitigate future failures.
Quantity Adjustments	-\$136,157	-0.7%	
Change Order Total and New Contract Total	\$19,242,558		

**COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT**

Sunset Avenue at I-10 / Union Pacific Railroad

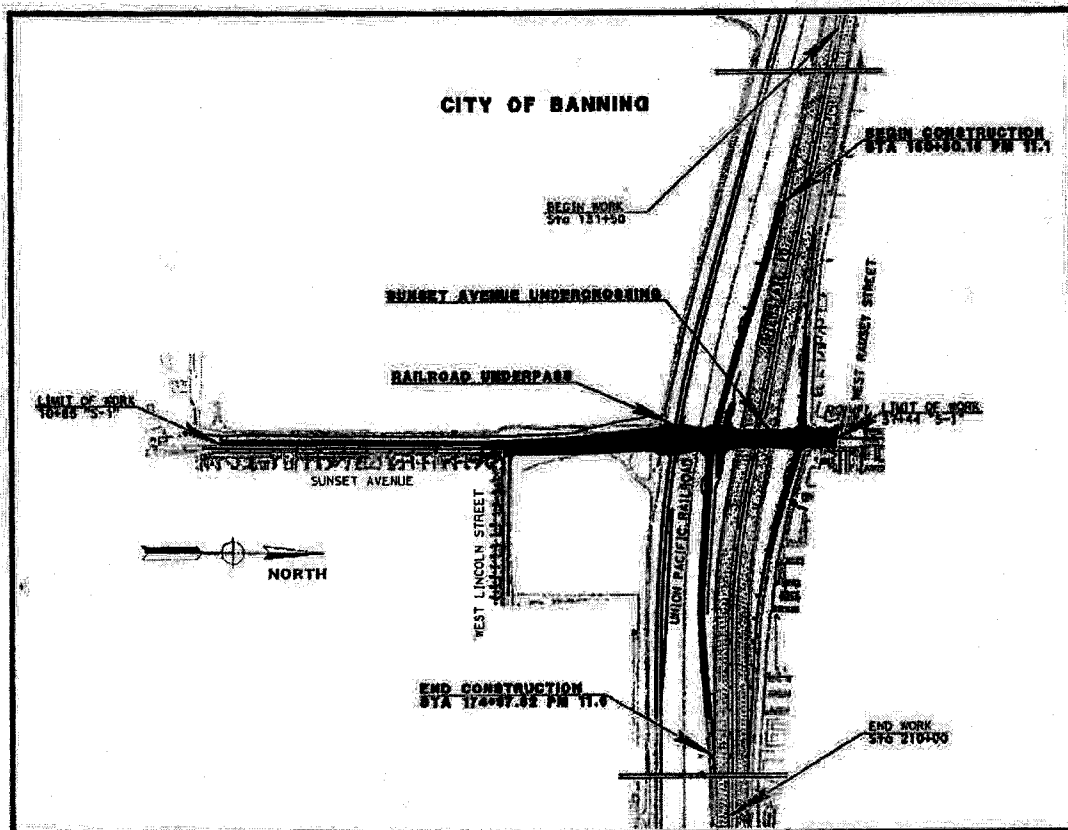
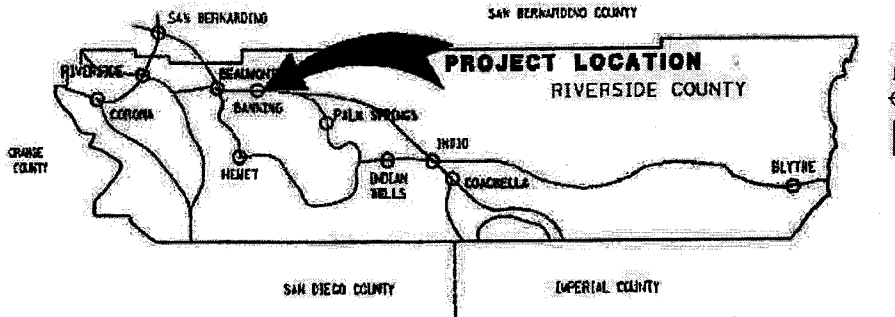
Grade Separation Project

Between Ramsey Street and Westward Avenue

City of Banning

Project No. C0-0529

Federal Aid No. TCIFL-5956(217)



Sections 7 and 8, Township 3S Range 1E
County Road Book pages No. 93

VICINITY MAP