

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

251A



FROM: TLMA – Transportation Department

SUBMITTAL DATE:
October 30, 2014

SUBJECT: Notice of Completion - Interstate 15 at Clinton Keith Road Interchange Improvements, City of Wildomar. 1st/1st District; [\$14,699,521]; Local Funds 100%

RECOMMENDED MOTION: That the Board of Supervisors execute and file the attached "Notice of Completion."

BACKGROUND:

Summary

By Minute Order 3-28 of February 7, 2012, the Board of Supervisors entered into a contract with Griffith Company of Santa Fe Springs, CA for the reconstruction of Interstate 15 (I-15) at Clinton Keith Road Interchange and associated improvements in the City of Wildomar.

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

Departmental Concurrence

FINANCIAL DATA	Current Fiscal Year:	Next Fiscal Year:	Total Cost:	Ongoing Cost:	POLICY/CONSENT (Per Exec. Office)
COST	\$ 14,699,521	\$ 0	\$ 14,699,521	\$ 0	Consent <input type="checkbox"/> Policy <input checked="" type="checkbox"/>
NET COUNTY COST	\$ 0	\$ 0	\$ 0	\$ 0	

SOURCE OF FUNDS: TUMF – Southwest Zone (WRCOG) (40.3%), DIF AP19 Major Improvement Fund – Southwest Area (17.5%), City of Murrieta (8.8%), Southwest Area R & B Benefit District (33.0%), Developer In-Lieu funds (0.2%), The Gas Company (0.2%) There were no General Funds used in this project.	Budget Adjustment: No
	For Fiscal Year: 2014-2015

C.E.O. RECOMMENDATION:

APPROVE

BY:
Tina Grande

County Executive Office Signature

MINUTES OF THE BOARD OF SUPERVISORS

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

Ayes: Jeffries, Stone, Benoit and Ashley
Nays: None
Absent: Tavaglione
Date: November 24, 2014
xc: Transp., Recorder

Kecia Harper-Ihem
Clerk of the Board
By:
Deputy

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

Prev. Agn. Ref.: 2/7/12, Item 3-28 **District:** 1/1 **Agenda Number:**

3-89

BACKGROUND:

Summary (continued)

The originally authorized amount of the contract was \$13,518,675. The total amended contract is \$14,699,521, which is 8.7% more than the originally authorized amount. The increase in the original contract price was the result of nine (9) contract change orders and bid quantity adjustments. The contract change orders are discussed in detail in the attached Change Order Report. The change orders were primarily due to the need to place additional fill material at the ramps and the inclusion of additional safety features.

This work was completed at the direction of the Transportation Department on July 19, 2013; Work Order number A2-0264.

Impact on Residents and Businesses

The Clinton Keith overcrossing was widened to accommodate six through lanes, dual left turn lanes, and right turn lanes approaching ramps. The southbound exit ramp was widened to four lanes, and all other ramps were widened to three lanes. An auxiliary lane was also added to both southbound and northbound 1-15. These improvements have helped to accommodate the heavy traffic volume and have improved the areas traffic circulation, lowering congestion and improving safety.

SUPPLEMENTAL:

Additional Fiscal Information

Budget

Original Contract Amount		\$13,518,675
Total Change Orders Authorized	5.6%	\$759,143
Estimated Pending Change Orders	0.0%	\$0
Authorized Contract Amount		\$14,277,818
* Quantity Adjustments	3.1%	\$421,703
+ CCO FA Adjustments	0.0%	\$0
Total Amended Contract Amount	108.7%	\$14,699,521

Expenditures

Total Progress Payments	\$14,699,521
Estimated Pending Payments	\$0
Total Expenditures	\$14,699,521

(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% 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."

SUBMITTAL TO THE BOARD OF SUPERVISORS, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA
FORM 11: Notice of Completion - Interstate 15 at Clinton Keith Road Interchange Improvements, City of Wildomar. 1st/1st District; [\$14,699,521]; Local Funds 100%

DATE: October 30, 2014

PAGE: 3 of 3

This project was funded with \$5,923,907 of TUMF Southwest Zone funds, \$2,572,416 of DIF AP19 funds, \$1,293,558 of City of Murrieta funds, \$4,850,842 of Southwest Area R & B Benefit District funds, \$29,399 of Developer In-Lieu funds and \$29,399 of The Gas Company funds.

Contract History and Price Reasonableness

N/A

ATTACHMENTS:

- A. Change Order Report

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

DOC # 2014-0454212

11/26/2014 02:34P Fee:NC

Page 1 of 2

Recorded in Official Records

County of Riverside

Larry W. Ward

Assessor, County Clerk & Recorder



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NOTICE OF COMPLETION

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

C
512

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: Interstate 15 at Clinton Keith Road Interchange Improvements

Date of Completion: Date of this notice 11/24/14

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: Griffith Company

Street or legal description of site: Interstate 15 at Clinton Keith Road

Dated: November 24, 2014

Owner: County of Riverside
(Name of Public Entity)

By: Jeff Stone
Chairman, Board of Supervisors
Jeff Stone

STATE OF CALIFORNIA)

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 11/24/14 (Date)

Jeff Stone, Chairman of the Board of Supervisors
Jeff Stone

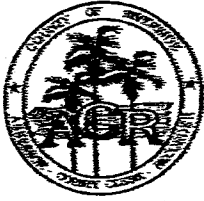
ATTEST:

Kecia Harper-Ihem, Clerk

By Kecia Harper-Ihem Deputy

11.24.14 3-89

2014-12-125319



**LARRY W. WARD
COUNTY OF RIVERSIDE
ASSESSOR-COUNTY CLERK-RECORDER**

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

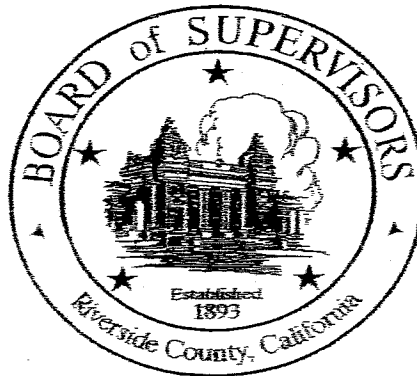
<http://riverside.asrcsrec.com>

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 document)



Date:

11-24-14

Signature:

Karen Barton

Print Name:

Karen Barton, Board Assistant, Riverside County Clerk of the Board

CHANGE ORDER REPORT
(Interstate 15 at Clinton Keith Road Interchange Improvements)

Change Order Number	Contract/ Change Order Amount	Percent	Description
	Original Contract Amount \$13,518,675		
1	\$37,194	0.28%	Bridge mounted sign support beam modification was required due to existing field conditions, provide EVP Transponder for emergency vehicles during temporary construction staging for public safety, cross walk, and signal modifications were required at the intersection of Arya Road and Clinton Keith Road for pedestrian safety.
2	\$0	0.00%	Contractor modified the placement of the concrete pile vertical reinforcement to create space for the PVC inspection tubes required for structural testing.
3	\$317,000	2.34%	Additional import borrow was required to complete all ramp and abutment fills per the improved contract plans.
4	\$0	0.00%	In order to provide continuous two lanes of traffic at the north bound off-ramp for the duration of the project, a 52-hour ramp closure was required to complete a portion of the new concrete off ramp.
5	\$93,661	0.69%	The removal of several conflicting improvements was required at various locations throughout the project in order to construct the improvements per plan and removal and replacement of a spandrel and cross gutter at the intersection Arya Road and Clinton Keith Road. The existing cross gutter was constructed prior to bidding and conflicted with the proposed roadway grades. Additional CMS signs for public notification and awareness; excavate and replace unsuitable earth material discovered on the northbound on-ramp; temporary paving and striping required to improve project staging activities and public impacts; ADA modifications throughout the project to comply with the new Caltrans certification process; additional slope paving required to prevent future erosion concerns; extension of the proposed bridge deck drain pipe system to an existing storm drain facility; additional chain link fencing as required by Caltrans environmental to protect an identified ESA; and additional steel reinforcement required at the bridge deck soffit openings not shown on the approved plans
6	\$56,747	0.42%	Construct a median island between Arya Road and the northbound ramps along Clinton Keith Road to address illegal vehicle turning movements into the common driveway between McDonalds and a Chevron Gas Station for public safety
7	\$10,054	0.07%	Modification of the bridge barrier rail sidewalk to address the new Caltrans ADA certification process

CHANGE ORDER REPORT
(Interstate 15 at Clinton Keith Road Interchange Improvements)

8	\$123,605	0.91%	Southbound ramp drainage inlet, concrete headwall, MBGR, bio-swale, additional traffic signage, and several cross walk push button modifications all resulting from the Caltrans final review process; additional striping associated with the new median island constructed along Clinton Keith; and a new signal straight arm for a new street name sign at Hidden Springs
9	\$120,882	0.89%	Additional work increasing the following contract items to over 125%: Items 67, 20, 31, 32, 138, and 139
Quantity Adjustments	421,703	3.1%	
Change Order Total and New Contract Total	\$14,699,521		

PROJECT: I-15 at Clinton Keith Road Interchange Improvements
 County Project No.: A2-0284
 Contract No. 11-12-005

Contractor: Griffith Company
 Address: 12200 Bloomfield Ave.
 City, State, Zip: Santa Fe Springs, CA 90670

Estimate No. 24 Final
 From: May 26, 2014
 To: June 25, 2014



Item No.	Item Description	Units	Quantity	Unit Price	Original Contract Amount	Change Authorized Quantity	Change Authorized Amount	Total Authorized Quantity	Total Authorized Amount	This Estimate Quantity	This Estimate Amount	Previous Quantity	Previous Amount	Total Estimate To Date Quantity	Total Estimate To Date Amount	% Auth.
1	PROGRESS SCHEDULE (CRITICAL PATH METHOD)	LS	1	6,500.00	6,500.00			1.00	6,500.00			0.80		0.80	5,200.00	80%
2	CONTRACTOR FURNISHED RESIDENT ENGINEERS	LS	35,000	1.00	35,000.00			35,000.00	35,000.00			35,000.00		35,000.00	35,000.00	100%
3	TEMPORARY FENCE (TYPE ESA)	LF	250	2.00	500.00			250.00	500.00			250.00		250.00	500.00	100%
4	CONSTRUCTION SITE MANAGEMENT	LS	15,000	1.00	15,000.00			15,000.00	15,000.00			15,000.00		15,000.00	15,000.00	100%
5	PREPARE STORM WATER POLLUTION PREVENTION	LS	1	2,500.00	2,500.00			1.00	2,500.00			1.00		1.00	2,500.00	100%
6	TEMPORARY FIBER ROLL	LF	26,600	2.00	53,200.00			26,600.00	53,200.00			28,025.00		28,025.00	56,050.00	105%
7	TEMPORARY SILT FENCE	LF	4,930	2.00	9,860.00			4,930.00	9,860.00			4,500.00		4,500.00	9,000.00	91%
8	TEMPORARY CONSTRUCTION ENTRANCE	EA	13	2,610.00	33,930.00			13.00	33,930.00			13.00		13.00	33,930.00	100%
9	TEMPORARY COVER	SQYD	200	6.00	1,200.00			200.00	1,200.00			195.00		195.00	1,170.00	98%
10	TEMPORARY CHECK DAM	LF	2,220	5.50	12,210.00			2,220.00	12,210.00			2,220.00		2,220.00	12,210.00	100%
11	TEMPORARY DRAINAGE INLET PROTECTION	EA	40	275.00	11,000.00			40.00	11,000.00			40.00		40.00	11,000.00	100%
12	STREET SWEEPING	LS	50,000	1.00	50,000.00			50,000.00	50,000.00			50,000.00		50,000.00	50,000.00	100%
13	TEMPORARY CONCRETE WASHOUT BIN	EA	11	1,600.00	17,600.00			11.00	17,600.00			11.00		11.00	17,600.00	100%
14	TEMPORARY SOIL BINDER	SQYD	57,100	0.10	5,710.00			57,100.00	5,710.00			58,120.00		58,120.00	5,812.00	102%
15	RAIN EVENT ACTION PLAN	EA	40	260.00	10,400.00			40.00	10,400.00			24.00		24.00	6,240.00	60%
16	STORM WATER ANNUAL REPORT	EA	2	1,040.00	2,080.00			2.00	2,080.00			1.00		1.00	1,040.00	50%
17	STORM WATER SAMPLING AND ANALYSIS DAY	EA	30	470.00	14,100.00			30.00	14,100.00			2.00		2.00	940.00	7%
18	CONSTRUCTION AREA SIGNS	LS	1	20,000.00	20,000.00			1.00	20,000.00			1.00		1.00	20,000.00	100%
19	TRAFFIC CONTROL SYSTEM	LS	1	240,000.00	240,000.00			1.00	240,000.00			1.00		1.00	240,000.00	100%
20	TEMPORARY PAVEMENT MARKER & CCO 9	SQFT	710	3.10	2,201.00	1,458.00	4,519.80	2,168.00	6,720.80			2,347.00		2,347.00	7,275.70	108%
21	TEMPORARY TRAFFIC STRIPE	LF	82,600	0.40	33,040.00			82,600.00	33,040.00			103,250.00		103,250.00	41,300.00	125%
22	CHANNELIZER (SURFACE MOUNTED)	EA	270	33.00	8,910.00			270.00	8,910.00			245.00		245.00	8,085.00	91%
23	TEMPORARY PAVEMENT MARKER	EA	1,480	4.20	6,216.00			1,480.00	6,216.00			1,810.00		1,810.00	7,602.00	122%
24	TEMPORARY SIGNAL SYSTEM	LS	1	75,050.00	75,050.00			1.00	75,050.00			1.00		1.00	75,050.00	100%

PROJECT: I-15 at Clinton Keith Road Interchange Improvements
 County Project No.: A2-0284
 Contract No. 11-12-005

Contractor: Griffith Company
 12200 Bloomfield Ave.
 Santa Fe Springs, CA 90670

Estimate No. 24 Final
 From: May 26, 2014
 To: June 25, 2014



Item No.	Item Description	Units	Quantity	Unit Price	Original Contract Amount	Change Authorized Quantity	Change Authorized Amount	Total Authorized Quantity	Total Authorized Amount	This Estimate Quantity	This Estimate Amount	Previous Quantity	Total Estimate To Date Quantity	Total Estimate To Date Amount	% Auth.
25	TEMPORARY RAILING (TYPE K)	LF	30,600	8.70	266,220.00			30,600.00	266,220.00			35,360.00	35,360.00	307,632.00	116%
26	TEMPORARY CRASH CUSHION MODULE	EA	200	190.00	38,000.00			200.00	38,000.00			237.00	237.00	45,030.00	119%
27	TEMPORARY TRAFFIC SCREEN	LF	30,600	3.10	94,860.00			30,600.00	94,860.00			30,600.00	30,600.00	94,860.00	100%
28	REMOVE FENCE	LF	590	8.90	5,251.00			590.00	5,251.00			590.00	590.00	5,251.00	100%
29	REMOVE METAL BEAM GUARD RAILING	LF	560	9.40	5,264.00			560.00	5,264.00			560.00	560.00	5,264.00	100%
30	REMOVE FLARED END SECTION	EA	6	155.00	930.00			6.00	930.00			6.00	6.00	930.00	100%
31	REMOVE TRAFFIC STRIPE AND PAVEMENT MARKING & CCO 9	LF	43,700	0.45	19,665.00	45,128.88	20,308.00	88,828.88	39,973.00			99,753.88	99,753.88	44,889.25	112%
32	REMOVE PAVEMENT MARKER & CCO 9	EA	2,770	1.00	2,770.00	4,433.00	4,433.00	7,203.00	7,203.00			7,883.00	7,883.00	7,883.00	109%
33	REMOVE CHANNELIZER (SURFACE MOUNTED)	EA	110	4.20	462.00			110.00	462.00			110.00	110.00	462.00	100%
34	REMOVE ROADSIDE SIGN	EA	26	105.00	2,730.00			26.00	2,730.00			26.00	26.00	2,730.00	100%
35	REMOVE SIGN STRUCTURE	EA	2	1,270.00	2,540.00			2.00	2,540.00			2.00	2.00	2,540.00	100%
36	REMOVE BRIDGE MOUNTED SIGN	EA	1	1,060.00	1,060.00			1.00	1,060.00			1.00	1.00	1,060.00	100%
37	REMOVE RSP	CY	150	53.00	7,950.00			150.00	7,950.00			143.20	143.20	7,589.60	95%
38	REMOVE PIPE	LF	740	33.00	24,420.00			740.00	24,420.00			740.00	740.00	24,420.00	100%
39	REMOVE INLET	EA	11	1,210.00	13,310.00			11.00	13,310.00			12.00	12.00	14,520.00	109%
40	REMOVE HEADWALL	EA	2	1,430.00	2,860.00			2.00	2,860.00			2.00	2.00	2,860.00	100%
41	REMOVE DOWNDRAIN	LF	40	55.00	2,200.00			40.00	2,200.00			40.00	40.00	2,200.00	100%
42	RELOCATE ROADSIDE SIGN	EA	31	250.00	7,750.00			31.00	7,750.00			31.00	31.00	7,750.00	100%
43	COLD PLANE ASPHALT CONCRETE PAVEMENT	SQYD	9,850	1.80	17,730.00			9,850.00	17,730.00			12,300.00	12,300.00	22,140.00	125%
44	REMOVE CONCRETE (CURB AND GUTTER)	LF	1,060	3.40	3,604.00			1,060.00	3,604.00			1,060.00	1,060.00	3,604.00	100%
45	REMOVE CONCRETE SIDEWALK	SQYD	780	5.70	4,446.00			780.00	4,446.00			780.00	780.00	4,446.00	100%
46	REMOVE CONCRETE ISLAND	SQFT	2,030	1.00	2,030.00			2,030.00	2,030.00			2,030.00	2,030.00	2,030.00	100%
47	CAP INLET	EA	8	1,770.00	14,160.00			8.00	14,160.00			8.00	8.00	14,160.00	100%
48	CLEARING AND GRUBBING	LS	1	46,080.00	46,080.00			1.00	46,080.00			1.00	1.00	46,080.00	100%



Estimate No. 24 Final

From: May 26, 2014
 To: June 25, 2014

Item No.	Item Description	Units	Quantity	Unit Price	Original Contract Amount	Change Authorized		Total Authorized		This Estimate Quantity	This Estimate Amount	Previous Quantity	Previous Amount	Total Estimate To Date		% Auth.
						Quantity	Amount	Quantity	Amount					Quantity	Amount	
49	DEVELOP WATER SUPPLY	LS	1	10,470.00	10,470.00			1.00	10,470.00			1.00	10,470.00	1.00	10,470.00	100%
50	ROADWAY EXCAVATION	CY	44,500	12.00	534,000.00			44,500.00	534,000.00			55,564.20	666,770.40	55,564.20	666,770.40	125%
51	LEAD COMPLIANCE PLAN	LS	1	1,570.00	1,570.00			1.00	1,570.00			1.00	1,570.00	1.00	1,570.00	100%
52 (F)	STRUCTURE EXCAVATION (RETAINING WALL)	CY	2,969	12.50	37,112.50			2,969.00	37,112.50			2,969.00	37,112.50	2,969.00	37,112.50	100%
53 (F)	STRUCTURE BACKFILL (RETAINING WALL)	CY	2,779	22.00	61,138.00			2,779.00	61,138.00			2,779.50	61,149.00	2,779.50	61,149.00	100%
54 (F)	PERVIOUS BACKFILL MATERIAL (RETAINING WALL)	CY	128	90.00	11,520.00			128.00	11,520.00			128.00	11,520.00	128.00	11,520.00	100%
55	DITCH EXCAVATION	CY	9,160	6.00	54,960.00			9,160.00	54,960.00			11,461.00	68,766.00	11,461.00	68,766.00	125%
56	ITEM DELETED BY ADDENDUM				0.00											N/A
57	HIGHWAY PLANTING	LS	1	3,500.00	3,500.00			1.00	3,500.00			1.00	3,500.00	1.00	3,500.00	100%
58	FIBER ROLLS	LF	4,700	2.00	9,400.00			4,700.00	9,400.00			5,294.00	10,588.00	5,294.00	10,588.00	113%
59	EROSION CONTROL (HYDROSEED) PLANT ESTABLISHMENT WORK (250 WORKING DAYS)	SQFT	516,000	0.05	25,800.00			516,000.00	25,800.00			645,000.00	32,250.00	645,000.00	32,250.00	125%
60	12" BITUMINOUS COATED CORRUGATED STEEL PIPE CONDUIT (0.064" THICK)	LS	1	40,000.00	40,000.00			1.00	40,000.00	1.00	40,000.00		40,000.00	1.00	40,000.00	100%
61	CLASS 2 AGGREGATE SUBBASE	LF	220	58.00	12,760.00			220.00	12,760.00			220.00	12,760.00	220.00	12,760.00	100%
62	CLASS 2 AGGREGATE SUBBASE	CY	8,810	23.00	202,630.00			8,810.00	202,630.00			8,810.00	202,630.00	8,810.00	202,630.00	100%
63	CLASS 2 AGGREGATE BASE	CY	5,060	20.00	101,200.00			5,060.00	101,200.00			6,325.00	126,500.00	6,325.00	126,500.00	125%
64	ASPHALTIC EMULSION (CURING SEAL)	TON	1	845.00	845.00			1.00	845.00							0%
65	LEAN CONCRETE BASE	CY	5,970	112.00	668,640.00			5,970.00	668,640.00			5,979.00	669,648.00	5,979.00	669,648.00	100%
66	RAPID STRENGTH CONCRETE BASE	CY	110	540.00	59,400.00			110.00	59,400.00			110.00	59,400.00	110.00	59,400.00	100%
67	HOT MIX ASPHALT (TYPE C) & CCO 9	TON	4,480	83.00	372,670.00		83,083.00	5,491.00	455,753.00			6,613.50	548,920.50	6,613.50	548,920.50	120%
68	HOT MIX ASPHALT (TYPE A)	TON	150	70.00	10,500.00			150.00	10,500.00			110.56	7,739.20	110.56	7,739.20	74%
69	HOT MIX ASPHALT (TYPE A BONDBREAKER)	TON	3,060	89.00	272,340.00			3,060.00	272,340.00			2,532.00	225,348.00	2,532.00	225,348.00	83%
70	PLACE ASPHALT CONCRETE DIKE (TYPE C)	LF	270	1.90	513.00			270.00	513.00			325.00	617.50	325.00	617.50	120%
71	PLACE ASPHALT CONCRETE DIKE (TYPE E)	LF	4,920	1.90	9,348.00			4,920.00	9,348.00			4,865.00	9,243.50	4,865.00	9,243.50	99%
72	PLACE ASPHALT CONCRETE DIKE (TYPE F)	LF	650	1.90	1,235.00			650.00	1,235.00			613.00	1,164.70	613.00	1,164.70	94%



Contractor: Griffith Company
 12200 Bloomfield Ave.
 Santa Fe Springs, CA 90670

Estimate No. 24 Final
 From: May 26, 2014
 To: June 25, 2014

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73	PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) SQYD	27	195.00	5,265.00	27.00	5,265.00	27.00	5,265.00	27.00	27.00	5,265.00	100%	
74	ASPHALTIC EMULSION (PRIME COAT)	TON	8	620.00	4,960.00	8.00	4,960.00	2.50	2.50	2.50	1,550.00	31%	
75	TACK COAT	TON	7	630.00	4,410.00	7.00	4,410.00	8.75	8.75	8.75	5,512.50	125%	
76	JOINTED PLAIN CONCRETE PAVEMENT	CY	12,700	120.00	1,524,000.00	12,700.00	1,524,000.00	13,248.00	13,248.00	13,248.00	1,589,760.00	104%	
77	STRENGTH CONCRETE)	CY	210	800.00	168,000.00	210.00	168,000.00	220.00	220.00	220.00	176,000.00	105%	
78	SEAL PAVEMENT JOINT	LF	56,800	4.20	238,560.00	56,800.00	238,560.00	57,828.00	57,828.00	57,828.00	242,877.60	102%	
79	SEAL ISOLATION JOINT	LF	8,720	6.40	55,808.00	8,720.00	55,808.00	8,817.00	8,817.00	8,817.00	56,428.80	101%	
80	GRIND EXISTING CONCRETE PAVEMENT	sqyd	11,700	8.60	100,620.00	11,700.00	100,620.00	11,700.00	11,700.00	11,700.00	100,620.00	100%	
81 (F)	STRUCTURAL CONCRETE, RETAINING WALL	CY	1,010	383.00	388,830.00	1,010.00	388,830.00	1,010.00	1,010.00	1,010.00	386,830.00	100%	
82	CLASS 4 CONCRETE (BACKFILL)	CY	31	150.00	4,650.00	31.00	4,650.00	30.80	30.80	30.80	4,620.00	99%	
83 (F)	CLASS 1 CONCRETE (STRUCTURE)	CY	72	930.00	66,960.00	72.00	66,960.00	72.00	72.00	72.00	66,960.00	100%	
84 (F)	MINOR CONCRETE (MINOR STRUCTURE)	CY	71	1,620.00	115,020.00	71.00	115,020.00	71.00	71.00	71.00	115,020.00	100%	
85 (F)	FRACTURED RIB TEXTURE	sqyd	759	63.00	47,817.00	759.00	47,817.00	759.00	759.00	759.00	47,817.00	100%	
86 (F)	BAR REINFORCING STEEL	LB	9,331	1.00	9,331.00	9,331.00	9,331.00	9,331.00	9,331.00	9,331.00	9,331.00	100%	
87 (F)	BAR REINFORCING STEEL (RETAINING WALL) FURNISH SIGN STRUCTURE (BRIDGE MOUNTED WITH WALKWAY)	LB	63,376	1.00	63,376.00	63,376.00	63,376.00	63,376.00	63,376.00	63,376.00	63,376.00	100%	
88	INSTALL SIGN STRUCTURE (BRIDGE MOUNTED WITH WALKWAY)	LB	1,660	6.00	9,960.00	1,660.00	9,960.00	1,660.00	1,660.00	1,660.00	9,960.00	100%	
89	FURNISH SIGN STRUCTURE (TRUSS)	LB	1,660	2.70	4,482.00	1,660.00	4,482.00	1,660.00	1,660.00	1,660.00	4,482.00	100%	
90	INSTALL SIGN STRUCTURE (TRUSS)	LB	78,300	4.30	336,690.00	78,300.00	336,690.00	86,127.00	86,127.00	86,127.00	370,346.10	110%	
91	FURNISH LAMINATED PANEL SIGN (1"-TYPE A) FURNISH SINGLE SHEET ALUMINUM SIGN (0.063" UNFRAMED)	sqft	1,110	27.00	29,970.00	1,110.00	29,970.00	1,110.00	1,110.00	1,003.00	27,081.00	90%	
92	FURNISH SINGLE SHEET ALUMINUM SIGN (0.080" U SIGN)	sqft	63	11.00	693.00	63.00	693.00	63.00	63.00	63.00	693.00	100%	
93	FURNISH SINGLE SHEET ALUMINUM SIGN (0.063" FISQFT)	sqft	380	13.00	4,940.00	380.00	4,940.00	378.00	378.00	378.00	4,914.00	99%	
94	FURNISH SINGLE SHEET ALUMINUM SIGN (0.063" FISQFT)	sqft	140	16.00	2,240.00	140.00	2,240.00	138.00	138.00	138.00	2,208.00	99%	
95	60" CAST IN DRILLED HOLE CONCRETE PILE (SIGN)	LF	92	745.00	68,540.00	92.00	68,540.00	92.00	92.00	92.00	68,540.00	100%	

PROJECT: I-15 at Clinton Keith Road Interchange Improvements
 County Project No.: A2-0264
 Contract No. 11-12-005

Contractor: Griffith Company
 12200 Bloomfield Ave.
 Santa Fe Springs, CA 90670

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97	ROADSIDE SIGN - ONE POST	EA	39	420.00	16,380.00			39.00	16,380.00	44.00	44.00	44.00	18,480.00	113%	
98	ROADSIDE SIGN - TWO POST	EA	1	940.00	940.00			1.00	940.00	1.00	1.00	1.00	940.00	100%	
99	INSTALL ROADSIDE SIGN (LAMINATED WOOD BOX	EA	3	260.00	780.00			3.00	780.00	3.00	3.00	3.00	780.00	100%	
100	18" ALTERNATIVE PIPE CULVERT	LF	950	71.00	67,450.00			950.00	67,450.00	956.00	956.00	956.00	67,876.00	101%	
101	24" ALTERNATIVE PIPE CULVERT	LF	1,040	85.00	88,400.00			1,040.00	88,400.00	1,031.60	1,031.60	1,031.60	87,686.00	99%	
102	30" ALTERNATIVE PIPE CULVERT	LF	74	135.00	9,990.00			74.00	9,990.00	74.40	74.40	74.40	10,044.00	101%	
103	36" ALTERNATIVE PIPE CULVERT	LF	330	110.00	36,300.00			330.00	36,300.00	330.00	330.00	330.00	36,300.00	100%	
104	42" ALTERNATIVE PIPE CULVERT	LF	33	175.00	5,775.00			33.00	5,775.00	33.00	33.00	33.00	5,775.00	100%	
105	18" REINFORCED CONCRETE PIPE	LF	210	92.00	19,320.00			210.00	19,320.00	210.00	210.00	210.00	19,320.00	100%	
106	24" REINFORCED CONCRETE PIPE	LF	62	220.00	13,640.00			62.00	13,640.00	62.00	62.00	62.00	13,640.00	100%	
107	36" CORRUGATED STEEL PIPE INLET (0.079" THICK	LF	28	400.00	11,200.00			28.00	11,200.00	28.00	28.00	28.00	11,200.00	100%	
108	18" ALTERNATIVE FLARED END SECTION	EA	6	680.00	4,080.00			6.00	4,080.00	5.00	5.00	5.00	3,400.00	83%	
109	24" ALTERNATIVE FLARED END SECTION	EA	4	725.00	2,900.00			4.00	2,900.00	4.00	4.00	4.00	2,900.00	100%	
110	36" ALTERNATIVE FLARED END SECTION	EA	1	1,070.00	1,070.00			1.00	1,070.00	1.00	1.00	1.00	1,070.00	100%	
111	42" ALTERNATIVE FLARED END SECTION	EA	1	1,800.00	1,800.00			1.00	1,800.00	1.00	1.00	1.00	1,800.00	100%	
112	36" PRECAST CONCRETE PIPE INLET	LF	11	460.00	5,060.00			11.00	5,060.00	11.00	11.00	11.00	5,060.00	100%	
113	ROCK SLOPE PROTECTION (LIGHT, METHOD B)	CY	59	105.00	6,195.00			59.00	6,195.00	64.00	64.00	64.00	6,720.00	108%	
114	ROCK SLOPE PROTECTION (BACKING NO. 1, METHC	CY	48	105.00	5,040.00			48.00	5,040.00	57.00	57.00	57.00	5,985.00	119%	
115	ROCK SLOPE PROTECTION (BACKING NO. 2, METH	CY	68	105.00	7,140.00			68.00	7,140.00	78.60	78.60	78.60	8,253.00	116%	
116	ROCK SLOPE PROTECTION (1/4T, METHOD B)	CY	92	105.00	9,660.00			92.00	9,660.00	92.00	92.00	92.00	9,660.00	100%	
117	ROCK SLOPE PROTECTION FABRIC	SQYD	590	47.00	27,730.00			590.00	27,730.00	553.40	553.40	553.40	26,479.80	95%	
118	MINOR CONCRETE (MISCELLANEOUS CONSTRUCT.	CY	24	1,080.00	25,920.00			24.00	25,920.00	27.00	27.00	27.00	29,160.00	113%	
119	MINOR CONCRETE (CURB & GUTTER)	CY	180	380.00	68,400.00			180.00	68,400.00	190.00	190.00	190.00	72,200.00	106%	
120 (F)	MINOR CONCRETE (GUTTER)	LF	684	35.00	23,940.00			684.00	23,940.00	684.00	684.00	684.00	23,940.00	100%	



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121	MINOR CONCRETE (SIDEWALK)	CY	230	310.00	71,300.00			230.00	71,300.00	227.00		227.00	70,370.00	99%
122	MINOR CONCRETE (CURB RAMP)	CY	23	445.00	10,235.00			23.00	10,235.00	26.00		26.00	11,570.00	113%
123 (F)	MISCELLANEOUS IRON AND STEEL	LB	9,884	2.20	21,744.80			9,884.00	21,744.80	9,883.00		9,883.00	21,742.60	100%
124	CHAIN LINK FENCE (TYPE CL-6) & CCO 5	LF	180	22.00	3,960.00	420.00	9,240.00	600.00	13,200.00	645.00		645.00	14,190.00	108%
125	DELINEATOR (CLASS 1)	EA	51	37.00	1,887.00			51.00	1,887.00	51.00		51.00	1,887.00	100%
126	METAL BEAM GUARD RAILING (WOOD POST)	LF	1,390	23.00	31,970.00			1,390.00	31,970.00	1,388.00		1,388.00	31,924.00	100%
127	VEGETATION CONTROL (MINOR CONCRETE)	SOYD	1,090	48.00	52,320.00			1,090.00	52,320.00	1,090.00		1,090.00	52,320.00	100%
128	TUBULAR HANDRAILING	LF	110	61.00	6,710.00			110.00	6,710.00	110.00		110.00	6,710.00	100%
129	CABLE RAILING	LF	300	17.00	5,100.00			300.00	5,100.00	300.00		300.00	5,100.00	100%
130	TRANSITION RAILING (TYPE WB)	EA	4	3,130.00	12,520.00			4.00	12,520.00	4.00		4.00	12,520.00	100%
131	END CAP (TYPE TC)	EA	5	220.00	1,100.00			5.00	1,100.00	5.00		5.00	1,100.00	100%
132	END ANCHOR ASSEMBLY (TYPE SFT)	EA	8	715.00	5,720.00			8.00	5,720.00	10.00		10.00	7,150.00	125%
133	ALTERNATIVE FLARED TERMINAL SYSTEM	EA	12	2,410.00	28,920.00			12.00	28,920.00	12.00		12.00	28,920.00	100%
134 (F)	CONCRETE BARRIER (TYPE 60D)	LF	246	105.00	25,830.00			246.00	25,830.00	246.00		246.00	25,830.00	100%
135 (F)	CONCRETE BARRIER (TYPE 736A)	LF	1,035	120.00	124,200.00			1,035.00	124,200.00	1,034.95		1,034.95	124,194.00	100%
136	4" THERMOPLASTIC TRAFFIC STRIPE	LF	70,500	0.40	28,200.00			70,500.00	28,200.00	88,125.00		88,125.00	35,250.00	125%
137	8" THERMOPLASTIC TRAFFIC STRIPE	LF	14,900	1.10	16,390.00			14,900.00	16,390.00	18,476.00		18,476.00	20,323.60	124%
138	THERMOPLASTIC PAVEMENT MARKING & CCO 9	SQFT	2,010	3.70	7,437.00	6,941.00	14,378.02	3,885.95	14,378.02	4,388.45		4,388.45	16,237.25	113%
139	PAVEMENT MARKER (NON-REFLECTIVE) & CCO 9	EA	2,410	1.10	2,651.00	1,597.20	4,248.20	3,862.00	4,248.20	4,464.50		4,464.50	4,910.95	116%
140	PAVEMENT MARKER (RETROREFLECTIVE)	EA	2,190	3.70	8,103.00			2,190.00	8,103.00	2,194.00		2,194.00	8,117.80	100%
141	MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM	LS	1	2,620.00	2,620.00			1.00	2,620.00	1.00		1.00	2,620.00	100%
142	SIGNAL AND LIGHTING (LOCATION 1)	LS	1	129,540.00	129,540.00			1.00	129,540.00	1.00		1.00	129,540.00	100%
143	SIGNAL AND LIGHTING (LOCATION 2)	LS	1	213,940.00	213,940.00			1.00	213,940.00	1.00		1.00	213,940.00	100%
144	SIGNAL AND LIGHTING (LOCATION 3)	LS	1	162,000.00	162,000.00			1.00	162,000.00	1.00		1.00	162,000.00	100%

PROJECT: I-15 at Clinton Keith Road Interchange Improvements
 County Project No.: A2-0284
 Contract No. 11-12-005

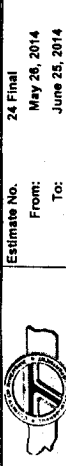
Contractor: Griffith Company
 Address: 12200 Bloomfield Ave.
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145	SIGNAL AND LIGHTING (LOCATION 4)	LS	1	104,300.00	104,300.00			1.00	104,300.00	1.0000	1.00	104,300.00	100%	
146	LIGHTING (CITY STREET)	LS	1	56,550.00	56,550.00			1.00	56,550.00	1.00	1.00	56,550.00	100%	
147	INTERCONNECTION CONDUIT AND CONDUCTORS	LS	1	30,680.00	30,680.00			1.00	30,680.00	1.00	1.00	30,680.00	100%	
148	MODIFY TRAFFIC MONITORING STATION	LS	1	8,590.00	8,590.00			1.00	8,590.00	1.00	1.00	8,590.00	100%	
149	RAMP METERING SYSTEM (LOCATION 1)	LS	1	107,230.00	107,230.00			1.00	107,230.00	1.00	1.00	107,230.00	100%	
150	RAMP METERING SYSTEM (LOCATION 2)	LS	1	108,170.00	108,170.00			1.00	108,170.00	1.00	1.00	108,170.00	100%	
151	MODIFYING LIGHTING AND SIGN ILLUMINATION	LS	1	218,020.00	218,020.00			1.00	218,020.00	1.00	1.00	218,020.00	100%	
152	MOBILIZATION	LS	1	568,469.75	568,469.75			1.00	568,469.75	1.00	1.00	568,469.75	100%	
153	DE-MOBILIZATION	LS	727,000	1.00	727,000.00			727,000.00	727,000.00	727,000.00	727,000.00	727,000.00	100%	
154	REMOVE CONCRETE	CY	16	100.00	1,600.00			16.00	1,600.00	16.00	16.00	1,600.00	100%	
155	BRIDGE REMOVAL (PORTION)	LS	1	78,170.00	78,170.00			1.00	78,170.00	1.00	1.00	78,170.00	100%	
156 (F)	STRUCTURE EXCAVATION (BRIDGE)	CY	919	27.00	24,813.00			919.00	24,813.00	919.00	919.00	24,813.00	100%	
157 (F)	STRUCTURE BACKFILL (BRIDGE)	CY	538	36.00	19,368.00			538.00	19,368.00	538.00	538.00	19,368.00	100%	
158	24" CAST IN DRILLED HOLE CONCRETE PILING	LF	3,300	89.00	293,700.00			3,300.00	293,700.00	3,300.00	3,300.00	293,700.00	100%	
159	PRESTRESSING CAS IN PLACE CONCRETE	LS	1	143,830.00	143,830.00			1.00	143,830.00	1.00	1.00	143,830.00	100%	
160 (F)	STRUCTURAL CONCRETE, BRIDGE FOOTING	CY	286	190.00	54,340.00			286.00	54,340.00	286.00	286.00	54,340.00	100%	
161 (F)	STRUCTURAL CONCRETE, BRIDGE	CY	1,875	530.00	993,750.00			1,875.00	993,750.00	1,875.00	1,875.00	993,750.00	100%	
162 (F)	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE	CY	45	690.00	31,050.00			45.00	31,050.00	45.00	45.00	31,050.00	100%	
163 (F)	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE	CY	23	850.00	19,550.00			23.00	19,550.00	23.00	23.00	19,550.00	100%	
164	DRILL AND BOND DOWEL	LF	90	54.00	4,860.00			90.00	4,860.00	90.00	90.00	4,860.00	100%	
165	REFINISH BRIDGE DECK	SQFT	1,010	19.00	19,190.00			1,010.00	19,190.00	1,010.00	1,010.00	19,190.00	100%	
166	JOINT SEAL (MR 2')	LF	250	52.00	13,000.00			250.00	13,000.00	250.00	250.00	13,000.00	100%	
167 (F)	BAR REINFORCING STEEL (BRIDGE)	LB	701,263	0.95	666,199.85			701,263.00	666,199.85	701,263.00	701,263.00	666,199.85	100%	
168 (F)	COLUMN CASING	LB	11,413	7.30	83,314.90			11,413.00	83,314.90	11,413.00	11,413.00	83,314.90	100%	



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169	SLOPE PAVING & CCO 5	CY	52	745.00	38,740.00	23.61	17,589.45	75.61	56,329.45			88.61	66,014.45	88.61	117%	
170 (F)	MISCELLANEOUS METAL (BRIDGE)	LB	3,250	0.50	1,625.00			3,250.00	1,625.00			3,250.00	1,625.00	3,250.00	100%	
171 (F)	BRIDGE DECK DRAINAGE SYSTEM	LB	30,026	4.20	126,109.20			30,026.00	126,109.20			30,026.00	126,109.20	30,026.00	100%	
172 (F)	DECORATIVE FENCE	LF	620	91.00	56,420.00			620.00	56,420.00			620.00	56,420.00	620.00	100%	
173	CONCRETE BARRIER (TYPE 26 MOD)	LF	620	125.00	77,500.00			620.00	77,500.00			620.00	77,500.00	620.00	100%	
174	COURSE OF CONSTRUCTION INSURANCE	LS	1	19,800.00	19,800.00			1.00	19,800.00			1.00	19,800.00	1.00	100%	
175	CONSTRUCTION ZONE ENHANCED ENFORCEMENT	FA	200,000	1.00	200,000.00			200,000.00	200,000.00			208,399.96	208,399.96	208,399.96	104%	
176	STATE FURNISHED MATERIALS	FA	1	65,000.00	65,000.00			1.00	65,000.00			1.00	65,000.00	1.00	100%	
177	ELECTRICAL SERVICE LINE EXTENSION	LS	1	44,400.00	44,400.00			1.00	44,400.00			1.00	44,400.00	1.00	100%	
178	TEMPORARY ELECTRICAL SERVICE	LS	1	6,880.00	6,880.00			1.00	6,880.00			1.00	6,880.00	1.00	100%	
179	WELDED STEEL PIPE CASING [12"]	LF	330	140.00	46,200.00			330.00	46,200.00			330.00	46,200.00	330.00	100%	



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CCO 1	Extra Work - SIGNAL & SIGNS	FA	0	1.00	0.00	37,193.67	37,193.67	37,193.67	37,193.67	37,193.67	37,193.67	37,193.67	37,193.67	37,193.67	100%	
CCO 3	DIRT IMPORT	AP	0	15.85	0.00	20,000.00	317,000.00	20,000.00	317,000.00	19,661.36	19,661.36	19,661.36	311,632.56	311,632.56	98%	
CCO 5	VARIOUS EXTRA WORK	FA	0	1.00	0.00	44,988.66	44,988.66	44,988.66	44,988.66	44,988.66	44,988.66	44,988.66	44,988.66	100%		
CCO 5	INSTALL ADDITIONAL STEEL ARMOR PLATES	AP	0	1.00	0.00	21,842.84	21,842.84	21,842.84	21,842.84	21,842.84	21,842.84	21,842.84	21,842.84	100%		
CCO 6	CONSTRUCT MEDIUM ISLAND	FA	0	1.00	0.00	56,746.86	56,746.86	56,746.86	56,746.86	56,746.86	56,746.86	56,746.86	56,746.86	100%		
CCO 7	MODIFY BRIDGE BARRIER SIDEWALK - ADA	AP	0	1.00	0.00	10,054.41	10,054.41	10,054.41	10,054.41	10,054.41	10,054.41	10,054.41	10,054.41	100%		
CCO 8	VARIOUS EXTRA WORK	FA	0	1.00	0.00	123,605.23	123,605.23	123,605.23	123,605.23	123,605.23	123,605.23	123,605.23	123,605.23	100%		
PROJECT TOTAL						13,518,675.00	759,143.12	14,277,818.14	40,000.00					14,699,520.94		

Made by: Sean Rouhani
Checked by: [Signature] 7/16/14
OK Const. Sup. [Signature]

Working Days: 300
Days Added: 10
Subtotal: 310
Days Used: 381
% Time Elapsed: 123%

Start Date: 4-2-12
End Date: 7-19-13
% Complete: 103%
Original Contract: \$13,518,675.00
Amended Contract: \$14,277,818.14

TOTAL VALUE OF WORK TO DATE: \$14,699,520.94
LESS RETENTION: 0%
TOTAL DUE TO DATE: \$14,699,520.94
LESS PREVIOUSLY INVOICED: 14,659,520.94
LESS LABOR NON COMPLIANCE: 0.00
TOTAL DUE THIS PAYMENT: \$40,000.00

Received by Accounts Payable: _____
By: _____

Received by Accounts Payable: _____
By: _____

PAYMENT APPROVAL
Fund 20000
Dept ID 31305
Account 527180
Project Z 12-02645
Activity ID Z2500
Resource Type CNT

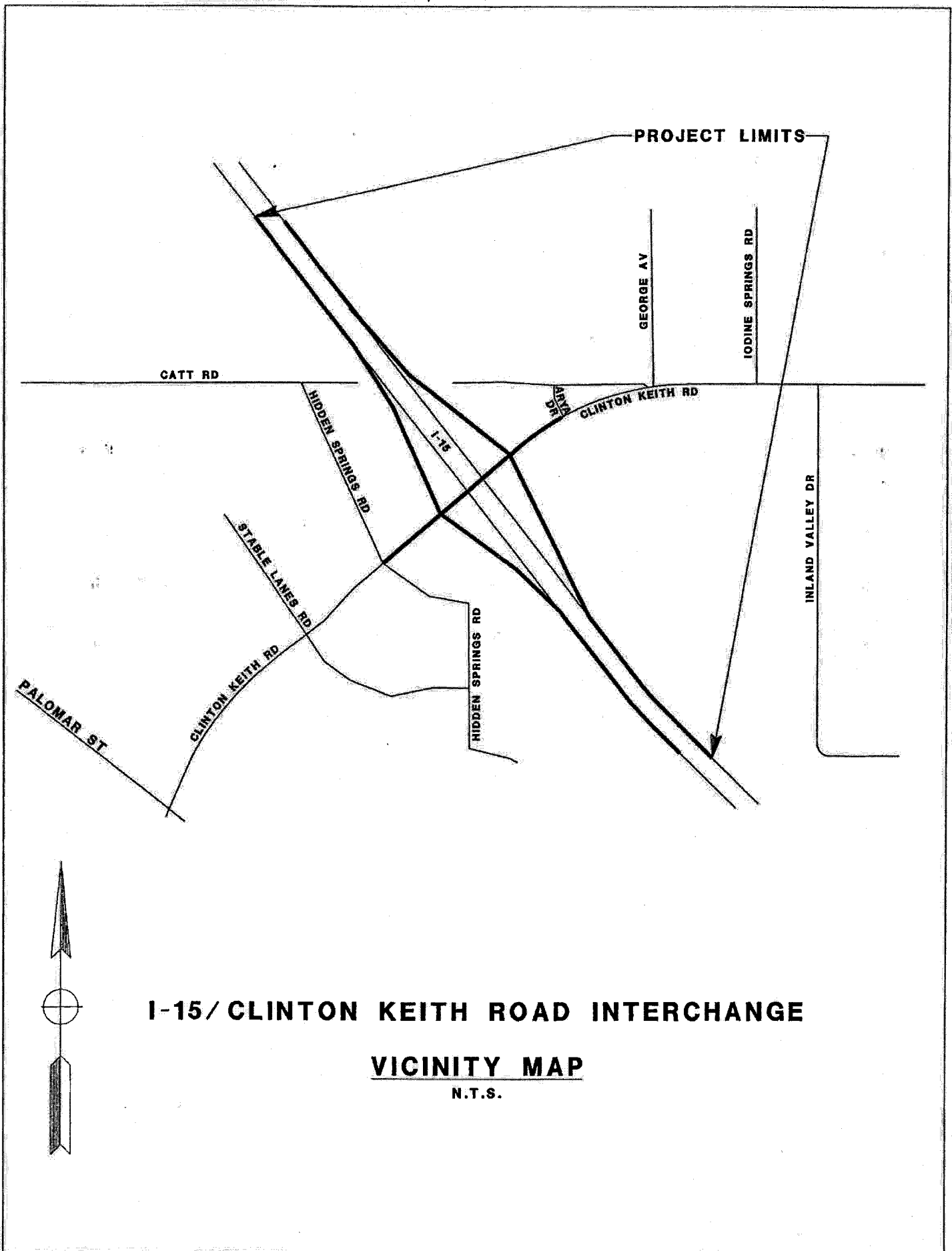
Signature [Signature]
Date 9-2/14

Signature [Signature]
Date 8/27/14

This Estimate Approved _____ Date: _____ for: _____
Juan C. Perez, Director of Transportation and Land Management

Quantities on This Estimate Approved _____ Date: _____
Ryan J. [Signature]
Griffith Company

Quantities on This Estimate Approved _____ Date: _____
Ryan J. [Signature]
Griffith Company



I-15/CLINTON KEITH ROAD INTERCHANGE

VICINITY MAP

N.T.S.