

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



ITEM  
3.41  
(ID # 6645)

MEETING DATE:  
Tuesday, July 17, 2018

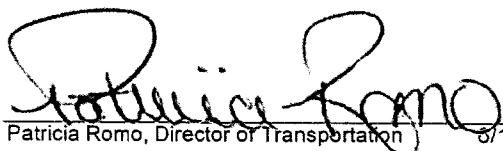
FROM : TLMA-TRANSPORTATION:

SUBJECT: TRANSPORTATION AND LAND MANAGEMENT AGENCY/TRANSPORTATION:  
Notice of Completion – Magnolia Avenue/BNSF Railway Company Grade  
Separation Project in the City of Riverside and Home Gardens Area. 1st/2nd  
Districts. [\$0]

RECOMMENDED MOTION: That the Board of Supervisors:

1. Accept the Magnolia Avenue/BNSF Railway Company Grade Separation Project as completed; and
2. Authorize the Chairman of the board to execute the Notice of Completion and the Clerk of the Board to record the Notice.

ACTION: Policy

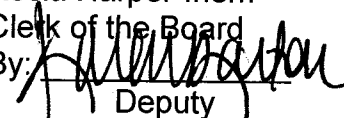
  
Patricia Romo, Director of Transportation 8/18/2018

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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: July 17, 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**

<b>FINANCIAL DATA</b>	<b>Current Fiscal Year:</b>	<b>Next Fiscal Year:</b>	<b>Total Cost:</b>	<b>Ongoing Cost</b>
<b>COST</b>	\$ 0	\$ 0	\$ 0	\$ 0
<b>NET COUNTY COST</b>	\$ 0	\$ 0	\$ 0	\$ 0
<b>SOURCE OF FUNDS: N/A</b>			<b>Budget Adjustment: No</b>	
			<b>For Fiscal Year: 18/19</b>	

**C.E.O. RECOMMENDATION:** Approve

**BACKGROUND:**

**Summary**

By Minute Order 3-34 of December 10, 2013, the Board of Supervisors entered into a contract with OHL USA, Inc. of Irvine, CA for the construction of Magnolia Avenue Grade Separation Project, between Lincoln Street and Buchanan Avenue, in the City of Riverside and Home Gardens area. The authorized amount of the contract was \$34,167,522. The total amended contract is \$35,680,826, which is 4.4% more than the originally authorized amount.

The work was completed in conformance with the plans and specifications and the contractor was granted relief of maintenance on February 28, 2017. Work Order Number B7-0784, Federal Aid No. TCIFCML-5956(193).

**Impact on Residents and Businesses**

This project has increased public safety by eliminating train and vehicle conflicts, reduced train noise, reduced congestion on Magnolia Avenue, and reduced particulate matter from idling vehicles thus reducing greenhouse gas emissions.

**SUPPLEMENTAL:**

**Additional Fiscal Information**

**Budget**

Original Contract Amount		\$34,167,522
Total Change Orders Authorized	4.4%	\$1,513,304
Estimated Pending Change Orders	0.0%	\$0
Authorized Contract Amount		\$35,680,826
* Quantity Adjustments	0.0%	(\$0)
+ CCO FA Adjustments	0.0%	\$0
Total Amended Contract Amount	104.4%	\$35,680,826

**Expenditures**

Total Progress Payments	\$35,680,826
Estimated Pending Payments	\$0
Total Expenditures	\$35,680,826

**(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

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

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."

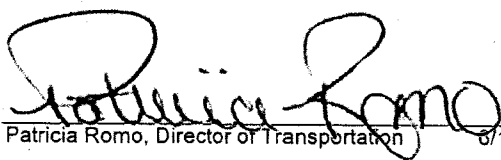
This project was funded with \$14,878,904 of CMAQ funds, \$3,960,572 of STP-Discretionary funds, \$10,490,163 of Prop 1B funds, \$784,978 of Gas Tax funds, \$4,174,657 of TUMF-Northwest Zone funds, \$1,320,191 of Miscellaneous (BNSF) funds and \$71,362 of Home Gardens Sanitary District funds.

**Contract History and Price Reasonableness**

Six bids were received on October 23, 2013 ranging from \$34,167,522 to \$38,039,989. The basis for the selection of a contractor is the lowest responsive and responsible bid. The lowest responsible bid was submitted by OHL USA, Inc. in the amount of \$34,167,522, which is \$1,121,364 (3.2%) lower than the Engineer's Estimate.

**ATTACHMENTS:**

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



Patricia Romo, Director of Transportation

6/18/2018



Scott Brukner

7/9/2018





**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:

7-17-18

Signature:

*Karen Barton*

Print Name:

Karen Barton, Board Assistant

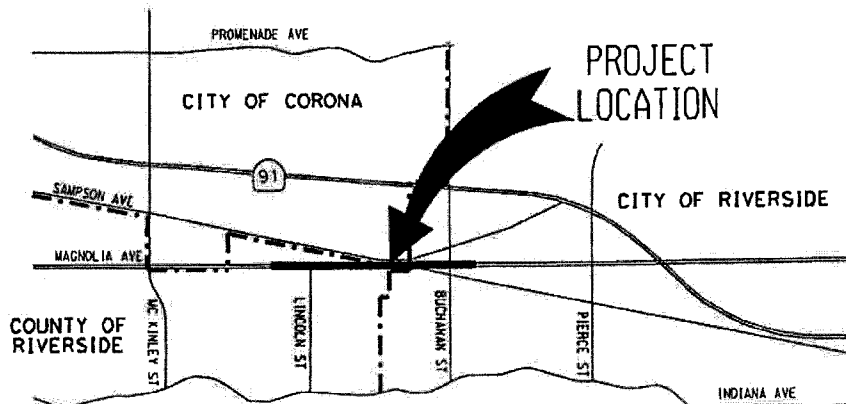
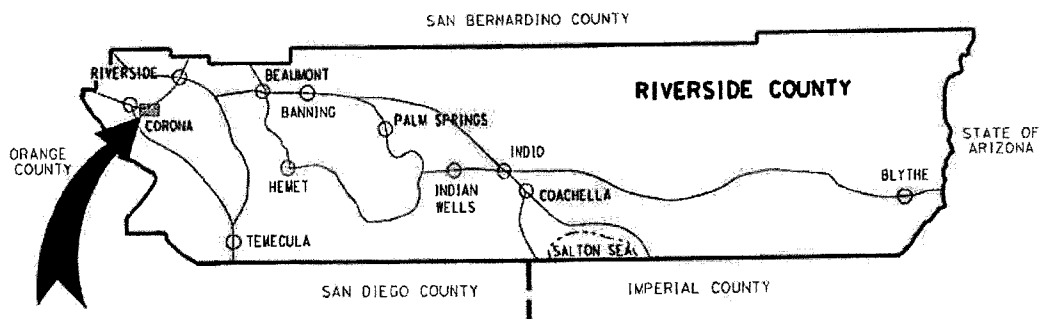
COUNTY OF RIVERSIDE  
TRANSPORTATION DEPARTMENT

MAGNOLIA AVENUE/BNSF RAILWAY  
GRADE SEPARATION PROJECT

BETWEEN LINCOLN STREET AND BUCHANAN STREET  
IN THE CITY OF RIVERSIDE AND HOME GARDENS AREA

PROJECT No. B7-0784

FEDERAL AID No. - TCIFCML-5956 (193)



VICINITY MAP

SECTIONS 22 & 27, TOWNSHIP 38 RANGE 6W  
COUNTY ROAD BOOK PAGE No. 23A

PROJECT: Magnolia Avenue/NSF Railway Grade Separation Project between Lincoln Street and Buchanan Street in the City of Riverside and Home Gardens Area.  
 County Project No.: 87-0774, Federal Aid No. TCIFCHL-6956(193)  
 Contract No. 13-11-002



Contractor: OHL USA, Inc.  
 1220 Main Street, Ste 310  
 Irvine, CA 92614

Estimate No. 36 Final  
 From: February 28, 2017  
 To: March 25, 2017

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	Amount	Previous Quantity	Amount	Total Estimate To Date Quantity	Amount	% Adh.
					34,167,522.42		1,513,304.21		35,680,826.63		66,659.66				35,680,826.63	
<b>PROJECT TOTAL</b>																

Made by: Juan Rojas  
 Checked by: [Signature]  
 OK Const. Supv. 3/9/18

Working Days: 400  
 Days Added: 27  
 Subtotal: 427  
 Days Used: 605  
 % Time Elapsed: 142%

Start Date: 2-14-14  
 End Date: 2-28-17  
 % Complete: 100%  
 Original Contract: \$34,167,522.42  
 Amended Contract: \$35,680,826.63

TOTAL VALUE OF WORK TO DATE: \$35,680,826.63  
 LESS RETENTION: 0%  
 TOTAL DUE TO DATE: \$35,680,826.63  
 LESS PREVIOUSLY INVOICED: 35,614,166.95  
 LESS LABOR NON COMPLIANCE: 0.00  
 TOTAL DUE THIS PAYMENT: \$66,659.68

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

Received by Accountis Payable: \_\_\_\_\_  
 By: \_\_\_\_\_

Quantities on This Estimate Approved [Signature] Date: 3/13/2018  
 OHL USA, Inc.

**PAYMENT APPROVAL**  
 Fund 20000  
 Dept ID 31305  
 Account 527980  
 Project Z 6707846  
 Activity ID Z 3506  
 Resource Type CNT  
 Signature [Signature]  
 Date 3/15/18

PROJECT: Magnolia Avenue/INSE Railway Grade Separation Project between Lincoln Street and Buchanan Street in the City of Riverside and Home Gardens Area  
 County Project No.: B7-0784, Federal Aid No. TCF/CML-5956(183)  
 Contract No. 13-11-802



Contractor: OHL USA, Inc.  
 Address: 1920 Main Street, Ste 310  
 City, State, Zip: Irvine, CA 92614

Estimate No. 38 Final  
 From: February 26, 2017  
 To: March 25, 2017

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	Previous Quantity	Total Estimate To Date Quantity	Total Estimate To Date Amount	% Auth.
1	FUNDING AWARENESS SIGN	EA	2	1,200.00	2,400.00			2.00	2,400.00		2.00	2.00	2,400.00	100%
2	COURSE OF CONSTRUCTION INSURANCE	LS	1	50,000.00	50,000.00			1.00	50,000.00		1.00	1.00	50,000.00	100%
3	RESIDENT ENGINEERS OFFICE	LS	1	50,000.00	50,000.00			1.00	50,000.00		1.00	1.00	50,000.00	100%
4	PROGRESS SCHEDULE (CRITICAL PATH METHOD)	LS	1	8,000.00	8,000.00			1.00	8,000.00		1.00	1.00	8,000.00	100%
5	CONSTRUCTION SITE MANAGEMENT	LS	1	40,000.00	40,000.00			1.00	40,000.00		1.00	1.00	40,000.00	100%
6	DUST ABATEMENT	LS	1	50,000.00	50,000.00			1.00	50,000.00		1.00	1.00	50,000.00	100%
7	NOISE MONITORING	LS	1	20,000.00	20,000.00			1.00	20,000.00		1.00	1.00	20,000.00	100%
8	DEVELOP WATER SUPPLY	LS	1	35,000.00	35,000.00			1.00	35,000.00		1.00	1.00	35,000.00	100%
9	LEAD COMPLIANCE PLAN	LS	1	1,500.00	1,500.00			1.00	1,500.00		1.00	1.00	1,500.00	100%
10	MOBILIZATION, DEMOBILIZATION AND FINAL CLEANUP	LS	1	1,750,000.00	1,750,000.00			1.00	1,750,000.00		1.00	1.00	1,750,000.00	100%
11	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	1	2,000.00	2,000.00			1.00	2,000.00		1.00	1.00	2,000.00	100%
12	WATER POLLUTION CONTROL	LS	1	82,500.00	82,500.00			1.00	82,500.00		1.00	1.00	82,500.00	100%
13	CONSTRUCTION AREA SIGNS	LS	1	40,000.00	40,000.00			1.00	40,000.00		1.00	1.00	40,000.00	100%
14	FLASHING ARROW SIGN	EA	9	3,500.00	31,500.00			9.00	31,500.00		9.00	9.00	31,500.00	100%
15	TYPE III BARRICADE & CCO 20	EA	74	85.00	6,290.00		170.00	76.00	6,460.00		76.00	76.00	6,460.00	100%
16	TEMPORARY PAVEMENT MARKING (PAINT) & CCO 7	SQFT	1,610	2.00	3,220.00		6,000.00	4,610.00	9,220.00		4,610.00	4,610.00	9,220.00	100%
17	TEMPORARY TRAFFIC STRIPE (PAINT) & CCO 7, 20	LF	28,880	0.65	18,772.00		23,348.65	64,801.00	42,120.65		64,801.00	64,801.00	42,120.65	100%
18	CHANNELIZER (SURFACE MOUNTED)	EA	810	20.00	16,200.00			810.00	16,200.00		810.00	810.00	16,200.00	100%
19	TEMPORARY PAVEMENT MARKER & CCO 7	EA	320	5.00	1,600.00		150.00	350.00	1,750.00		350.00	350.00	1,750.00	100%
20	PORTABLE CHANGEABLE MESSAGE SIGN	EA	2	10,000.00	20,000.00			2.00	20,000.00		2.00	2.00	20,000.00	100%
21	TEMPORARY RAILING (TYPE K)	LF	16,300	15.00	244,500.00			16,300.00	244,500.00		16,300.00	16,300.00	244,500.00	100%
22	TEMPORARY CRASH CUSHION MODULE (TS11)	EA	220	200.00	44,000.00			220.00	44,000.00		220.00	220.00	44,000.00	100%
23	TEMPORARY CRASH CUSHION (ABSORB 350)	EA	6	9,000.00	54,000.00			6.00	54,000.00		6.00	6.00	54,000.00	100%
24	TEMPORARY TRAFFIC SCREEN	LF	8,200	6.00	49,200.00			8,200.00	49,200.00		8,200.00	8,200.00	49,200.00	100%
25	PEDESTRIAN BARRICADE (ROADSIDE SIGN)	EA	2	75.00	150.00			2.00	150.00		2.00	2.00	150.00	100%
26	LIGHTING (TEMPORARY)	LS	1	125,000.00	125,000.00			1.00	125,000.00		1.00	1.00	125,000.00	100%





Item No.	Item Description	Units	Quantity	Unit Price	Contractor:		Change Orders		Amended Contract		This Estimate		Previous		% Auth.
					Original Contract Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount		
27	CLEARING AND GRUBBING (SEE SPECIAL PROVISIONS FOR ADDITIONAL WORK)	LS	1	45,000.00	45,000.00		1.00	45,000.00	1.00	45,000.00	1.00	1.00	45,000.00	100%	
28	SALVAGE IRRIGATION FACILITY	EA	1	5,500.00	5,500.00		1.00	5,500.00	1.00	5,500.00	1.00	1.00	5,500.00	100%	
29	SALVAGE ROADSIDE SIGN	EA	5	70.00	350.00		5.00	350.00	5.00	350.00	5.00	5.00	350.00	100%	
30	F REMOVE MISCELLANEOUS ITEMS [BUMPER POLE]	EA	5	750.00	3,750.00		5.00	3,750.00	5.00	3,750.00	5.00	5.00	3,750.00	100%	
31	F REMOVE MISCELLANEOUS ITEMS [BLOCK PLANTER WALL]	LF	43	100.00	4,300.00		43.00	4,300.00	43.00	4,300.00	43.00	43.00	4,300.00	100%	
32	REMOVE MISCELLANEOUS ITEMS [PARKING BUMPER]	EA	30	5.00	150.00		30.00	150.00	30.00	150.00	30.00	30.00	150.00	100%	
33	REMOVE MASONRY WALL	LF	370	75.00	27,750.00		370.00	27,750.00	370.00	27,750.00	370.00	370.00	27,750.00	100%	
34	F REMOVE YELLOW PAINTED TRAFFIC STRIPE [HAZARDOUS WASTE] & CCO 7	LF	1,639	4.00	6,556.00	4,000.00	2,639.00	10,556.00	2,639.00	10,556.00	2,639.00	2,639.00	10,556.00	100%	
35	REMOVE FENCE [WROUGHT IRON FENCE AND GATE]	LF	70	25.00	1,750.00		70.00	1,750.00	70.00	1,750.00	70.00	70.00	1,750.00	100%	
36	REMOVE CHAIN LINK FENCE	LF	120	10.00	1,200.00		120.00	1,200.00	120.00	1,200.00	120.00	120.00	1,200.00	100%	
37	REMOVE METAL BEAM GUARD RAILING	LF	640	15.00	9,600.00		640.00	9,600.00	640.00	9,600.00	640.00	640.00	9,600.00	100%	
38	F REMOVE PAINTED TRAFFIC STRIPE & CCO 7	LF	7,474	1.25	9,342.50	37,500.00	37,474.00	46,842.50	37,474.00	46,842.50	37,474.00	37,474.00	46,842.50	100%	
39	REMOVE RETAINING WALL	LF	70	100.00	7,000.00		70.00	7,000.00	70.00	7,000.00	70.00	70.00	7,000.00	100%	
40	REMOVE CULVERT & CCO 2, CCO 20	LF	70	120.00	8,400.00	1,749.60	84.58	10,149.60	84.58	10,149.60	84.58	84.58	10,149.60	100%	
41	REMOVE STORM DRAIN [12"]	LF	21	90.00	1,890.00		21.00	1,890.00	21.00	1,890.00	21.00	21.00	1,890.00	100%	
42	REMOVE STORM DRAIN [15"]	LF	81	32.00	2,592.00		81.00	2,592.00	81.00	2,592.00	81.00	81.00	2,592.00	100%	
43	REMOVE STORM DRAIN [18"]	LF	580	30.00	17,700.00		580.00	17,700.00	580.00	17,700.00	580.00	580.00	17,700.00	100%	
44	REMOVE STORM DRAIN [24"]	LF	150	42.00	6,300.00		150.00	6,300.00	150.00	6,300.00	150.00	150.00	6,300.00	100%	
45	REMOVE STORM DRAIN [36"]	LF	38	90.00	3,420.00		38.00	3,420.00	38.00	3,420.00	38.00	38.00	3,420.00	100%	
46	REMOVE STORM DRAIN [18" ASBESTOS] & CCO 2	LF	144	50.00	7,200.00	15,000.00	444.00	22,200.00	444.00	22,200.00	444.00	444.00	22,200.00	100%	
47	REMOVE HEADWALL [EXISTING]	EA	4	1,000.00	4,000.00		4.00	4,000.00	4.00	4,000.00	4.00	4.00	4,000.00	100%	
48	REMOVE MANHOLE [EXISTING] & CCO2S1	EA	1	2,500.00	2,500.00	5,000.00	3.00	7,500.00	3.00	7,500.00	3.00	3.00	7,500.00	100%	
49	REMOVE CATCH BASIN [EXISTING] & CCO 2	EA	9	1,600.00	14,400.00	8,000.00	14.00	22,400.00	14.00	22,400.00	14.00	14.00	22,400.00	100%	
50	F REMOVE CONCRETE [DITCH]	LF	1,980	1.50	2,970.00		1,980.00	2,970.00	1,980.00	2,970.00	1,980.00	1,980.00	2,970.00	100%	
51	F REMOVE CONCRETE SIDEWALK	SOYD	1,488	2.80	4,166.40		1,488.00	4,166.40	1,488.00	4,166.40	1,488.00	1,488.00	4,166.40	100%	
52	REMOVE CONCRETE [PAVERS]	SOYD	500	3.60	1,800.00		500.00	1,800.00	500.00	1,800.00	500.00	500.00	1,800.00	100%	

Contractor: DHL USA, Inc.  
 1920 Main Street, Ste 310  
 Irvine, CA 92614  
 City, State, Zip: Irvine, CA 92614

Estimate No. 36 Final  
 From: February 26, 2017  
 To: March 26, 2017

PROJECT: Magnolia Avenue/BASF Railway Grade Separation Project between Lincoln Street and Buchanan Street in the City of Riverside  
 Contract No. B1-0764, Federal Aid No. TCFICML-0956(193)  
 Contract No. 13-F1-002



Contractor: OHL USA, Inc.  
 1920 Main Street, Ste 310  
 Irvine, CA 92614  
 City, State, Zip:

Estimate No. 38 Final  
 From: February 25, 2017  
 To: March 25, 2017

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	Amount	Previous Quantity	Total Estimate To Date Quantity	% Auth.
53	REMOVE CONCRETE [ACCESS RAMP]	SQYD	260	6.50	1,690.00			260.00	1,690.00	260.00	1,690.00	260.00	1,690.00	100%
54	REMOVE CONCRETE [DRIVEWAY AND APPROACH] & CCO 20	SQYD	420	6.00	2,520.00	12.00	72.00	432.00	2,592.00	432.00	2,592.00	432.00	2,592.00	100%
55	REMOVE CONCRETE [CROSS GUTTER AND SPANDRAL]	SQYD	200	8.00	1,600.00			200.00	1,600.00	200.00	1,600.00	200.00	1,600.00	100%
56	REMOVE CONCRETE [PLASTER]	EA	1	340.00	340.00			1.00	340.00	1.00	340.00	1.00	340.00	100%
57	REMOVE CONCRETE [STAMPED] CCO 20	SQYD	6,150	1.65	10,147.50	-3.00	-4.95	6,147.00	10,142.55	6,147.00	10,142.55	6,147.00	10,142.55	100%
58	REMOVE CONCRETE CURB	LF	3,920	1.50	5,880.00			3,920.00	5,880.00	3,920.00	5,880.00	3,920.00	5,880.00	100%
59	F REMOVE CONCRETE (CURB AND GUTTER)	LF	9,313	1.74	16,204.62			9,313.00	16,204.62	9,313.00	16,204.62	9,313.00	16,204.62	100%
60	REMOVE CONCRETE PAVEMENT	CY	1,700	36.00	61,200.00			1,700.00	61,200.00	1,700.00	61,200.00	1,700.00	61,200.00	100%
61	F REMOVE ASPHALT CONCRETE	CY	5,045	27.00	136,215.00			5,045.00	136,215.00	5,045.00	136,215.00	5,045.00	136,215.00	100%
62	REMOVE ASPHALT CONCRETE [WALKWAY]	CY	250	25.00	6,250.00			250.00	6,250.00	250.00	6,250.00	250.00	6,250.00	100%
63	REMOVE ASPHALT CONCRETE DIKE & CCO 2	LF	860	1.15	758.00	1,260.00	1,449.00	1,920.00	2,208.00	1,920.00	2,208.00	1,920.00	2,208.00	100%
64	REMOVE CONCRETE	CY	6	300.00	1,800.00			6.00	1,800.00	6.00	1,800.00	6.00	1,800.00	100%
65	F REMOVE TREE	EA	190	190.00	36,100.00	8.00	1,520.00	198.00	37,620.00	198.00	37,620.00	198.00	37,620.00	100%
66	F REMOVE TREE [PALM] & CCO 20	EA	32	1,100.00	35,200.00	5.00	5,500.00	37.00	40,700.00	37.00	40,700.00	37.00	40,700.00	100%
67	RESET MAILBOX	EA	4	150.00	600.00			4.00	600.00	4.00	600.00	4.00	600.00	100%
68	RELOCATE FENCE [WROUGHT IRON FENCE AND GATE]	LF	60	240.00	14,400.00			60.00	14,400.00	60.00	14,400.00	60.00	14,400.00	100%
69	RELOCATE FENCE [CHAIN LINK FENCE AND GATE]	LF	560	18.00	10,080.00			560.00	10,080.00	560.00	10,080.00	560.00	10,080.00	100%
70	RELOCATE ROADSIDE SIGN	EA	10	75.00	750.00			10.00	750.00	10.00	750.00	10.00	750.00	100%
71	RELOCATE SIGN STRUCTURE	EA	2	12,000.00	24,000.00			2.00	24,000.00	2.00	24,000.00	2.00	24,000.00	100%
72	ABANDON CULVERT	LF	720	10.00	7,200.00			720.00	7,200.00	720.00	7,200.00	720.00	7,200.00	100%
73	F CAP INLET & CCO 2	EA	2	650.00	1,300.00	3.00	1,950.00	5.00	3,250.00	5.00	3,250.00	5.00	3,250.00	100%
74	ADJUST MANHOLE TO GRADE & CCO 20	EA	6	4,500.00	27,000.00	1.00	4,500.00	7.00	31,500.00	7.00	31,500.00	7.00	31,500.00	100%
75	F CLEANOUT BOX (CITY 425)	EA	1	2,500.00	2,500.00			1.00	2,500.00	1.00	2,500.00	1.00	2,500.00	100%
76	GRATING CATCH BASIN (W=6.40', SPPWC 304-3)	EA	4	7,000.00	28,000.00			4.00	28,000.00	4.00	28,000.00	4.00	28,000.00	100%
77	GRATING CATCH BASIN (W=2.95', SPPWC 304-3)	EA	1	7,000.00	7,000.00			1.00	7,000.00	1.00	7,000.00	1.00	7,000.00	100%
78	PRECAST CATCH BASIN (2' X 2') & CCO 2	EA	1	3,000.00	3,000.00	5.00	15,000.00	6.00	18,000.00	6.00	18,000.00	6.00	18,000.00	100%

PROJECT: Magnolia Avenue/BNST Railway Grade Separation Project between Lincoln Street and Buchanan Street in the City of Riverside and Home Gardens Area  
 County Project No.: B7-0784, Federal Aid No. TCIFCML-3958(183)  
 Contract No. 13-11-002



Contractor: OHL USA, Inc.  
 Address: 1820 Main Street, Ste 310  
 City, State, Zip: Irvine, CA 92614

Estimate No. 38 Final  
 From: February 26, 2017  
 To: March 25, 2017

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	Previous Amount	Total Estimate To Date Quantity	Total Estimate To Date Amount	% Auth.
79	TRANSITION STRUCTURE RCB-PIPE (SPPWC 342-2)	EA	2	18,000.00	36,000.00			2.00	36,000.00	2.00	36,000.00	2.00	36,000.00	2.00	36,000.00	100%
80	JUNCTION STRUCTURE (CITY 422)	EA	1	1,600.00	1,600.00			1.00	1,600.00	1.00	1,600.00	1.00	1,600.00	1.00	1,600.00	100%
81	CORRUGATED STEEL PIPE RISER (.138" THICK)	EA	1	1,900.00	1,900.00			1.00	1,900.00	1.00	1,900.00	1.00	1,900.00	1.00	1,900.00	100%
82	F PRECAST CONCRETE PIPE INLET (CALTRANS D75B)	EA	2	2,400.00	4,800.00			2.00	4,800.00	2.00	4,800.00	2.00	4,800.00	2.00	4,800.00	100%
83	F DETENTION BASIN EXCAVATION	CY	352	12.00	4,224.00			352.00	4,224.00	352.00	4,224.00	352.00	4,224.00	352.00	4,224.00	100%
84	ASPHALT CONCRETE OVERSIDE DRAIN (CRS 306)	EA	2	2,200.00	4,400.00			2.00	4,400.00	2.00	4,400.00	2.00	4,400.00	2.00	4,400.00	100%
85	CLASS B CONCRETE (COLLAR) (RCFC&WCDS M803) & CCO 2	EA	4	550.00	2,200.00	1.00	550.00	5.00	2,750.00	5.00	2,750.00	5.00	2,750.00	5.00	2,750.00	100%
86	CATCH BASIN (CURB INLET) (CRS 300) [W=21]	EA	1	4,700.00	4,700.00			1.00	4,700.00	1.00	4,700.00	1.00	4,700.00	1.00	4,700.00	100%
87	CATCH BASIN (CURB INLET) (CRS 300) [W=14]	EA	1	4,100.00	4,100.00			1.00	4,100.00	1.00	4,100.00	1.00	4,100.00	1.00	4,100.00	100%
88	CATCH BASIN (CURB INLET) (CRS 300) [W=7]	EA	1	3,000.00	3,000.00			1.00	3,000.00	1.00	3,000.00	1.00	3,000.00	1.00	3,000.00	100%
89	CATCH BASIN (CURB INLET) (CRS 300) [W=4]	EA	3	2,000.00	6,000.00			3.00	6,000.00	3.00	6,000.00	3.00	6,000.00	3.00	6,000.00	100%
90	ITEM DELETED BY ADDENDUM															N/A
91	CATCH BASIN (COMBINATION INLET) (CRS 302 - NO.2) [W=6.40]	EA	2	3,600.00	7,200.00			2.00	7,200.00	2.00	7,200.00	2.00	7,200.00	2.00	7,200.00	100%
92	MANHOLE (RCFC&WCDS MH251)	EA	2	8,600.00	17,200.00			2.00	17,200.00	2.00	17,200.00	2.00	17,200.00	2.00	17,200.00	100%
93	JUNCTION STRUCTURE (RCFC&WCDS JS 227)	EA	6	1,100.00	6,600.00			6.00	6,600.00	6.00	6,600.00	6.00	6,600.00	6.00	6,600.00	100%
94	MANHOLE (RCFC&WCDS MH25A) [NO.4]	EA	1	8,600.00	8,600.00			1.00	8,600.00	1.00	8,600.00	1.00	8,600.00	1.00	8,600.00	100%
95	JUNCTION STRUCTURE (RCFC&WCDS JS 229)	EA	1	1,100.00	1,100.00			1.00	1,100.00	1.00	1,100.00	1.00	1,100.00	1.00	1,100.00	100%
96	F STRUCTURAL CONCRETE, BOX CULVERT (CALTRANS D80) (9' X 1.5')	LF	58	665.00	38,570.00		11,970.00	76.00	50,540.00	76.00	50,540.00	76.00	50,540.00	76.00	50,540.00	100%
97	F MINOR CONCRETE (BULKHEAD)	EA	16	1,100.00	17,600.00			16.00	17,600.00	16.00	17,600.00	16.00	17,600.00	16.00	17,600.00	100%
98	F MINOR CONCRETE (INLET DEPRESSION)	CY	4	650.00	2,600.00			4.00	2,600.00	4.00	2,600.00	4.00	2,600.00	4.00	2,600.00	100%
99	F MINOR CONCRETE (HEADWALL)	EA	1	2,400.00	2,400.00			1.00	2,400.00	1.00	2,400.00	1.00	2,400.00	1.00	2,400.00	100%
100	F CONCRETE BACKFILL (PIPE TRENCH) & CCO 2	CY	2	225.00	450.00	20.00	4,500.00	22.00	4,950.00	22.00	4,950.00	22.00	4,950.00	22.00	4,950.00	100%
101	18" REINFORCED CONCRETE PIPE & CCO 2	LF	580	81.00	46,980.00	25.00	2,025.00	605.00	49,005.00	605.00	49,005.00	605.00	49,005.00	605.00	49,005.00	100%
102	24" REINFORCED CONCRETE PIPE	LF	1,500	78.00	117,000.00			1,500.00	117,000.00	1,500.00	117,000.00	1,500.00	117,000.00	1,500.00	117,000.00	100%
103	36" REINFORCED CONCRETE PIPE	LF	660	113.00	74,580.00	-18.00	-2,034.00	642.00	72,546.00	642.00	72,546.00	642.00	72,546.00	642.00	72,546.00	100%
104	DRAINAGE INLET MARKER	EA	19	25.00	475.00			19.00	475.00	19.00	475.00	19.00	475.00	19.00	475.00	100%



PROJECT: Magnolia Avenue/BNSF Railway Grade Separation Project between Lincoln Street and Buchanan Street in the City of Riverside and Home Gardens Area  
 County Project No.: 87-0784, Federal Aid No.: TCFCHL-8866(183)  
 Contract No.: 13-11-002

Contractor: OHL USA, Inc.  
 Address: 1928 Main Street, Ste 310  
 City, State, Zip: Irvine, CA 92614

Estimate No. 38 Final  
 From: February 26, 2017  
 To: March 25, 2017

Item No.	Item Description	Units	Quantity	Unit Price	Original Contract		Change Orders		Amended Contract		This Estimate		Previous Estimate		% Auth.
					Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	
105	8" WELDED STEEL PIPE (.105" THICK)	LF	62	88.00	5,456.00	62.00			5,456.00	62.00			5,456.00	62.00	100%
106	F 18" CONCRETE FLARED END SECTION	EA	1	1,400.00	1,400.00	1.00			1,400.00	1.00			1,400.00	1.00	100%
107	CATCH BASIN (TYPE 1) (CITY 400) (W=14')	EA	3	4,600.00	13,800.00	3.00			13,800.00	3.00			13,800.00	3.00	100%
108	CATCH BASIN (CITY 407) (W=14')	EA	1	6,000.00	6,000.00	1.00			6,000.00	1.00			6,000.00	1.00	100%
109	MANHOLE (CITY 431)	EA	3	9,500.00	28,500.00	3.00			28,500.00	3.00			28,500.00	3.00	100%
110	F ROCK SLOPE PROTECTION (BACKING NO. 2, METHOD B)	CY	38	142.00	5,396.00	38.00			5,396.00	38.00			5,396.00	38.00	100%
111	CONCRETE (DITCH LINING)	CY	13	790.00	10,270.00	13.00			10,270.00	13.00			10,270.00	13.00	100%
112	CONCRETE (CONCRETE APRON)	CY	1	1,375.00	1,375.00	1.00			1,375.00	1.00			1,375.00	1.00	100%
113	F MINOR CONCRETE (GUTTER DEPRESSION) (CRS 311)	CY	13	640.00	8,320.00	13.00			8,320.00	13.00			8,320.00	13.00	100%
114	F MINOR CONCRETE (GUTTER DEPRESSION) (CRS 312)	CY	1	1,100.00	1,100.00	1.00			1,100.00	1.00			1,100.00	1.00	100%
115	F STRUCTURE EXCAVATION (BRIDGE)	CY	1,558	75.00	116,850.00	1,558.00			116,850.00	1,558.00			116,850.00	1,558.00	100%
116	F STRUCTURE EXCAVATION (RETAINING WALL)	CY	570	75.00	42,750.00	570.00			42,750.00	570.00			42,750.00	570.00	100%
117	F STRUCTURE BACKFILL (BRIDGE)	CY	1,227	50.00	61,350.00	1,227.00			61,350.00	1,227.00			61,350.00	1,227.00	100%
118	F STRUCTURE BACKFILL (RETAINING WALL)	CY	624	50.00	31,200.00	624.00			31,200.00	624.00			31,200.00	624.00	100%
119	F IMPORTED BORROW	CY	10,785	11.00	118,635.00	10,785.00			118,635.00	10,785.00			118,635.00	10,785.00	100%
120	CITRUS LABEL TILES	EA	23	5,850.00	134,550.00	23.00			134,550.00	23.00			134,550.00	23.00	100%
121	INTERPRETIVE PANEL TILES	EA	10	1,275.00	12,750.00	10.00			12,750.00	10.00			12,750.00	10.00	100%
122	RECONSTRUCT DRAINAGE FACILITY (ARLINGTON CHANNEL WALL AT CIDH PILE)	LS	1	60,000.00	60,000.00	1.00			60,000.00	1.00			60,000.00	1.00	100%
123	POST GROUTING CIDH PILE	EA	7	10,000.00	70,000.00	7.00			70,000.00	7.00			70,000.00	7.00	100%
124	RECONSTRUCT DRAINAGE FACILITY (ARLINGTON CHANNEL UC AT TEMP BRIDGE)	LS	1	30,000.00	30,000.00	1.00			30,000.00	1.00			30,000.00	1.00	100%
125	RECONSTRUCT CHAIN LINK FENCE	LF	87	50.00	4,350.00	87.00			4,350.00	87.00			4,350.00	87.00	100%
126	MECHANICALLY STABILIZED EMBANKMENT (TEMPORARY RETAINING WALL)	SCQFT	4,530	20.00	90,600.00	4,530.00			90,600.00	4,530.00			90,600.00	4,530.00	100%
127	F MECHANICALLY STABILIZED EMBANKMENT, LOCATION A	SCQFT	8,658	38.00	329,004.00	8,658.00			329,004.00	8,658.00			329,004.00	8,658.00	100%
128	F MECHANICALLY STABILIZED EMBANKMENT, LOCATION B	SCQFT	8,226	38.00	312,588.00	8,226.00			312,588.00	8,226.00			312,588.00	8,226.00	100%
129	F MECHANICALLY STABILIZED EMBANKMENT, LOCATION C	SCQFT	1,704	38.00	64,752.00	1,704.00			64,752.00	1,704.00			64,752.00	1,704.00	100%
130	TEMPORARY SHORING (ARLINGTON CHANNEL WALL)	LS	1	250,000.00	250,000.00	1.00			250,000.00	1.00			250,000.00	1.00	100%

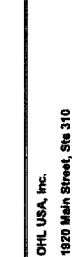
PROJECT: Magnolia Avenue/MSR Railway Grade Separation Project between Lincoln Street and Buchanan Street in the City of Riverside and Home Gardens Area  
 City Project No.: B74764, Federal Aid No. TCFICM-688(183)  
 Contract No. 13-11-002

Contractor: OHL USA, Inc.  
 Address: 1820 Main Street, Ste 310  
 City, State, Zip: Irvine, CA 92614

Estimate No. 36 Final  
 From: February 26, 2017  
 To: March 28, 2017



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	Amount	Previous Quantity	Total Estimate To Date Quantity	Total Estimate To Date Amount	% Adj.
131	FURNISH STEEL PILING (HP 10 X 57)	LF	253	45.00	11,385.00			253.00	11,385.00	253.00	11,385.00	253.00	253.00	11,385.00	100%
132	DRIVE STEEL PILE (HP 10 X 57)	EA	10	1,500.00	15,000.00			10.00	15,000.00	10.00	15,000.00	10.00	10.00	15,000.00	100%
133	FURNISH STEEL PILING (HP 14 X 89)	LF	4,364	45.00	196,380.00			4,364.00	196,380.00	4,364.00	196,380.00	4,364.00	4,364.00	196,380.00	100%
134	DRIVE STEEL PILE (HP 14 X 89)	EA	115	1,500.00	172,500.00			115.00	172,500.00	115.00	172,500.00	115.00	115.00	172,500.00	100%
135	156" CAST-IN-DRILLED-HOLE CONCRETE PILING	LF	1,519	2,650.00	4,025,350.00			1,519.00	4,025,350.00	1,519.00	4,025,350.00	1,519.00	1,519.00	4,025,350.00	100%
136	PRESTRESSING CAST-IN-PLACE CONCRETE (LONGITUDINAL)	LS	1	395,000.00	395,000.00			1.00	395,000.00	1.00	395,000.00	1.00	1.00	395,000.00	100%
137	PRESTRESSING CAST-IN-PLACE CONCRETE (TRANSVERSE)	LS	1	687,000.00	687,000.00			1.00	687,000.00	1.00	687,000.00	1.00	1.00	687,000.00	100%
138	F STRUCTURAL CONCRETE (SIDEWALK SLAB)	CY	65	850.00	55,250.00			65.00	55,250.00	65.00	55,250.00	65.00	65.00	55,250.00	100%
139	F STRUCTURAL CONCRETE, BRIDGE FOOTING	CY	314	300.00	94,200.00			314.00	94,200.00	314.00	94,200.00	314.00	314.00	94,200.00	100%
140	F STRUCTURAL CONCRETE, BRIDGE	CY	13,315	770.00	10,252,550.00			13,315.00	10,252,550.00	13,315.00	10,252,550.00	13,315.00	13,315.00	10,252,550.00	100%
141	F STRUCTURAL CONCRETE, RETAINING WALL	CY	245	500.00	122,500.00			245.00	122,500.00	245.00	122,500.00	245.00	245.00	122,500.00	100%
142	F STRUCTURAL CONCRETE, BARRIER SLAB	CY	516	500.00	258,000.00			516.00	258,000.00	516.00	258,000.00	516.00	516.00	258,000.00	100%
143	F STRUCTURAL CONCRETE, APPROACH SLAB (TYPE N)	CY	197	550.00	108,350.00			197.00	108,350.00	197.00	108,350.00	197.00	197.00	108,350.00	100%
144	F ARCHITECTURAL TREATMENT	SQFT	4,090	22.00	89,980.00			4,090.00	89,980.00	4,090.00	89,980.00	4,090.00	4,090.00	89,980.00	100%
145	F ANTI-GRAFFITI COATING	SQFT	69,820	1.00	69,820.00			69,820.00	69,820.00	69,820.00	69,820.00	69,820.00	69,820.00	69,820.00	100%
146	PTFE SPHERICAL BEARING (HINGE)	EA	7	6,500.00	45,500.00			7.00	45,500.00	7.00	45,500.00	7.00	7.00	45,500.00	100%
147	PTFE SPHERICAL BEARING (ABUTMENT 11)	EA	7	5,300.00	37,100.00			7.00	37,100.00	7.00	37,100.00	7.00	7.00	37,100.00	100%
148	JOINT SEAL ASSEMBLY (MR 10 1/2")	LF	77	1,600.00	123,200.00			77.00	123,200.00	77.00	123,200.00	77.00	77.00	123,200.00	100%
149	JOINT SEAL ASSEMBLY (MR 4")	LF	75	215.00	16,125.00			75.00	16,125.00	75.00	16,125.00	75.00	75.00	16,125.00	100%
150	JOINT SEAL ASSEMBLY (MR 6 1/2")	LF	79	235.00	18,565.00			79.00	18,565.00	79.00	18,565.00	79.00	79.00	18,565.00	100%
151	F BAR REINFORCING STEEL (BRIDGE)	LB	4,857,853	0.80	3,886,282.40			4,857,853.00	3,886,282.40	4,857,853.00	3,886,282.40	4,857,853.00	4,857,853.00	3,886,282.40	100%
152	F BAR REINFORCING STEEL (RETAINING WALL)	LB	26,368	1.25	32,960.00			26,368.00	32,960.00	26,368.00	32,960.00	26,368.00	26,368.00	32,960.00	100%
153	F STRUCTURAL STEEL (BRIDGE)	LB	27,069	7.00	189,483.00			27,069.00	189,483.00	27,069.00	189,483.00	27,069.00	27,069.00	189,483.00	100%
154	F FURNISH STRUCTURAL STEEL (BRIDGE)	LB	22,497	4.00	89,988.00			22,497.00	89,988.00	22,497.00	89,988.00	22,497.00	22,497.00	89,988.00	100%
155	F ERECT STRUCTURAL STEEL (BRIDGE)	LB	22,497	0.50	11,248.50			22,497.00	11,248.50	22,497.00	11,248.50	22,497.00	22,497.00	11,248.50	100%
156	CLEAN AND PAINT STRUCTURAL STEEL	LS	1	15,000.00	15,000.00			1.00	15,000.00	1.00	15,000.00	1.00	1.00	15,000.00	100%



PROGRESS ESTIMATE RECORD - COUNTY OF RIVERSIDE  
 PROJECT: Magnolia Avenue/INSEF Railway Grade Separation Project between Lincoln Street and Buchanan Street in the  
 City of Riverside and Home Gardens Area  
 County Project No. - B7-0784, Federal Aid No. TCFCHL-495K(183)  
 Contract No. - 13-11-002

Contractor:  
 City, State, Zip: GHL USA, Inc.  
 1920 Main Street, Ste 310  
 Irvine, CA 92614

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	Amount	Quantity	
157	WELDED STEEL PIPE CASING (BRIDGE) [32']	LF	84	225.00	18,900.00				84.00	18,900.00			84.00	18,900.00	84.00	18,900.00	100%
158	MINOR CONCRETE (GUTTER) [WALL] & CCO 20	LF	151	30.00	4,530.00		8.00	240.00	159.00	4,770.00			159.00	4,770.00	159.00	4,770.00	100%
159	F ISOLATION CASING	LB	29,150	4.00	116,600.00				29,150.00	116,600.00			29,150.00	116,600.00	29,150.00	116,600.00	100%
160	F MISCELLANEOUS METAL (RESTRAINER - PIPE TYPE)	LB	15,003	6.00	90,018.00				15,003.00	90,018.00			15,003.00	90,018.00	15,003.00	90,018.00	100%
161	F MISCELLANEOUS METAL (RESTRAINER - CABLE F TYPE)	LB	1,775	6.00	10,650.00				1,775.00	10,650.00			1,775.00	10,650.00	1,775.00	10,650.00	100%
162	F MISCELLANEOUS METAL (BRIDGE)	LB	6,801	6.00	39,606.00				6,801.00	39,606.00			6,801.00	39,606.00	6,801.00	39,606.00	100%
163	F BRIDGE DECK DRAINAGE SYSTEM	LB	11,963	6.00	71,778.00				11,963.00	71,778.00			11,963.00	71,778.00	11,963.00	71,778.00	100%
164	TEMPORARY FENCE (TYPE CL-6)	LF	68	25.00	1,700.00				68.00	1,700.00			68.00	1,700.00	68.00	1,700.00	100%
165	F METAL RAILING (RAMP)	LF	321	160.00	51,360.00				321.00	51,360.00			321.00	51,360.00	321.00	51,360.00	100%
166	F METAL RAILING (BRIDGE)	LF	2,925	434.00	1,269,450.00				2,925.00	1,269,450.00			2,925.00	1,269,450.00	2,925.00	1,269,450.00	100%
167	F METAL RAILING [27']	LF	169	134.00	22,646.00				169.00	22,646.00			169.00	22,646.00	169.00	22,646.00	100%
168	F TUBULAR HANDRAILING [22']	LF	1,463	49.00	71,687.00				1,463.00	71,687.00			1,463.00	71,687.00	1,463.00	71,687.00	100%
169	F CONCRETE PARAPET	LF	1,509	60.00	90,540.00				1,509.00	90,540.00			1,509.00	90,540.00	1,509.00	90,540.00	100%
170	F CONCRETE BARRIER (TYPE 26 MODIFIED)	LF	137	120.00	16,440.00				137.00	16,440.00			137.00	16,440.00	137.00	16,440.00	100%
171	F CONCRETE BARRIER (TYPE 732/60D MODIFIED)	LF	330	315.00	103,950.00				330.00	103,950.00			330.00	103,950.00	330.00	103,950.00	100%
172	F CABLE RAILING	LF	135	33.00	4,455.00				135.00	4,455.00			135.00	4,455.00	135.00	4,455.00	100%
173	F CONCRETE BARRIER (TYPE 60D) [MODIFIED]	LF	700	95.00	66,500.00				700.00	66,500.00			700.00	66,500.00	700.00	66,500.00	100%
174	F CONCRETE BARRIER (TYPE 732 MODIFIED)	LF	3,902	65.00	253,630.00				3,902.00	253,630.00			3,902.00	253,630.00	3,902.00	253,630.00	100%
175	F CONCRETE BARRIER (TYPE 732A)	LF	178	95.00	16,910.00				178.00	16,910.00			178.00	16,910.00	178.00	16,910.00	100%
176	MINOR CONCRETE (CURB AND GUTTER) (CRS201)	LF	4,430	22.00	97,460.00				4,430.00	97,460.00			4,430.00	97,460.00	4,430.00	97,460.00	100%
177	MINOR CONCRETE (TYPE "D" CURB) (CRS 204) & CCO 20	LF	1,530	29.00	44,370.00				1,530.00	44,370.00			1,530.00	44,370.00	1,530.00	44,370.00	100%
178	MINOR CONCRETE (CURB RAMP) (CRS 403 - CASE A)	EA	2	3,800.00	7,600.00		74.61	2,163.69	2.00	7,600.00			2.00	7,600.00	2.00	7,600.00	100%
179	MINOR CONCRETE (CURB RAMP) (CRS 403 - CASE B) & CCO 20	EA	4	2,900.00	11,600.00		1.00	2,900.00	5.00	14,500.00			5.00	14,500.00	5.00	14,500.00	100%
180	MINOR CONCRETE (RETAINING CURB) & CCO 20	LF	250	36.00	9,000.00		3.00	108.00	253.00	9,108.00			253.00	9,108.00	253.00	9,108.00	100%
181	MINOR CONCRETE (TYPE I) (CITY 200)	LF	1,470	30.00	44,100.00				1,470.00	44,100.00			1,470.00	44,100.00	1,470.00	44,100.00	100%
182	F RETAINING WALL (MASONRY WALL)	LF	83	105.00	8,715.00				83.00	8,715.00			83.00	8,715.00	83.00	8,715.00	100%

Estimate No. 38 Final  
 From: February 28, 2017  
 To: March 25, 2017



Contractor: OHL USA, Inc.  
 1920 Main Street, Ste 310  
 Irvine, CA 92614  
 City, State, Zip:

Estimate No. 36 Final  
 From: February 26, 2017  
 To: March 25, 2017

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	Amount	Previous Quantity	Total Estimate To Date Quantity	Total Estimate To Date Amount	% Adj.
183	F CONCRETE BLOCK WALL [SLOUGH]	LF	111	80.00	8,880.00			111.00	8,880.00			111.00	111.00	8,880.00	100%
184	F CONCRETE BLOCK WALL [SECURITY]	LF	191	105.00	20,055.00	80.00	8,400.00	271.00	28,455.00			271.00	271.00	28,455.00	100%
185	F CONCRETE BLOCK WALL [ENCLOSURE]	LF	162	160.00	25,920.00			162.00	25,920.00			162.00	162.00	25,920.00	100%
186	MINOR CONCRETE (GUTTER) [LONGITUDINAL]	LF	130	30.00	3,900.00			130.00	3,900.00			130.00	130.00	3,900.00	100%
187	MINOR CONCRETE (CURB AND GUTTER) [CITY 200] (TYPE 1) & CCO 20	LF	1,030	24.00	24,720.00	136.00	3,264.00	1,166.00	27,984.00			1,166.00	1,166.00	27,984.00	100%
188	MINOR CONCRETE (CURB AND GUTTER) [DETAIL 3]	LF	160	29.00	4,640.00			160.00	4,640.00			160.00	160.00	4,640.00	100%
189	MINOR CONCRETE (DRIVEWAY) [DETAIL 7] & CCO 20	SQFT	2,210	16.00	35,360.00	455.50	7,288.00	2,665.50	42,648.00			2,665.50	2,665.50	42,648.00	100%
190	MINOR CONCRETE (DRIVEWAY) [DETAIL 302] (TYPE III)	SQFT	590	16.00	9,440.00			590.00	9,440.00			590.00	590.00	9,440.00	100%
191	MINOR CONCRETE (DRIVEWAY) [CITY 302] (TYPE CURB-1)	SQFT	340	18.00	6,120.00			340.00	6,120.00			340.00	340.00	6,120.00	100%
192	MINOR CONCRETE (DRIVEWAY) [DETAIL 9]	SQFT	630	14.00	8,820.00			630.00	8,820.00			630.00	630.00	8,820.00	100%
193	MINOR CONCRETE (STAMPED CONCRETE)	SQFT	330	17.00	5,610.00			330.00	5,610.00			330.00	330.00	5,610.00	100%
194	MINOR CONCRETE (SIDEWALK)	SQFT	10,320	6.50	67,080.00			10,320.00	67,080.00			10,320.00	10,320.00	67,080.00	100%
195	MINOR CONCRETE (CURB RAMP) [CITY 304]	EA	2	3,000.00	6,000.00			2.00	6,000.00			2.00	2.00	6,000.00	100%
196	MINOR CONCRETE (CURB RAMP) [DETAIL 1]	EA	1	3,100.00	3,100.00			1.00	3,100.00			1.00	1.00	3,100.00	100%
197	F PARKING BUMPER (PRECAST CONCRETE)	EA	27	135.00	3,645.00			27.00	3,645.00			27.00	27.00	3,645.00	100%
198	F CHAIN LINK FENCE [H = 6']	LF	1,484	40.00	59,360.00			1,484.00	59,360.00			1,484.00	1,484.00	59,360.00	100%
199	F CHAIN LINK FENCE (TYPE CL-6)	LF	210	38.00	7,980.00			210.00	7,980.00			210.00	210.00	7,980.00	100%
200	F METAL GATE [WROUGHT IRON, 26']	EA	1	18,000.00	18,000.00			1.00	18,000.00			1.00	1.00	18,000.00	100%
201	WROUGHT IRON FENCE	LF	17	300.00	5,100.00			17.00	5,100.00			17.00	17.00	5,100.00	100%
202	F 16' CHAIN LINK GATE (TYPE CL-6)	EA	2	3,000.00	6,000.00			2.00	6,000.00			2.00	2.00	6,000.00	100%
203	F COLD PLANE ASPHALT CONCRETE PAVEMENT (-17') [MAX]	SQYD	3,487	2.50	8,717.50			3,487.00	8,717.50			3,487.00	3,487.00	8,717.50	100%
204	CLASS 2 AGGREGATE BASE	CY	11,200	32.00	358,400.00			11,200.00	358,400.00			11,200.00	11,200.00	358,400.00	100%
205	F SLURRY SEAL	SQYD	579	3.00	1,737.00			579.00	1,737.00			579.00	579.00	1,737.00	100%
206	HOT MIX ASPHALT (TYPE A) & CCO 2, 20	TON	15,500	68.00	1,054,000.00	1,102.65	74,980.20	16,602.65	1,128,980.20			16,602.65	16,602.65	1,128,980.20	100%
207	MINOR CONCRETE [PCC PAVEMENT] & CCO 20	CY	630	205.00	129,150.00	157.02	32,185.10	787.02	161,335.10			787.02	787.02	161,335.10	100%
208	FINISHING ROADWAY	LS	1	30,000.00	30,000.00			1.00	30,000.00			1.00	1.00	30,000.00	100%



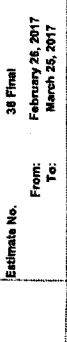
PROJECT: Magnolia Avenue/BSAF Railway Grade Separation Project between Lincoln Street and Buchanan Street in the City of Riverside and Home Gardens Area  
 County Project No.: 87-0784, Federal Aid No. TCFCHL-5956(13)  
 Contract No. 13-11-002

Contractor: OHL USA, Inc.  
 1920 Main Street, Ste 310  
 Irvine, CA 92614

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	Estimate No. 36 Final	
													From: February 26, 2017	To: March 26, 2017
209	STRIPING AND PAVEMENT MARKERS (THERMOPLASTIC)	LS	1	35,000.00	35,000.00			1.00	35,000.00	1.00	35,000.00	1.00	35,000.00	100%
210	IRRIGATION SYSTEM	LS	1	197,000.00	197,000.00			1.00	197,000.00	1.00	197,000.00	1.00	197,000.00	100%
211	LANDSCAPE IMPROVEMENTS	LS	1	223,000.00	223,000.00			1.00	223,000.00	1.00	223,000.00	1.00	223,000.00	100%
212	SIGNAL AND LIGHTING	LS	1	565,000.00	565,000.00			1.00	565,000.00	0.95	565,000.00	0.95	565,000.00	100%
213	LIGHTING AND SIGN ILLUMINATION	LS	1	675,000.00	675,000.00			1.00	675,000.00	1.00	675,000.00	1.00	675,000.00	100%
214	F CRASH CUSHION (TYPE TRACC)	EA	1	32,000.00	32,000.00			1.00	32,000.00	1.00	32,000.00	1.00	32,000.00	100%
215	METAL BEAM GUARD RAILING	LF	88	60.00	5,280.00			88.00	5,280.00	88.00	5,280.00	88.00	5,280.00	100%
216	F TRANSITION RAILING (TYPE WB)	EA	1	3,800.00	3,800.00			1.00	3,800.00	1.00	3,800.00	1.00	3,800.00	100%
217	F ALTERNATIVE FLARED TERMINAL SYSTEM	EA	1	2,750.00	2,750.00			1.00	2,750.00	1.00	2,750.00	1.00	2,750.00	100%
218	RECONSTRUCT BOLLARD CCO 20	EA	5	800.00	4,000.00	1.00	800.00	6.00	4,800.00	6.00	4,800.00	6.00	4,800.00	100%
219	RECONSTRUCT BACKFLOW PREVENTER AND COVER	EA	9	600.00	5,400.00			9.00	5,400.00	9.00	5,400.00	9.00	5,400.00	100%
220	RECONSTRUCT MONUMENT SIGN	EA	2	17,500.00	35,000.00			2.00	35,000.00	2.00	35,000.00	2.00	35,000.00	100%
221	METAL (ROADSIDE SIGN) [BARRIER MOUNTED]	EA	1	450.00	450.00			1.00	450.00	1.00	450.00	1.00	450.00	100%
222	METAL (ROADSIDE SIGN) [WALL MOUNTED]	EA	8	350.00	2,800.00			8.00	2,800.00	8.00	2,800.00	8.00	2,800.00	100%
223	METAL (ROADSIDE SIGN) [LIGHT POLE MOUNTED]	EA	16	75.00	1,200.00			16.00	1,200.00	16.00	1,200.00	16.00	1,200.00	100%
224	METAL (ROADSIDE SIGN) [FENCE MOUNTED]	EA	12	75.00	900.00			12.00	900.00	12.00	900.00	12.00	900.00	100%
225	ROADSIDE SIGN - ONE POST	EA	44	175.00	7,700.00			44.00	7,700.00	44.00	7,700.00	44.00	7,700.00	100%
226	ROADSIDE SIGN - TWO POST	EA	3	750.00	2,250.00			3.00	2,250.00	3.00	2,250.00	3.00	2,250.00	100%
227	ITEM DELETED BY ADDENDUM													N/A
228	FURNISH 12-INCH DUCTILE IRON PIPE (PRESSURE CLASS 350)	LF	280	82.00	22,960.00			280.00	22,960.00	280.00	22,960.00	280.00	22,960.00	100%
229	INSTALL 12-INCH DUCTILE IRON PIPE COMPLETE PER PLAN AND CWD-040-1 & 2	LF	280	65.00	18,200.00			280.00	18,200.00	280.00	18,200.00	280.00	18,200.00	100%
230	FURNISH 20-INCH DUCTILE IRON PIPE (PRESSURE CLASS 250)	LF	420	133.00	55,860.00			420.00	55,860.00	420.00	55,860.00	420.00	55,860.00	100%
231	INSTALL 20-INCH DUCTILE IRON PIPE COMPLETE PER PLAN AND CWD-040-1 & 2	LF	420	82.00	34,440.00			420.00	34,440.00	420.00	34,440.00	420.00	34,440.00	100%
232	FURNISH AND INSTALL TEMPORARY HIGHLINE, INCLUDING ALL FITTINGS AND APPURTENANCES, PER PLAN.	LS	1	22,000.00	22,000.00			1.00	22,000.00	1.00	22,000.00	1.00	22,000.00	100%
233	FURNISH AND INSTALL 24-INCH STEEL SPLIT CASING, PER PLAN + CCO251 & CCO 20	LF	50	245.00	12,250.00		6,615.00	77.00	18,865.00	77.00	18,865.00	77.00	18,865.00	100%
234	FURNISH AND INSTALL 2-INCH WATER SERVICE PER CWD-807	EA	1	2,645.00	2,645.00			1.00	2,645.00	1.00	2,645.00	1.00	2,645.00	100%







Item No.	Item Description	Units	Quantity	Unit Price	Contractor:		Change Orders		Amended Contract		This Estimate		Previous		Total Estimate To Date	Estimate No.	From:	To:	38 Final		
					City, State, Zip:	Address:	Original Contract Amount	Original Contract Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity						Amount	Quantity
CCO 3	FLAGGING	FA	0	1.00	0.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	100%			20,000.00	100%
CCO 3S1	FLAGGING	FA	0	1.00	0.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	100%			20,000.00	100%
CCO 3S2	FLAGGING	FA	0	1.00	0.00	90,000.00	90,000.00	90,000.00	90,000.00	90,000.00	90,000.00	90,000.00	90,000.00	90,000.00	90,000.00	90,000.00	100%			90,000.00	100%
CCO 3S3	FLAGGING & CCO 20	FA	0	1.00	0.00	64,513.86	64,513.86	64,513.86	64,513.86	64,513.86	64,513.86	64,513.86	64,513.86	64,513.86	64,513.86	64,513.86	100%			64,513.86	100%
CCO 4	DRB MEETINGS & CCO 20	FA	0	1.00	0.00	14,100.00	14,100.00	14,100.00	14,100.00	14,100.00	14,100.00	14,100.00	14,100.00	14,100.00	14,100.00	14,100.00	100%			14,100.00	100%
CCO 5	STANDBY DRILLING EQUIPMENT & CCO 20	FA	0	1.00	0.00	88,558.12	88,558.12	88,558.12	88,558.12	88,558.12	88,558.12	88,558.12	88,558.12	88,558.12	88,558.12	88,558.12	100%			88,558.12	100%
CCO 6	TEMPORARY SIGNAL	FA	0	1.00	0.00	95,000.00	95,000.00	95,000.00	95,000.00	95,000.00	95,000.00	95,000.00	95,000.00	95,000.00	95,000.00	95,000.00	100%			95,000.00	100%
CCO 6S1	TEMPORARY SIGNAL	FA	0	1.00	0.00	35,000.00	35,000.00	35,000.00	35,000.00	35,000.00	35,000.00	35,000.00	35,000.00	35,000.00	35,000.00	35,000.00	100%			35,000.00	100%
CCO 6S2	TEMPORARY SIGNAL & CCO 20	FA	0	1.00	0.00	11,267.97	11,267.97	11,267.97	11,267.97	11,267.97	11,267.97	11,267.97	11,267.97	11,267.97	11,267.97	11,267.97	100%			11,267.97	100%
CCO 7	TEMPORARY STRIPING & SIGNAGE	FA	0	1.00	0.00	50,000.00	50,000.00	50,000.00	50,000.00	50,000.00	50,000.00	50,000.00	50,000.00	50,000.00	50,000.00	50,000.00	100%			50,000.00	100%
CCO 7S1	TEMPORARY STRIPING & SIGNAGE & CCO 20	FA	0	1.00	0.00	24,601.05	24,601.05	24,601.05	24,601.05	24,601.05	24,601.05	24,601.05	24,601.05	24,601.05	24,601.05	24,601.05	100%			24,601.05	100%
CCO 8	RELOCATING CONFLICTING STORM DRAIN & CCO 20	FA	0	1.00	0.00	34,182.11	34,182.11	34,182.11	34,182.11	34,182.11	34,182.11	34,182.11	34,182.11	34,182.11	34,182.11	34,182.11	100%			34,182.11	100%
CCO 9	IMPLEMENTATION OF MASS CONCRETE THERMAL MONITORING SYSTEM & CCO 20	FA	0	1.00	0.00	116,359.53	116,359.53	116,359.53	116,359.53	116,359.53	116,359.53	116,359.53	116,359.53	116,359.53	116,359.53	116,359.53	100%			116,359.53	100%
CCO 10	MAINTAIN BACK ALLEY AND EB DETOUR & CCO 20	LS	0	1.00	0.00	37,129.87	37,129.87	37,129.87	37,129.87	37,129.87	37,129.87	37,129.87	37,129.87	37,129.87	37,129.87	37,129.87	100%			37,129.87	100%
CCO 11	ELECTRICAL SYSTEM SPECIFICATIONS & CCO 20	FA	0	1.00	0.00	34,473.94	34,473.94	34,473.94	34,473.94	34,473.94	34,473.94	34,473.94	34,473.94	34,473.94	34,473.94	34,473.94	100%			34,473.94	100%
CCO 12	RECONSTRUCTION OF IRRIGATION SYSTEM	AP	0	1.00	0.00	5,060.00	5,060.00	5,060.00	5,060.00	5,060.00	5,060.00	5,060.00	5,060.00	5,060.00	5,060.00	5,060.00	100%			5,060.00	100%
CCO 13	REINFORCED CONCRETE PIPE	AP	0	1.00	0.00	755.24	755.24	755.24	755.24	755.24	755.24	755.24	755.24	755.24	755.24	755.24	100%			755.24	100%
CCO 14	CONCRETE PAVEMENT REPLACEMENT	LS	0	1.00	0.00	23,925.00	23,925.00	23,925.00	23,925.00	23,925.00	23,925.00	23,925.00	23,925.00	23,925.00	23,925.00	23,925.00	100%			23,925.00	100%
CCO 15	TRAFFIC SIGNAL WORK, REMOVE TREES, INCREASE SIZE OF GATE, TOP RAIL FENCE	LS	0	1.00	0.00	15,397.62	15,397.62	15,397.62	15,397.62	15,397.62	15,397.62	15,397.62	15,397.62	15,397.62	15,397.62	15,397.62	100%			15,397.62	100%
CCO 15	CONFLICT WITH UNKNOWN UTILITIES, ADD STRIPE, OTHER UNFORSEEN WORK & CCO 20	FA	0	1.00	0.00	47,834.64	47,834.64	47,834.64	47,834.64	47,834.64	47,834.64	47,834.64	47,834.64	47,834.64	47,834.64	47,834.64	100%			47,834.64	100%
CCO 16	WATER PIPE CONFLICT & CCO 20	FA	0	1.00	0.00	13,677.42	13,677.42	13,677.42	13,677.42	13,677.42	13,677.42	13,677.42	13,677.42	13,677.42	13,677.42	13,677.42	100%			13,677.42	100%
CCO 17	REWORK OF POLE DISK HOLDER	LS	0	1.00	0.00	5,060.00	5,060.00	5,060.00	5,060.00	5,060.00	5,060.00	5,060.00	5,060.00	5,060.00	5,060.00	5,060.00	100%			5,060.00	100%
CCO 18	CONSTRUCTION STAGING SAFETY ENHANCEMENT	LS	0	1.00	0.00	103,460.00	103,460.00	103,460.00	103,460.00	103,460.00	103,460.00	103,460.00	103,460.00	103,460.00	103,460.00	103,460.00	100%			103,460.00	100%
CCO 19	FLAGGING ADJUSTMENT & PREMIUM MATERIALS	LS	0	1.00	0.00	130,408.00	130,408.00	130,408.00	130,408.00	130,408.00	130,408.00	130,408.00	130,408.00	130,408.00	130,408.00	130,408.00	100%			130,408.00	100%
CCO 21	PARTIAL BRIDGE DECK REMEDIATION	LS	0	1.00	0.00	38,409.68	38,409.68	38,409.68	38,409.68	38,409.68	38,409.68	38,409.68	38,409.68	38,409.68	38,409.68	38,409.68	100%			38,409.68	100%

**CHANGE ORDER REPORT**  
**(Magnolia Avenue /BNSF Railway Grade Separation Project)**

CCO #	Amount	Percent	Description
	Original Contract Amount \$34,167,522		
1	\$23,360	0.07%	Performed a temporary sewer line relocation around CIDH pile #6RT and existing railroad signal pole, additional mobilization costs for clearing & grubbing operation after the initial removal prior to February 15, 2014, additional tree removal quantities, and City of Riverside permit fee reimbursement.
2	\$90,149	0.26%	Various Extra Work items associated with Stage-1 detour resulting from conflicting existing drainage Inlets, existing asbestos storm drain removal, and grade deferential along the detour alignment.
2S1	\$60,000	0.18%	Additional funds to compensate the contractor for performing various extra work items associated with Stage-1 detour resulting from conflicting existing drainage Inlets, existing asbestos storm drain, grade differential along the detour alignment, and constructing additional drainage systems and drainage inlets along the detour.
3	\$20,000	0.06%	Flagman provided for eastbound and westbound Magnolia Avenue traffic at intersection with BNSF railroad tracks to insure all vehicles traveling on Magnolia Avenue remain outside the railroad danger zone during peak traffic hours and until the cue cutter along eastbound Magnolia Avenue was activated and an adequate safety measure was implemented along the westbound direction.
3S1	\$20,000	0.06%	Additional funds were required for additional flagging services across east bound Magnolia at the railroad intersection during heavy traffic congestions and during Queue Cutter malfunctions.
3S2	\$90,000	0.26%	Additional funds were required for providing additional flagging services across east bound Magnolia at the railroad intersection "full time- 24hrs/day" until Queue Cutter was fully functional and additional safety items including installing additional K-rails & crash cushions, channelizes, delineators, striping, striping removals, pavement markers, reflectors and painted arrows as directed in the field by BNSF Railroad representative.
3S3	\$65,000	0.19%	Additional funds were required for providing additional flagging services across east bound Magnolia at the railroad intersection "full time- 24hrs/day" until Queue Cutter was fully functional and additional safety items including installing additional K-rails & crash cushions, channelizes, delineators, striping, striping removals, pavement markers, reflectors and painted arrows as directed in the field by BNSF Railroad representative. School cross guard flagman were also necessary to keep school children within the newly constructed pedestrian pathway.
4	\$15,000	0.04%	Compensated the contractor for half of all the costs associated establishing the Disputes Review Board referred

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			to as the "DRB" in accordance with Section 5-1.43, "Claim Resolution Board and Dispute Resolution Review Board," of the Contracts Specifications.
5	\$101,986	0.30%	Additional "Standby- Rental Equipment" costs associated with BNSF railroad company's shutdown (11/25/2014 and 1/6/2015) as well as additional demobilization of contractor's equipment's associated with the shutdown drilling operation.
6	\$95,000	0.28%	Temporary signal at the intersection of Indiana Avenue and Buchanan Avenue was required for the duration of Magnolia Avenue closure and improved detour traffic circulation along Indiana Avenue between Lincoln and Buchanan Avenues.
6S1	\$35,000	0.10%	Additional funds were required for the temporary signal at the intersection of Indiana Avenue and Buchanan Avenue.
6S2	\$25,000	0.07%	Additional funds were required for the temporary signal at the intersection of Indiana Avenue and Buchanan Avenue.
7	\$113,900	0.33%	Constructing temporary striping and signage along Magnolia closure detours. Magnolia Avenue was closed between Lincoln and Buchanan due to serious safety concerns for traveling public at the BNSF railroad crossing.
7S1	\$35,000	0.10%	Additional funds for constructing temporary striping and signage along Magnolia Closure Detours. Magnolia Avenue was closed between Lincoln and Buchanan due to serious safety concerns for traveling public at the BNSF railroad crossing.
8	\$35,000	0.10%	Removed the conflicting section on 48" RCP storm drain with CIDH Pile#6LT and relocating around this pile after the pile was constructed.
9	\$145,000	0.42%	Incorporated Thermal Monitoring & Cooling system for Mass Concrete and compliance with applicable Standard Specifications Section 51-6 "Mass Concrete" and Chapter-7 of the Caltrans Concrete Technology as it applies to large concrete sections requiring Thermal Monitoring and implementation.
10	\$50,000	0.15%	Maintained eastbound detour to various business east of Lincoln Avenue, cleaning debris, trash, mud, maintain drainage systems during and after storms, and removal of overgrown shrubs/trees along the back alley way (east and south of businesses) along EB Magnolia Avenue between Lincoln and Railroad tracks.
11	\$35,299	0.10%	Changes requested by Edison.
12	\$5,060	0.01%	Irrigation system was removed and reconstructed due to project improvements.
13	\$19,091	0.06%	Increase and decrease of bid items
14	\$23,925	0.07%	Reconstruction of approximately 1200 LF of existing concrete pavement along the Frontage Rd. in order to complete the proposed improvements per plan.

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15	\$65,000	0.19%	Provided labor, materials, and equipment to complete unforeseen work encountered during the construction of the new improvements: two additional trees, construction of a gate, construction of chain link fence, and traffic control.
16	\$13,677	0.04%	Provided labor, materials, and equipment for the standby time and necessary work expended in the realignment of the 20" water line.
17	5,060	0.01%	Provided labor, materials, and equipment for changes and clarifications necessary for the design and fabrication of the Bridge Street Light Pole Disks and for the design of the artwork wraps which was changed from single sided to double sided.
18	103,480	0.30%	Revision to the project staging and traffic control to improve the safety while working on, around and over the BNSF railroad tracks.
19	130,408	0.38%	Additional costs for BNSF flagging, not included in the contract documents.
20	54,498	0.16%	Balances increases and decreases of the contract bid items. The item increases were above 100% but under 125% of the contract items. This CCO also provides balancing all Contract Change Orders for under paid or over paid authorized expenditure amount to its final amount paid to contractor.
21	38,410	0.11%	Compensate the Contractor for 50% of the cost of partial bridge deck remediation and seal various cracks to eliminate further maintenance requirements.
Quantity Adjustments	\$0	0%	
Change Order Total and New Contract Total	\$35,680,826		