

CONTRACT CHANGE ORDER MEMORANDUM

TO: DEANNA VILCHECK / JEANNETTE BALDERRAMOS			FILE: E.A. 04 - 0120M4
FROM: JEANNETTE BALDERRAMOS			CO-RTE-PM 04-ALA-80-1.6/2.7
			FED. NO. NO FED AID
CCO#	SUPPLEMENT#:	Category Code:	CONTINGENCY BALANCE (incl. this change)
1	0	AJZZ	\$5,079,361.00
COST: \$250,000.00		INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>	HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
SUPPLEMENTAL FUNDS PROVIDED: \$250,000.00		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CCO DESCRIPTION: Flagging & Traffic Control			PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM
Original Contract Time:	Time Adj. This Change:	Previously Approved CCO Time Adjustments:	Percentage Time Adjusted: (including this change)
1140 Day(s)	0 Day(s)	0 Day(s)	0 %
			Total # of Unreconciled Deferred Time CCO(s): (including this change)
			0

THIS CHANGE ORDER PROVIDES FOR:

- Maintain the roadway and provide additional traffic control for the sole convenience and direction of the public in accordance with Section 7-1.08, Public Convenience, of the Standard Specifications and as authorized by the Engineer.
- Payment for the State's share of flagging costs in accordance with Section 12-2.02, Flagging Costs, of the Standard Specifications.

This work will be performed as Extra Work as Force Account for an estimated cost of \$250,000.00. Supplemental funds have been provided for the work of this change in the amount of \$860,000.00.

The Oakland Touchdown 2 (OTD2) completes the Oakland Mainland connector of the east span of the San Francisco Oakland Bay Bridge (SFOBB). The project is about 3,200 meters in length with a new East Bound structure comprised of concrete box girder bridges each approximately 26 meters wide, 40 meters high and 140 meters in length. Also included is 2,260 meters of striping and overlay on existing structures and 1,000 meters of striping and paving of roadway.

No adjustment of the contract time is warranted, as this change does not affect the controlling operation.

Design and Maintenance concurrence is not required as this work is anticipated by the contract documents.

CONCURRED BY:			ESTIMATE OF COST		
Construction Engineer:	JEANNIE BALDERRAMOS	Date	THIS REQUEST	TOTAL TO DATE	
Bridge Engineer:		Date	ITEMS	\$0.00	\$0.00
Project Engineer:	GABRIEL TCRUZ	Date	FORCE ACCOUNT	\$250,000.00	\$250,000.00
Project Manager:	KEN TERPSTRA	Date	AGREED PRICE	\$0.00	\$0.00
FHWA Rep.:		Date	ADJUSTMENT	\$0.00	\$0.00
Environmental:		Date	TOTAL	\$250,000.00	\$250,000.00
Other (specify):		Date	FEDERAL PARTICIPATION		
Other (specify):		Date	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING		
District Prior Approval By:		Date	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)		
HQ (Issue Approve) By:		Date	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS		
Resident Engineer's Signature:		Date	FEDERAL FUNDING SOURCE PERCENT		
					
7-3-12					

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO 1	Suppl. No. 0	Contract No 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: **FLATRION WEST INC**

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Extra Work at Force Account:

Maintain traffic and provide additional traffic control for the sole convenience and direction of the public in accordance with Section 10-1.23, Maintaining Traffic of the Contract Special Provisions and as authorized by the Engineer.

Provide for the State's share of flagging costs in accordance with Section 12-2.02, Flagging Cost, of the Standard Specifications.

This work will be paid in accordance with Contract Special Provisions Section 5-1.11 Force Account Payment and Standard Specification Section 4-1.03D Extra Work.

Estimated cost of Extra Work at Force Account\$250,000.00

Estimated Cost: Increase Decrease \$250,000.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by		
Signature <i>Jeannie Balderramos</i>	Resident Engineer Jeannie Balderramos	Date 6/12/2012
Approval Recommended by		
Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 6/13/12
Engineer Approval by		
Signature	Area Construction Manager DEANNA VILCHECK	Date

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

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by		
Signature <i>[Signature]</i>	(Print name and title) <i>F. DADA O.P.</i>	Date 6/25/12

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO 2	Suppl. No. 0	Contract No. 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: FLATRION WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Extra Work at Force Account:

Provide survey work as determined by the Engineer.

This work will be paid for in accordance with Special Provisions Section 5-1.11 Force Account Payment and Standard Specifications 4-1.03D Extra Work.

Estimated cost of Extra Work at Force Account\$150,000.00

Estimated Cost: Increase Decrease \$150,000.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by

Signature <i>J. Balderramos</i>	Resident Engineer Jeannie Balderramos	Date 6-13-12
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Approval Recommended by

Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 6/13/12
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Engineer Approval by

Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 6/13/12
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We the undersigned contractor, have given careful consideration to the change proposed and agree, if this proposal is approved, that we will provide all equipment, furnish the materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by

Signature <i>[Signature]</i>	(Print name and title) <i>F. TRANKA O.P.</i>	Date 6/13/12
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CONTRACT CHANGE ORDER MEMORANDUM

DATE: 5/9/2012 Page 1 of 1

TO: DEANNA VILCHECK / JEANNETTE BALDERRAMOS		FILE: E.A. 04 - 0120M4
FROM: JEANNETTE BALDERRAMOS		CO-RTE-PM 04-ALA-80-1.6/2.7
CCO# 2 SUPPLEMENT#: 0 Category Code: CGGA		FED. NO. NO FED AID
COST: \$150,000.00 INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>		CONTINGENCY BALANCE (incl. this change) \$4,929,361.00
SUPPLEMENTAL FUNDS PROVIDED: \$0.00		HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
CCO DESCRIPTION: Surveying to supplement Caltrans Survey		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
		PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)
		Percentage Time Adjusted: (including this change) 0 %
		Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

Advance and support survey work pertaining to the Oakland Touchdown # 2 (OTD-2).

This project, the Oakland Touchdown # 2 (OTD-2), provides for completing construction of East Bound Bridge and other work which will connect eastbound and westbound traffic on the new east span of the San Francisco Oakland Bay Bridge (SFOBB) to the existing Oakland Mainland.

This change order provides for this survey work to supplement the surveying provided by Caltrans' own forces.

Compensation shall be paid as extra work at force account at an estimated cost of \$150,000.00 which shall be financed from the contract's contingency funds. A cost analysis is on file.

No adjustment of contract time is warranted as this work will not affect the controlling operation.

Maintenance concurrence is not required as this change doesn't affect any permanent roadway features.

CONCURRED BY:		ESTIMATE OF COST	
Construction Engineer: JEANNIE BALDERRAMOS <i>JB</i> Date <i>7-3-12</i>	Bridge Engineer: _____ Date _____	ITEMS	THIS REQUEST TOTAL TO DATE
Project Engineer: GABRIEL TCRUZ Date <i>7/10/12</i>	Project Manager: KEN TERPSTRA Date <i>7/3/12</i>	FORCE ACCOUNT	\$0.00 \$0.00
FHWA Rep.: _____ Date _____	Environmental: _____ Date _____	AGREED PRICE	\$150,000.00 \$150,000.00
Other (specify): _____ Date _____	Other (specify): _____ Date _____	ADJUSTMENT	\$0.00 \$0.00
District Prior Approval By: _____ Date _____	HQ (Issue Approve) By: _____ Date _____	TOTAL	\$150,000.00 \$150,000.00
Resident Engineer's Signature <i>Deanna Vilcheck</i> Date _____		FEDERAL PARTICIPATION	
		<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING	
		FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
		<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS	
		FEDERAL FUNDING SOURCE	PERCENT
		_____	_____
		_____	_____

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO 3	Suppl. No. 0	Contract No 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: FLATRION WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Extra Work at Force Account:

Establish a Dispute Review Board (DRB) for this contract as provided in the Special Provisions Section 5-1.04 and Standard Specification (as amended) on Dispute Resolution , 5-1.15C.

As provided in the above the cost of this work shall be borne equally by the contractor and the State. No markups will be allowed in payment of the State's share of the cost.

Estimated cost of Extra Work at Force Account\$37,500.00

Estimated Cost: Increase Decrease \$37,500.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by		
Signature <i>J. Balderramos</i>	Resident Engineer Jeannie Balderramos	Date 7-3-12

Approval Recommended by		
Signature <i>Deanna Vिल्чек</i>	Area Construction Manager DEANNA VILCHECK	Date 7/9/12

Engineer Approval by		
Signature	Area Construction Manager DEANNA VILCHECK	Date

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

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by		
Signature	(Print name and title)	Date

CONTRACT CHANGE ORDER MEMORANDUM

TO: DEANNA VILCHECK JEANNETTE BALDERRAMOS		FILE: E.A. 04 - 0120M4
FROM: JEANNETTE BALDERRAMOS		CO-RTE-PM 04-ALA-80-1.6/2.7
		FED. NO. NO FED AID
CCO# 3	SUPPLEMENT#: 0	Category Code: ARZZ
COST: \$37,500.00		CONTINGENCY BALANCE (incl. this change) \$4,891,361.00
INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>		HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
SUPPLEMENTAL FUNDS PROVIDED: \$37,500.00		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

CCO DESCRIPTION: Dispute Review Board (Caltrans Portion)		PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM		
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)	Percentage Time Adjusted: (including this change) 0 %	Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:
Establishing a Disputes Review Board (DRB) in accordance with the terms specified in the Special Provisions 5-1.04 and Standard Specification (as amended) on Dispute Resolution, 5-1.15C. The purpose of the Board is to assist in the resolution of disputes and potential claims arising from the contract work.

The cost of providing a DRB for this contract shall be borne equally by the Contractor and the State. For the purposes of enabling payment to the Contractor, payments shall be Extra Work at Force Account. Payments shall be made on a lump sum basis from invoices submitted by the Board, not more often than once a month.

Markups will not be allowed in the payment of the State's share of the invoiced costs.

The Oakland Touchdown 2 (OTD2) completes the Oakland Mainland connector of the east span of the San Francisco Oakland Bay Bridge (SFOBB). The project is about 3,200 meters in length with a new East Bound structure approximately are comprised of concrete box girder bridges each approximately 26 meters wide, 40 meters high and 140 meters in length. Also included is 2,260 meters of striping and overlay on existing structures and 1,000 meters of striping and paving of roadway.

Estimated Cost of Extra Work at Force Account in the amount of \$ 37,500. Supplemental Funds have been provided for this in Line Item # 12 for the amount of \$37,500.

No adjustment of contract time is warranted by this change.

Maintenance concurrence is not required as this work is administrative and anticipated by the contract documents.

CONCURRED BY:		ESTIMATE OF COST	
Construction Engineer: JEANNIE BALDERRAMOS <i>JB</i>	Date: 7-9-12	THIS REQUEST	TOTAL TO DATE
Bridge Engineer:	Date:	ITEMS	\$0.00
Project Engineer: GABRIEL TCRUZ	Date:	FORCE ACCOUNT	\$37,500.00
Project Manager: KEN TERPSTRA	Date:	AGREED PRICE	\$0.00
FHWA Rep.:	Date:	ADJUSTMENT	\$0.00
Environmental:	Date:	TOTAL	\$37,500.00
Other (specify):	Date:	FEDERAL PARTICIPATION	
Other (specify):	Date:	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING	
District Prior Approval By:	Date:	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
HQ (Issue Approve) By:	Date:	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS	
Resident Engineer's Signature: <i>Deanna Vilcheck</i>	Date: 7/9/12	FEDERAL FUNDING SOURCE	PERCENT

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO 10	Suppl. No. 0	Contract No 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: FLATRION WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Adjustment of Compensation at Lump Sum:

Incorporate the change to the bikepath cross-slope as shown on revised Contract Plan Sheet Nos. 589R1 and 650R1, sheet nos. 2 and 3 of 3 of this contract change order.

There shall be no cost or credit to the Department for the reason of this change.

Handwritten: 12/26/12

Estimated Cost: Increase Decrease \$0.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by

Signature <i>Jeannie Balderramos</i>	Resident Engineer Jeannie Balderramos	Date 12-21-2012
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Approval Recommended by

Signature <i>Jeannie Balderramos</i>	Construction Engineer Jeannie Balderramos	Date 12-21-2012
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Engineer Approval by

Signature <i>Deanna Vilcheck</i>	Area Construction Manager Deanna Vilcheck	Date 12/3/13
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We the undersigned contractor, have given careful consideration to the change proposed and agree, if this proposal is approved, that we will provide all equipment, furnish the materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by

Signature <i>[Signature]</i>	(Print name and title) F. DAVANCE U.P.	Date 12/28/12
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Handwritten: ck



DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	80	1.6/2.7	589R	744



STAMP IS VALID FOR REVISION **1** ONLY

MARK	DATE	DESCRIPTION	BY	CH'D
1	6/7/12	REVISED BIKEPATH CONTOURS	MSC	TWD

CONTRACT CHANGE ORDER NO. 10
SHEET 2 OF 3
04-0120MA

LEGEND

- /// Deck Contour
- Bikepath contour

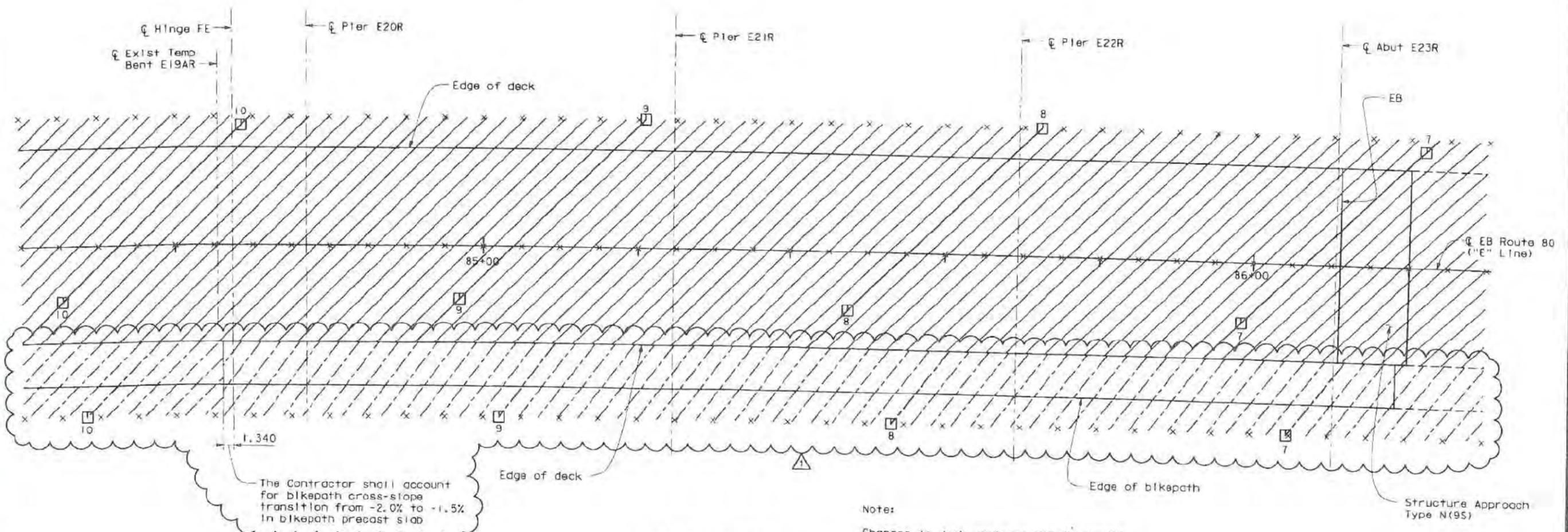
Notes:

1. Contour interval at 0.05 meter.
2. Contours do not include camber.
3. x - Indicates 5.00 meter interval along station line.
4. □ - Indicates even meter contour.
5. Contours are for top of deck and top of Bikepath.

Mohan
REGISTERED ENGINEER - CIVIL
10-3-11
PLANS APPROVAL DATE
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

T.Y. LIN / MOFFATT & NICHOL
TWO HARRISON STREET, SUITE 500
SAN FRANCISCO, CA 94105

AECOM TECHNICAL SERVICES INC.
999 TOWN & COUNTRY ROAD
ORANGE, CA 92668



PARTIAL PLAN
1:250

Note:
Changes to deck contours may be needed to match as-built deck elevations of Frame 1 at temporary Bent E19AR.

Note:
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

DESIGN OVERSIGHT <i>Hasan El-Natur</i> HASAN EL-NATUR	DESIGN BY M. CHAR CHECKED T. DUDLEY
SIGN OFF DATE 6/27/12	DETAILS BY U. ANDRASEK CHECKED M. CHAR
Rev. Date 5-14-99	QUANTITIES BY Y. KIM CHECKED A. SIVATHASAN/T. DUDLEY

DESIGN BY M. CHAR CHECKED T. DUDLEY		PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO. 34-0006R
DETAILS BY U. ANDRASEK CHECKED M. CHAR			KILOMETER POST 2.1
QUANTITIES BY Y. KIM CHECKED A. SIVATHASAN/T. DUDLEY			MOHAN S. CHAR PROJECT ENGINEER

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN		SAN FRANCISCO OAKLAND BAY BRIDGE EAST SPAN SEISMIC SAFETY PROJECT	
CU 04 EA 0120M1		OAKLAND APPROACH STRUCTURES - PHASE 2 EASTBOUND DECK CONTOURS	



DISREGARD PRINTS BEARING EARLIER REVISION DATES	SHEET NO. 17 TOTAL SHEETS 109
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SUBMITTAL - 12

DATE PLOTTED: 03/04/2014 10:41:33 AM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
CONTRACT CHANGE ORDER MEMORANDUM

DATE: 5/22/2012 Page 1 of 1

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS		FILE: E.A. 04 - 0120M4
FROM: JEANNIE BALDERRAMOS		CO-RTE-PM 04-ALA-80-1.6/2.7
CCO# 10 SUPPLEMENT# 0 Category Code: CHPT		FED. NO. NO FED AID
COST \$0.00 INCREASE <input type="checkbox"/> DECREASE <input type="checkbox"/>		CONTINGENCY BALANCE (incl. this change) \$630,601.70
SUPPLEMENTAL FUNDS PROVIDED: \$0.00		HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
CCO DESCRIPTION: Bike Path Cross Slope Changes		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM		
Original Contract Time	Time Adj. This Change:	Previously Approved CCO Time Adjustments:
1140 Day(s)	0 Day(s)	0 Day(s)
		Percentage Time Adjusted: (including this change) 0 %
		Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

Revise the bikepath cross-slope from a 2% to 1.5% to meet American with Disabilities Act (ADA) requirements.

The Oakland Touchdown 2 (OTD2) completes the Oakland Mainland connector of the east span of the San Francisco Oakland Bay Bridge (SFOBB). The project is about 3,200 meters in length with a new eastbound structure comprised of concrete box girder bridge, approximately 26 meters wide, 40 meters high and 140 meters in length. Also included is 2,260 meters of striping and overlay on existing structures and 1,000 meters of striping and paving of roadway.

The Office of Structure Design revised the bikepath cross-slope, as shown on revised Contract Plan Sheet Nos. 589R1 and 650R1, from a 2% to 1.5% to comply with a new American for Disability Act requirements

This change does not result in any cost or credit to the Department.

No adjustment to contract time is warranted as this change does not affect controlling operations.

This change was requested by Office of Structures Design (OSD).

CONCURRED BY:		ESTIMATE OF COST	
Construction Engineer: Jeannie Balderramos	Date: 2-5-13	THIS REQUEST	TOTAL TO DATE
Bridge Engineer: Gary J Lai	Date: 2/4/2013	ITEMS	\$0.00
Project Engineer: Hasan E. - Nataraj	Date: 2/20/13	FORCE ACCOUNT	\$0.00
Project Manager: Ken Terpstra	Date: 3/13/13	AGREED PRICE	\$0.00
FHWA Rep.: Environmental	Date:	ADJUSTMENT	\$0.00
Other (specify): JAIMIE GUTIERREZ	Date: 4/19/13	TOTAL	\$0.00
Other (specify): P.E. GABRIEL TORUJ	Date: 4/19/13	FEDERAL PARTICIPATION	
Other (specify): Lina Ellis, Maintenance	Date: 3/7/13	<input type="checkbox"/> PARTICIPATING	<input type="checkbox"/> PARTICIPATING IN PART
District Prior Approval By:	Date:	<input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE)	<input checked="" type="checkbox"/> NONE
HQ (Issue Approve) By:	Date:	<input type="checkbox"/> NON-PARTICIPATING	
Resident Engineer's Signature:	Date:	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
	4-30-13	<input type="checkbox"/> CCO FUNDED PER CONTRACT	<input type="checkbox"/> CCO FUNDED AS FOLLOWS
		FEDERAL FUNDING SOURCE	PERCENT

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO 4	Suppl. No. 0	Contract No. 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: FLATRION WEST INC

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Extra Work at Force Account:

reimburse the Contractor for the State's share of the costs in accordance with Special Provisions 5-1.04 and Standard Specification (as amended) on Partnering, 5-1.012D Payment.

The Department does not pay mark up on these costs..

Estimated cost of Extra Work at Force Account\$90,000.00

Estimated Cost: Increase Decrease \$90,000.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by

Signature <i>Jeannie Balderramos</i>	Resident Engineer Jeannie Balderramos	Date 6-13-12
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Approval Recommended by

Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 6/13/12
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Engineer Approval by

Signature	Area Construction Manager DEANNA VILCHECK	Date
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We the undersigned contractor, have given careful consideration to the change proposed and agree, if this proposal is approved, that we will provide all equipment, furnish the materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by

Signature <i>[Signature]</i>	(Print name and title) FRANK COCCO U.P.	Date 6/20/12
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CONTRACT CHANGE ORDER MEMORANDUM

DATE: 10/5/2012 Page 1 of 1

TO: DEANNA VILCHECK (JEANNIE BALDERRAMOS)		FILE: E.A. 04 - 0120M4
FROM: JEANNIE BALDERRAMOS		CO-RTE-PM 04-ALA-80-1.6/2.7
		FED. NO. NO FED AID
CCO#: 7	SUPPLEMENT#: 0	Category Code: CHPE
CONTINGENCY BALANCE (incl. this change)		\$400,216.62
COST: \$10,000.00	INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>	HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
SUPPLEMENTAL FUNDS PROVIDED: \$0.00		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
CCO DESCRIPTION: Temporary Bird Screens		PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)
Percentage Time Adjusted: (including this change) 0 %		Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

Install screens to prevent wildfowl nesting around the new and existing bridge structures within the Oakland Touchdown 2 project limits.

The Oakland Touchdown 2 (OTD2) completes the Oakland Mainland connector of the east span of the San Francisco Oakland Bay Bridge (SFOBB). The project is about 3,200 meters in length with a new eastbound structure comprised of concrete box girder bridge, approximately 26 meters wide, 40 meters high and 140 meters in length. Also included is 2,260 meters of striping and overlay on existing structures and 1,000 meters of striping and paving of roadway.

In order to prevent wildfowl nesting, the Contractor shall install bird screens per Detail V-1 as shown on Standard Plan B7-1 (2010 Standard Plans) and other measures as directed by Engineer.

This work will be performed as Extra Work as Force Account for an estimated cost of \$10,000.00, which shall be financed from the contract's contingency funds. A cost analysis is on file.

This change was requested by Stefan Galvez-Abadia, SFOBB Environmental Compliance Manager, on January 29, 2013. Structure Maintenance concurs with this change.

No adjustment of contract time is warranted, as this change will not affect the controlling operation.

CONCURRED BY:			ESTIMATE OF COST	
Construction Engineer:	JEANNIE BALDERRAMOS <i>JB</i>	Date: 1/31/2013	THIS REQUEST	TOTAL TO DATE
Bridge Engineer:	GARY J LAI <i>GL</i>	Date: 2/01/2013	ITEMS	\$0.00
Project Engineer:	GABRIEL TCRUZ	Date: 2/5/13	FORCE ACCOUNT	\$10,000.00
Project Manager:	KEN TERPSTRA <i>KT</i>	Date: 3/26/13	AGREED PRICE	\$0.00
FHWA Rep.:		Date:	ADJUSTMENT	\$0.00
Environmental:	Stefan Galvez	Date: 2/9/13	TOTAL	\$10,000.00
Other (specify):	JAIME GUTIERREZ	Date: 2/4/13	FEDERAL PARTICIPATION	
Other (specify):	LINA ELLIS, STRUC MAINTENAN	Date: 2/11/13	<input type="checkbox"/> PARTICIPATING	<input type="checkbox"/> PARTICIPATING IN PART
District Prior Approval By:		Date:	<input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE)	<input checked="" type="checkbox"/> NONE
HQ (Issue Approve) By:		Date:	<input type="checkbox"/> NON-PARTICIPATING	
Resident Engineer's Signature:	<i>J. Balderramos</i>	Date: 3/18/13	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
			<input type="checkbox"/> CCO FUNDED PER CONTRACT	<input type="checkbox"/> CCO FUNDED AS FOLLOWS
			FEDERAL FUNDING SOURCE	PERCENT

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO: 7	Suppl. No. 0	Contract No. 04- 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: FLATRION WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Extra Work at Force Account:

Install bird screens to prevent wildfowl nesting around the new and existing bridge structures within the Oakland Touchdown 2 project limits per Detail V-1 as shown on Standard Plan B7-1 (2010 Standard Plans) and other measures as directed by Engineer.

Estimated cost of Extra Work at Force Account\$10,000.00

Estimated Cost: Increase Decrease \$10,000.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by
 Signature *J. Balderramos* Resident Engineer Jeannie Balderramos Date 1/31/2013

Approval Recommended by
 Signature *J. Balderramos* Construction Engineer Jeannie Balderramos Date 1/31/2013

Engineer Approval by
 Signature *J. Balderramos* Construction Engineer Jeannie Balderramos Date 3/18/2013

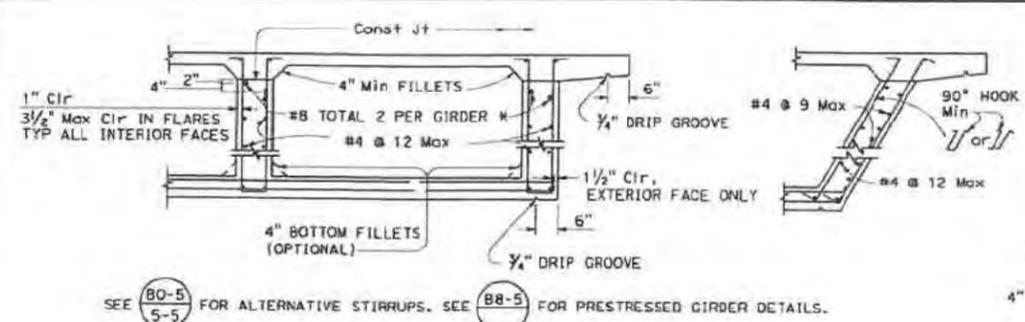
We the undersigned contractor, have given careful consideration to the change proposed and agree, if this proposal is approved, that we will provide all equipment, furnish the materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will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

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by
 Signature *[Signature]* (Print name and title) *FDAA-0 V.P.* Date 3/7/13

GFA

284

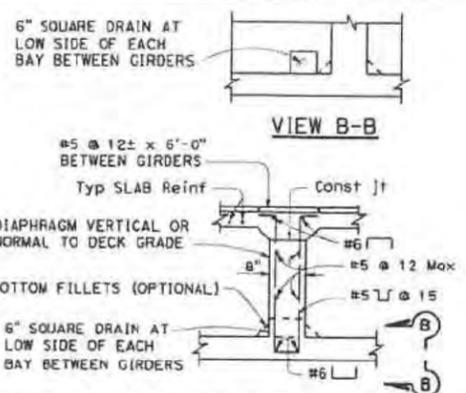


SEE (B0-5/5-5) FOR ALTERNATIVE STIRRUPS. SEE (B8-5) FOR PRESTRESSED GIRDER DETAILS.

TYPICAL BOX GIRDER DETAILS

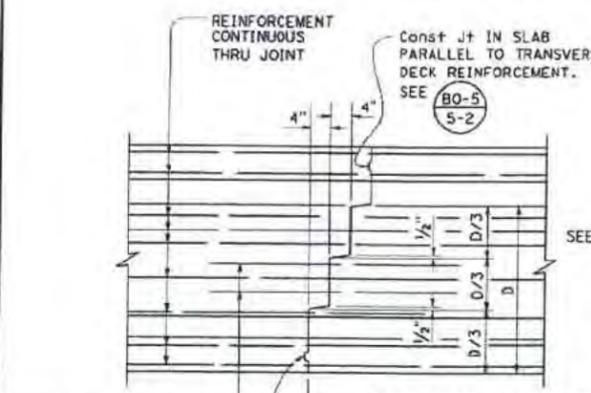
DETAIL B-1

* At all web construction joints



INTERMEDIATE DIAPHRAGM SECTION

DETAIL D-1



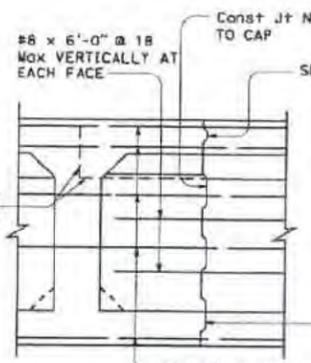
TRANSVERSE GIRDER CONSTRUCTION JOINTS

DETAIL J-3

2-#8 x 6'-0" @ 18
Max Vert THESE BARS
MAY BE OMITTED FOR
PRESTRESSED GIRDERS

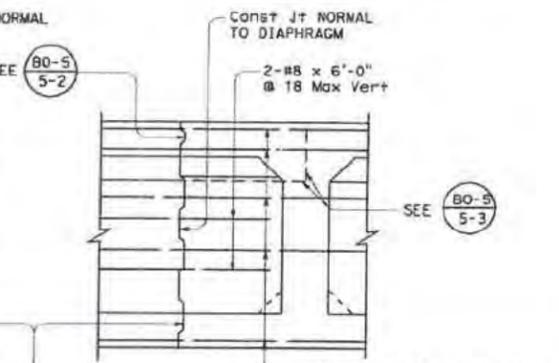
SEE (B0-5/5-2)

0.2 SPAN LENGTH TO C BENT
OR AS APPROVED BY THE ENGINEER



BENT CAP

DETAIL J-4

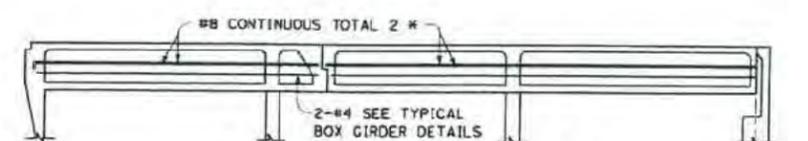


DIAPHRAGMS

DETAIL J-4

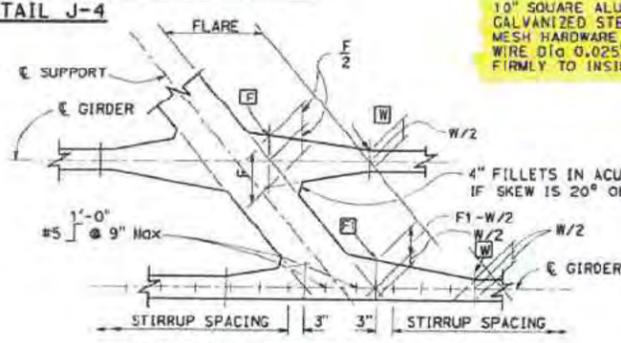
KEYS 1'-0" ± x 1/2" OVER
50% OF AREA

REINFORCEMENT CONTINUOUS
THRU JOINT



GIRDER WEB REINFORCEMENT

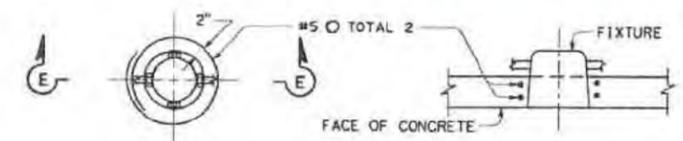
DETAIL J-1



TYPICAL GIRDER FLARE AND STIRRUP SPACING DIAGRAM

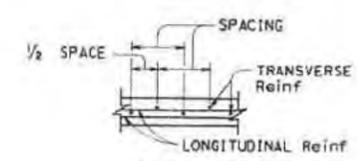
DETAIL S-3

W and F denote girder width in inches.



RECESSED SOFFIT LIGHT

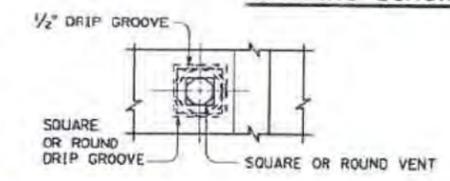
DETAIL F-1



DETAIL S-2

BOTTOM SLAB TRANSVERSE REINFORCEMENT

SPACING DIAGRAM



VENT

DETAIL V-1

NOTE:
5" ø or ø vent in lower slab. Minimum of two vents per span in each bay between girders. One vent to be located at low point of span and other vent to be located at opposite end of span @ 1'-6" from face of abutment or bent.

10" SQUARE ALUMINUM OR CALVANIZED STEEL WIRE 1/4" MESH HARDWARE CLOTH. MIN WIRE DIA 0.025". ANCHOR FIRMLY TO INSIDE OF SOFFIT.

BOX GIRDER DETAILS

NO SCALE

B7-1

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

May 20, 2011
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

2010 STANDARD PLAN B7-1

CONTRACT NO. 04-0120M4
CONTRACT CHANGE ORDER NO. 07
SHEET 2 OF 2

[Return to Table of Contents](#)

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO: 13	Suppl. No. 0	Contract No. 04- 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: FLATRION WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Extra Work at Force Account:

Provide progress schedule software, training and support as deemed necessary by the Engineer.

This work will be paid for in accordance with Special Provisions Section 5-1.11 Force Account Payment and Standard Specifications 4-1.03D Extra Work.

Estimated cost of Extra Work at Force Account\$15,000.00

Estimated Cost: Increase Decrease \$15,000.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by

Signature <i>J. Balderramos</i>	Resident Engineer JEANNIE BALDERRAMOS	Date 12-10-12
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Approval Recommended by

Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 12/11/12
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Engineer Approval by

Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 2/8/13
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We the undersigned contractor, have given careful consideration to the change proposed and agree, if this proposal is approved, that we will provide all equipment, furnish the materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by

Signature <i>[Signature]</i>	(Print name and title) <i>F. DANA V.P.</i>	Date 12/28/12
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CR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
CONTRACT CHANGE ORDER MEMORANDUM

DATE: 5/22/2012 Page 1 of 1

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS		FILE: E.A. 04 - 0120M4
FROM: JEANNIE BALDERRAMOS		CO-RTE-PM 04-ALA-80-1.6/2.7
		FED. NO. NO FED AID
CCO# 13	SUPPLEMENT#: 0	Category Code: AWZZ
CONTINGENCY BALANCE (incl. this change)		\$630,601.70
COST: \$15,000.00	INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>	HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
SUPPLEMENTAL FUNDS PROVIDED: \$0.00		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
CCO DESCRIPTION: Add'l Schedule Training & Support		PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)
Percentage Time Adjusted: (including this change) 0 %		Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

Provide progress schedule, software licenses, training and support as deemed necessary by the Engineer.

The Oakland Touchdown 2 (OTD2) completes the Oakland Mainland connector of the east span of the San Francisco Oakland Bay Bridge (SFOBB). The project is about 3,200 meters in length with a new eastbound structure comprised of concrete box girder bridge, approximately 26 meters wide, 40 meters high and 140 meters in length. Also included is 2,260 meters of striping and overlay on existing structures and 1,000 meters of striping and paving of roadway.

Compensation for this change shall be paid as extra work at force account for an estimated amount of \$15,000.00, which can be financed from the contingency funds. A cost analysis is on file at the Resident Engineer's Office.

This CCO does not require maintenance concurrence as this does not effect any permanent feature.

No adjustment of contract time is warranted, as this change will not affect the controlling operation.

This change was requested by Construction.

CONCURRED BY:		ESTIMATE OF COST	
Construction Engineer: JEANNIE BALDERRAMOS	Date: 2/5/13	THIS REQUEST	TOTAL TO DATE
Bridge Engineer:	Date:	ITEMS	\$0.00
Project Engineer: GABRIEL TCRUZ	Date: 2/6/13	FORCE ACCOUNT	\$15,000.00
Project Manager: KEN TERPSTRA	Date: 2/11/13	AGREED PRICE	\$0.00
FHWA Rep.:	Date:	ADJUSTMENT	\$0.00
Environmental:	Date:	TOTAL	\$15,000.00
Other (specify): Jaime Gutierrez Sr. Dgn Engr	Date: 2/6/13	FEDERAL PARTICIPATION	
Other (specify):	Date:	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING	
District Prior Approval By:	Date:	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
HQ (Issue Approve) By:	Date:	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS	
Resident Engineer's Signature:	Date: 2/7/13	FEDERAL FUNDING SOURCE	PERCENT

CONTRACT CHANGE ORDER MEMORANDUM

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS		FILE: E.A. 04 - 0120M4	
FROM: JEANNIE BALDERRAMOS		CO-RTE-PM 04-ALA-80-1.6/2.7	
		FED. NO. NO FED AID	
CCO#: 7	SUPPLEMENT#: 0	Category Code: CHPE	CONTINGENCY BALANCE (incl. this change) \$400,216.62
COST: \$10,000.00		INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>	HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
SUPPLEMENTAL FUNDS PROVIDED: \$0.00		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CCO DESCRIPTION: Temporary Bird Screens		PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM	
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)	Percentage Time Adjusted: (including this change) 0 %
		Total # of Unreconciled Deferred Time CCO(s): (including this change) 0	

THIS CHANGE ORDER PROVIDES FOR:

Install screens to prevent wildfowl nesting around the new and existing bridge structures within the Oakland Touchdown 2 project limits.

The Oakland Touchdown 2 (OTD2) completes the Oakland Mainland connector of the east span of the San Francisco Oakland Bay Bridge (SFOBB). The project is about 3,200 meters in length with a new eastbound structure comprised of concrete box girder bridge, approximately 26 meters wide, 40 meters high and 140 meters in length. Also included is 2,260 meters of striping and overlay on existing structures and 1,000 meters of striping and paving of roadway.

In order to prevent wildfowl nesting, the Contractor shall install bird screens per Detail V-1 as shown on Standard Plan B7-1 (2010 Standard Plans) and other measures as directed by Engineer.

This work will be performed as Extra Work as Force Account for an estimated cost of \$10,000.00, which shall be financed from the contract's contingency funds. A cost analysis is on file.

This change was requested by Stefan Galvez-Abadia, SFOBB Environmental Compliance Manager, on January 29, 2013. Structure Maintenance concurs with this change.

No adjustment of contract time is warranted, as this change will not affect the controlling operation.

CONCURRED BY:		ESTIMATE OF COST	
Construction Engineer: JEANNIE BALDERRAMOS <i>JB</i> Date <i>1/31/2013</i>		THIS REQUEST	TOTAL TO DATE
Bridge Engineer: GARY J LAI Date		ITEMS	\$0.00
Project Engineer: GABRIEL TCRUZ Date		FORCE ACCOUNT	\$10,000.00
Project Manager: KEN TERPSTRA Date		AGREED PRICE	\$0.00
FHWA Rep.: Date		ADJUSTMENT	\$0.00
Environmental: Stefan Galvez Date		TOTAL	\$10,000.00
Other (specify): JAIME GUTIERREZ Date		FEDERAL PARTICIPATION	
Other (specify): LINA ELLIS, STRUC MAINTENAN Date		<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING	
District Prior Approval By: Date		FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
HQ (Issue Approve) By: Date		<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS	
Resident Engineer's Signature: Date		FEDERAL FUNDING SOURCE	PERCENT

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO: 7	Suppl. No. 0	Contract No. 04- 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: FLATRION WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Extra Work at Force Account:

Install bird screens to prevent wildfowl nesting around the new and existing bridge structures within the Oakland Touchdown 2 project limits per Detail V-1 as shown on Standard Plan B7-1 (2010 Standard Plans) and other measures as directed by Engineer.

Estimated cost of Extra Work at Force Account\$10,000.00

Estimated Cost: Increase Decrease \$10,000.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by

Signature 	Resident Engineer Jeannie Balderramos	Date 1/31/2013
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Approval Recommended by

Signature 	Construction Engineer Jeannie Balderramos	Date 1/31/2013
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Engineer Approval by

Signature	Construction Engineer Jeannie Balderramos	Date
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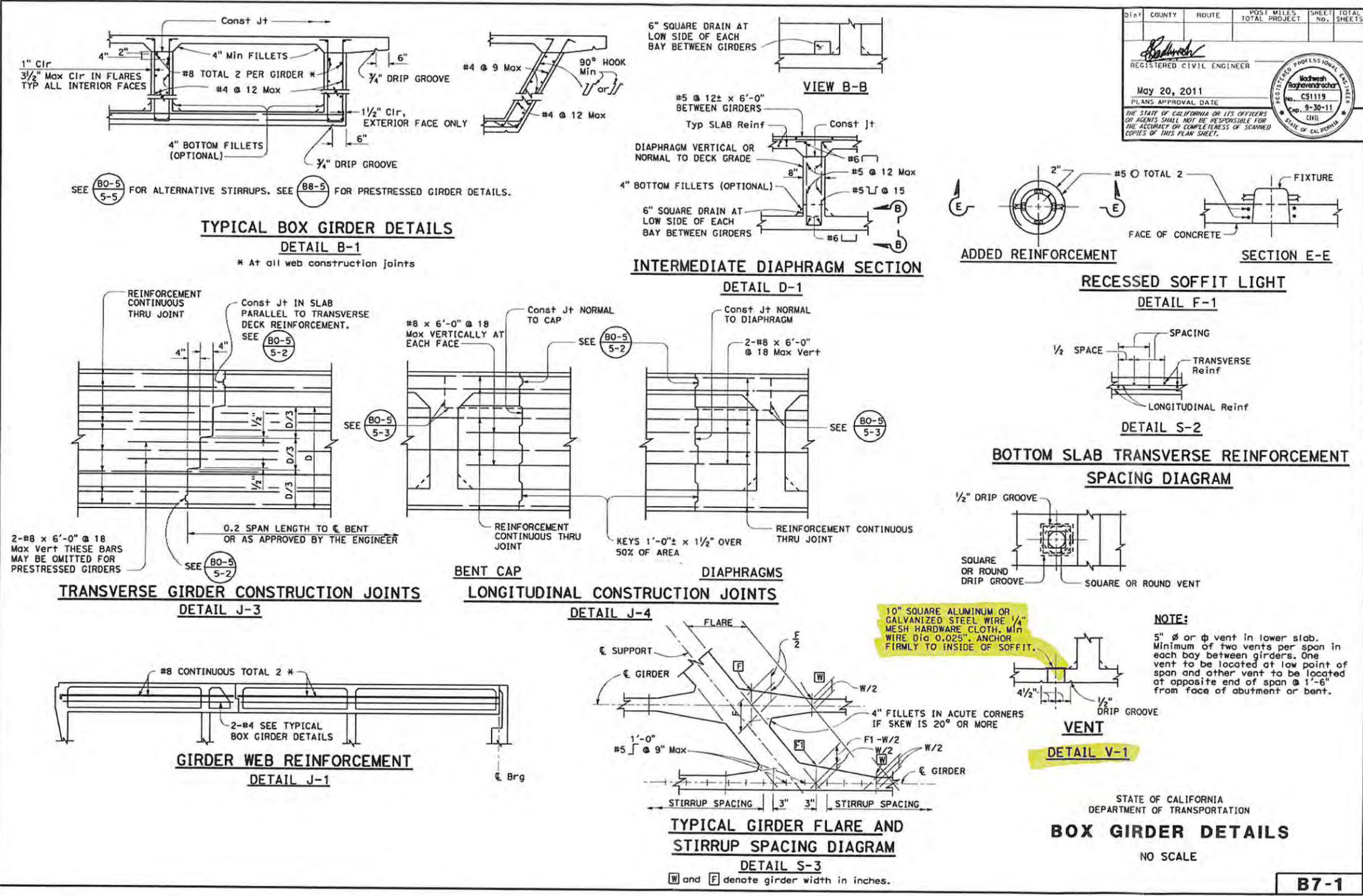
We the undersigned contractor, have given careful consideration to the change proposed and agree, if this proposal is approved, that we will provide all equipment, furnish the materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by

Signature	(Print name and title)	Date
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2010 STANDARD PLAN B7-1

CONTRACT NO. 04-0120M4
 CONTRACT CHANGE ORDER NO. 07
 SHEET 2 OF 2

Return to Table of Contents

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO 19	Suppl. No. 0	Contract No. 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: FLATRION WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Adjustment of Compensation at Lump Sum:

The Stage Construction Work Activity numbering is corrected as shown on sheets 2 through 5 of this change order, contract plan sheets:

- SC-12 - STAGE CONSTRUCTION TRAFFIC HANDLING PLAN STAGE 2 (117r1)
- SC-13 - STAGE CONSTRUCTION TRAFFIC HANDLING PLAN STAGE 2 (118r1)
- SC-15 - STAGE CONSTRUCTION TRAFFIC HANDLING PLAN STAGE 2 (120r1)
- SC-20 - STAGE CONSTRUCTION TRAFFIC HANDLING PLAN STAGE 3 (125r1)

There shall be no cost or credit to the state by reason of this change.

Est: 11-19-12

Estimated Cost: Increase Decrease \$0.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by

Signature <i>Jeannette Balderramos</i>	Resident Engineer JEANNETTE BALDERRAMOS	Date <i>11/16/12</i>
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Approval Recommended by

Signature <i>Jeannette Balderramos</i>	Construction Engineer JEANNIE BALDERRAMOS	Date <i>11/16/12</i>
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Engineer Approval by

Signature	Area Construction Manager DEANNA VILCHECK	Date
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We the undersigned contractor, have given careful consideration to the change proposed and agree, if this proposal is approved, that we will provide all equipment, furnish the materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by

Signature	(Print name and title)	Date
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FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Alc	80	1.6/2.7	117R1	744
<i>Gabriel A. Cruz</i> REGISTERED CIVIL ENGINEER			6-2-11	DATE	
10-3-11 PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

REVISOR: GABRIEL CRUZ
 DATE: RAFAEL RAVELO

DESIGNER: JAIME E. GUTIERREZ
 CHECKER:

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TOLL BRIDGE

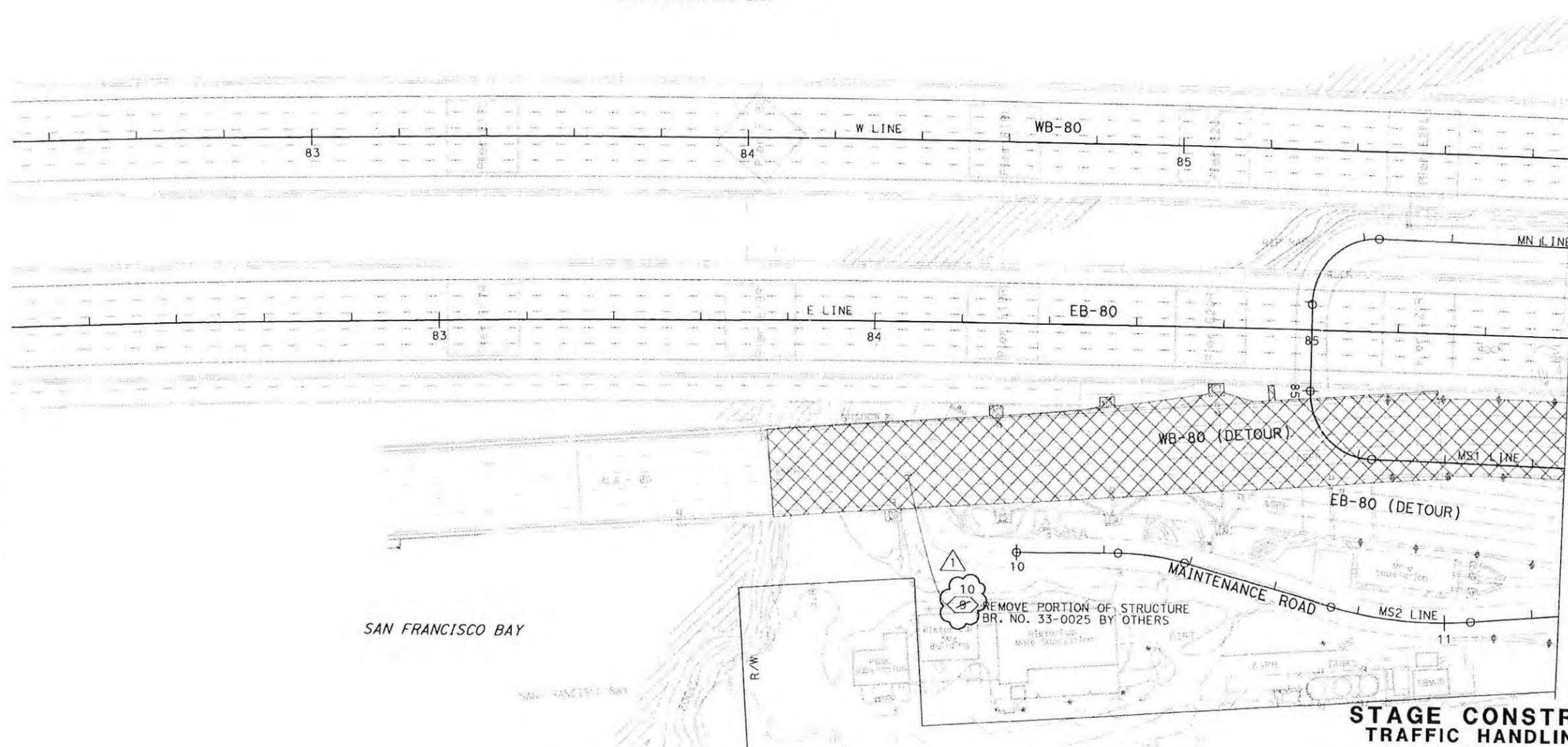


SAN FRANCISCO BAY

△	5/8/12	REVISED WORK ACTIVITY No.	GT	MM
MARK	DATE	DESCRIPTIONS	REV	CHK
REVISIONS				
CONTRACT CHANGE ORDER No. <u>019</u>				
SHEET <u>2</u> OF <u>5</u>				



Gabriel A. Cruz
 FOR REVISION ONLY



SEE SHEET SC-13

SAN FRANCISCO BAY

STAGE CONSTRUCTION TRAFFIC HANDLING PLAN
STAGE 2
 SCALE 1:500

FOR NOTES &/OR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SC-12

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

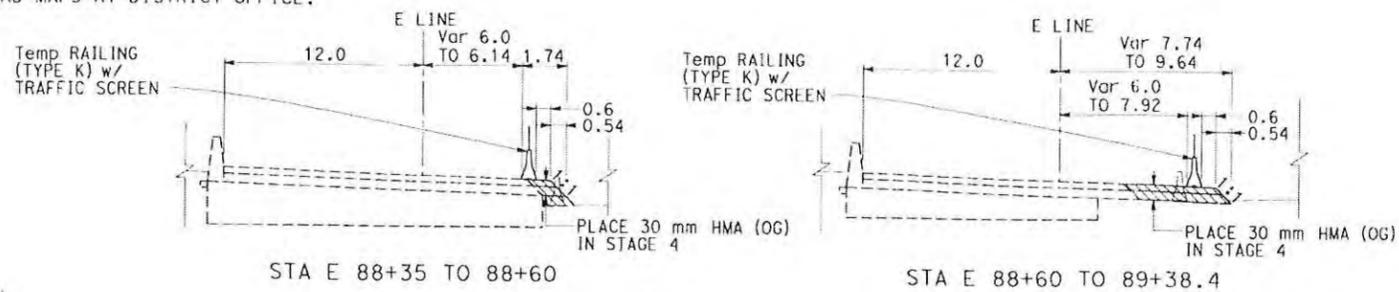


Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	118R1	744

Registered Civil Engineer: *Gabriel Teruz*
 No. 68108
 Exp. 6-30-11
 CIVIL
 STATE OF CALIFORNIA

Registered Professional Engineer: *Gabriel Teruz*
 No. 68108
 Exp. 6-30-13
 CIVIL
 STATE OF CALIFORNIA

6-2-11 DATE
 10-3-11 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
1	5/8/12	REVISED WORK ACTIVITY No.	GT	MM	
REVISIONS					

CONTRACT CHANGE ORDER No. 019
SHEET 3 OF 5

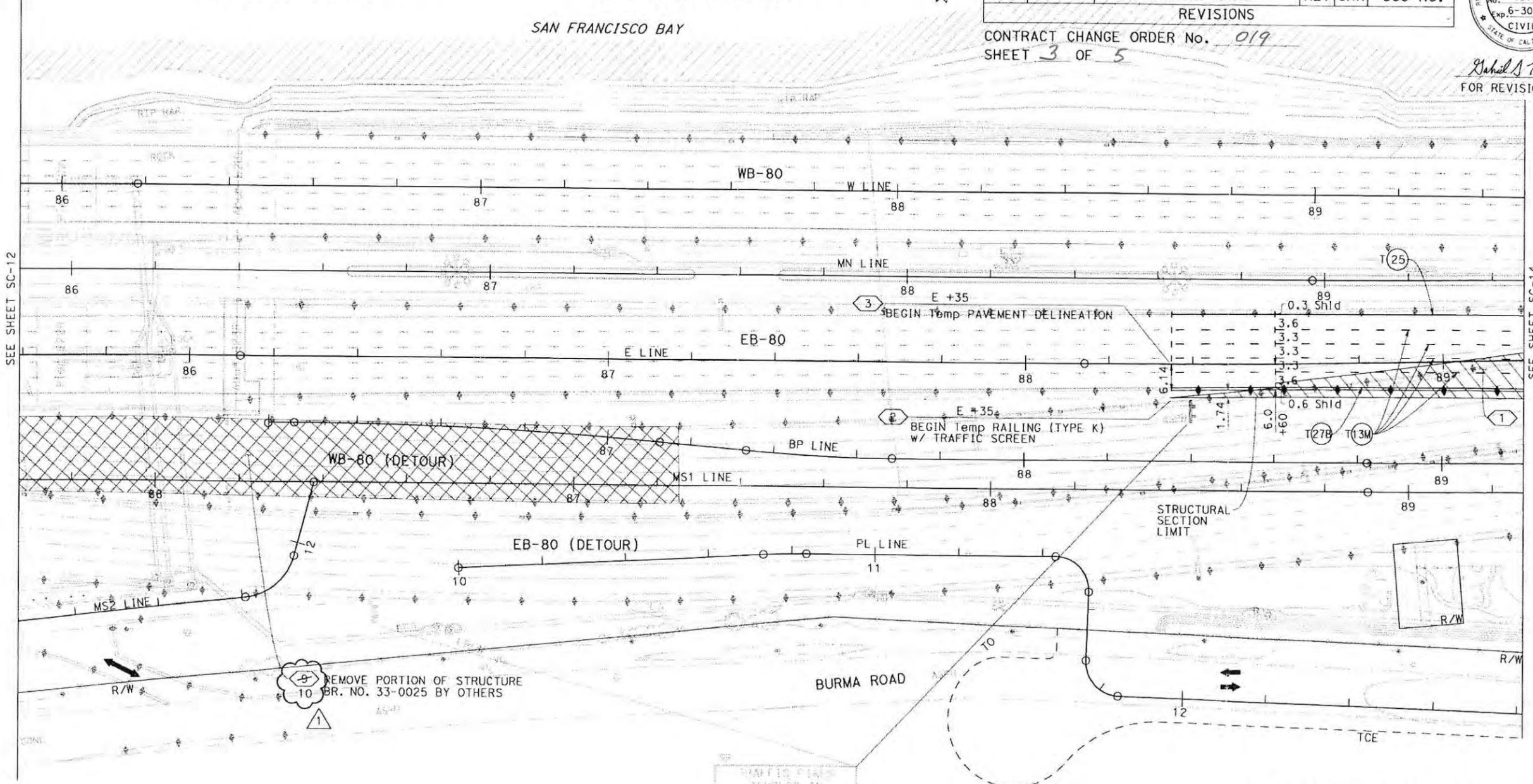
Gabriel Teruz
FOR REVISION ONLY

REVISOR: GABRIEL TERUZ
DATE: RAFAEL RAVELO

DESIGNER: JAIM E. GUTIERREZ
CHECKER:

FUNCTIONAL SUPERVISOR: JAIM E. GUTIERREZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TOLL BRIDGE



STAGE CONSTRUCTION TRAFFIC HANDLING PLAN
STAGE 2
SCALE 1:500

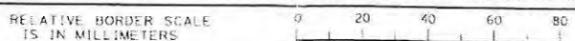
SC-13

FOR NOTES &/OR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

BORDER LAST REVISED 3/1/2007



USERNAME => s120183
DGN FILE => 40120mmcd013.cco

CU 04251

EA 0120M1

DATE PLOTTED => 16-MAY-2012
TIME PLOTTED => 10:57

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



018+	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	120R1	744
REGISTERED CIVIL ENGINEER		DATE			
10-3-11		6-2-11			
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					



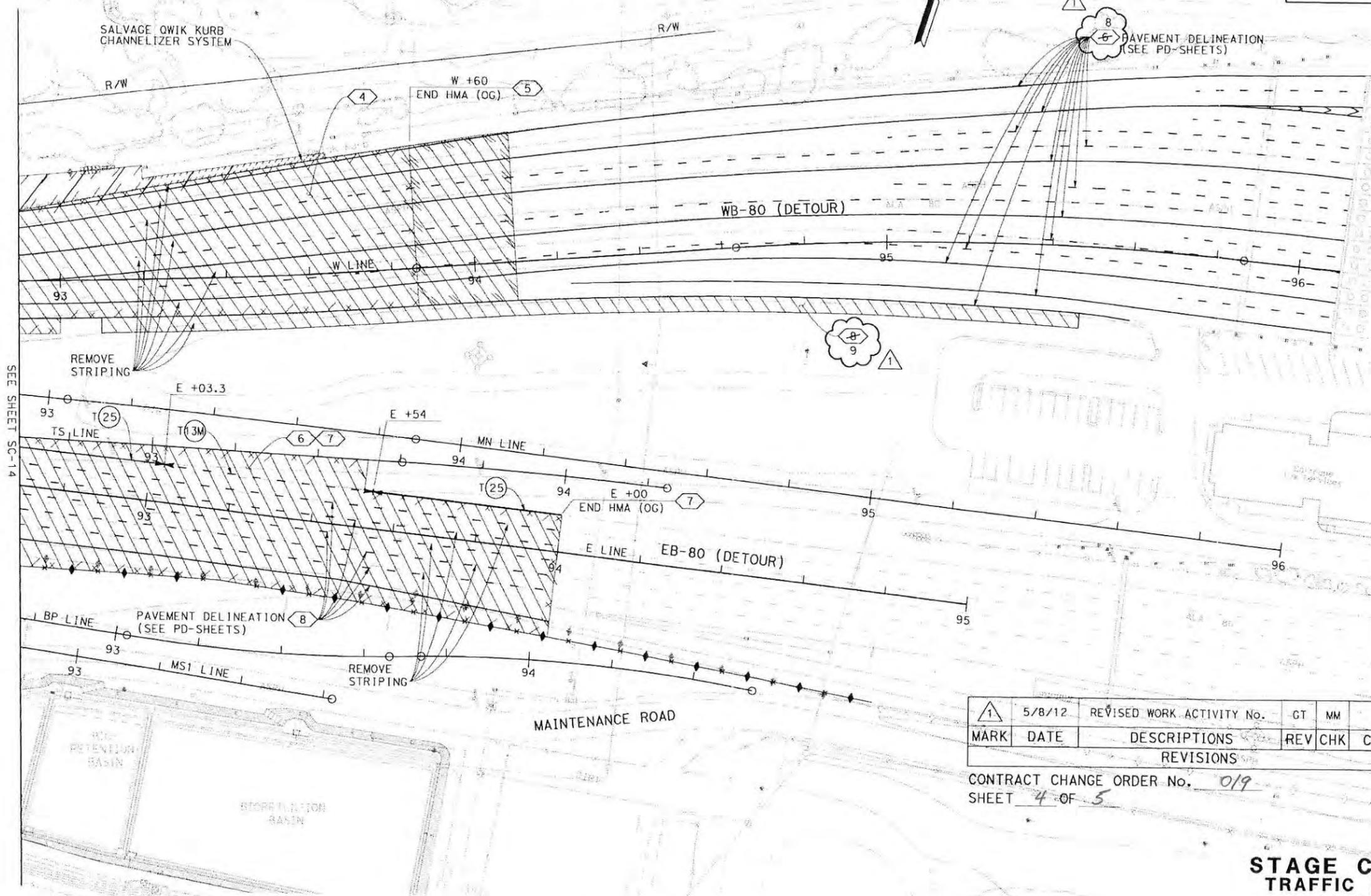
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TOLL BRIDGE

REVISOR
 REVISED BY
 DATE REVISED

GABRIEL CRUZ
 RAFAEL RAVELO

CALCULATED-DESIGNED BY
 CHECKED BY

FUNCTIONAL SUPERVISOR
 JAIME E. GUTIERREZ



MARK	DATE	REVISED WORK ACTIVITY No.	GT	MM	REV	CHK	CCO No.
1	5/8/12						
DESCRIPTIONS							
REVISIONS							

CONTRACT CHANGE ORDER No. 019
 SHEET 4 OF 5



FOR REVISION ONLY

STAGE CONSTRUCTION TRAFFIC HANDLING PLAN
STAGE 2
 SCALE 1:500

SC-15

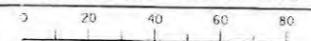
FOR NOTES &/OR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

BORDER LAST REVISED 3/1/2007

RELATIVE BORDER SCALE IS IN MILLIMETERS



USERNAME => s120183
 DGN FILE => 461201mg015.cco

CU 04251

EA 0120M1

LAST REVISION DATE PLOTTED => 18-MAY-2012
 05-15-12 TIME PLOTTED => 10:57

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	80	1.6/2.7	125R1	744
REGISTERED CIVIL ENGINEER		DATE			
GABRIEL TRUJILLO		6-2-11			
PLANS APPROVAL DATE		10-3-11			
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TOLL BRIDGE
 FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
 CALCULATED/DESIGNED BY: GABRIEL TRUJILLO
 CHECKED BY: RAFAEL RAVELO
 REVISIONS: REVISOR: DATE
 REVISOR: DATE



MARK	DATE	REVISIONS	REV	CHK	CCO No.
△	5/8/12	REVISED WORK ACTIVITY No.	GT	MM	

CONTRACT CHANGE ORDER No. 019
 SHEET 5 OF 5



FOR REVISION ONLY
 GABRIEL TRUJILLO

STAGE CONSTRUCTION TRAFFIC HANDLING PLAN
STAGE 3
 SCALE 1:500

SC-20

FOR NOTES &/OR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN



USERNAME => s120183
 DGN FILE => 40120\m020.cco

CU 04251

EA 0120M1

BORDER LAST REVISED 3/1/2007

LAST REVISION DATE PLOTTED => 16-VAY-2012
 05-15-12 TIME PLOTTED => 10:57

CONTRACT CHANGE ORDER MEMORANDUM

DATE: 6/14/2012 Page 1 of 1

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS			FILE: E.A. 04 - 0120M4
FROM: JEANNIE BALDERRAMOS			CO-RTE-PM 04-ALA-80-1.6/2.7
			FED. NO. NO FED AID
CCO# 19	SUPPLEMENT#: 0	Category Code: CJPX	CONTINGENCY BALANCE (incl. this change) \$3,598,299.45
COST: \$0.00		INCREASE <input type="checkbox"/> DECREASE <input type="checkbox"/>	HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
SUPPLEMENTAL FUNDS PROVIDED: \$0.00		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CCO DESCRIPTION: Staging Drawings Corrections			PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)	Percentage Time Adjusted: (including this change) 0 %
			Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

Correction to minor Errata on various stage construction plan sheets.

The Oakland Touchdown 2 (OTD2) completes the Oakland Mainland connector of the east span of the San Francisco Oakland Bay Bridge (SFOBB). The project is about 3,200 meters in length with a new East Bound structure comprised of concrete box girder bridges each approximately 26 meters wide, 40 meters high and 140 meters in length. Also included is 2,260 meters of striping and overlay on existing structures and 1,000 meters of striping and paving of roadway.

The Office of Toll Bridge Design requested that a change order be issued to incorporate the following revised contract plan sheets into the contract:

- SC-12 - STAGE CONSTRUCTION TRAFFIC HANDLING PLAN STAGE 2 (117r1)
- SC-13 - STAGE CONSTRUCTION TRAFFIC HANDLING PLAN STAGE 2 (118r1)
- SC-15 - STAGE CONSTRUCTION TRAFFIC HANDLING PLAN STAGE 2 (120r1)
- SC-20 - STAGE CONSTRUCTION TRAFFIC HANDLING PLAN STAGE 3 (125r1)

These revisions correct the work activity numbering

The contractor agrees that there is no cost or time added as a result of these changes.

Maintenance concurrence is not required as change does not involve a permanent roadway feature.

CONCURRED BY:			ESTIMATE OF COST		
Construction Engineer:	JEANNIE BALDERRAMOS <i>JB</i>	Date <i>11/10/12</i>	THIS REQUEST	TOTAL TO DATE	
Bridge Engineer:	GARY J LAI <i>GL</i>	Date <i>11-19-12</i>	ITEMS	\$0.00	\$0.00
Project Engineer:	GABRIEL TCRUZ	Date <i>01/3/13</i>	FORCE ACCOUNT	\$0.00	\$0.00
Project Manager:	KEN TERPSTRA <i>KT</i>	Date <i>1-3/13</i>	AGREED PRICE	\$0.00	\$0.00
FHWA Rep.:		Date	ADJUSTMENT	\$0.00	\$0.00
Environmental:		Date	TOTAL	\$0.00	\$0.00
Other (specify):	JAIME GUTIERREZ Sr. Dgn Engr	Date <i>12-13-12</i>	FEDERAL PARTICIPATION		
Other (specify):		Date	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING		
District Prior Approval By:		Date	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)		
HQ (Issue Approve) By:		Date	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS		
Resident Engineer's Signature:	<i>JBalderramos</i>	Date <i>11/10/12</i>	FEDERAL FUNDING SOURCE	PERCENT	

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO: 21	Suppl. No. 0	Contract No. 04- 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: FLATRION WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Extra Work at Unit Price:

The Contractor is to provide the design and design support services for a temporary trestle, which provides access through the jobsite during construction of the eastbound structure as directed by the Engineer. This work includes services of a California Registered Engineer for design of temporary trestle and support during demolition.

1. Unit price payment at completion of temporary trestle = \$8,000.00.
2. Unit price payment after demolition of trestle and restoration of riprap = \$2,000.00

Cost of Extra Work at Agreed Unit Price\$10,000.00

Est: 02-28-2013

Estimated Cost: Increase Decrease \$10,000.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by

Signature <i>J Balderramos</i>	Resident Engineer JEANNIE BALDERRAMOS	Date <i>3-5-13</i>
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Approval Recommended by

Signature <i>J Balderramos</i>	Construction Engineer JEANNIE BALDERRAMOS	Date <i>3-5-13</i>
--------------------------------	--	-----------------------

Engineer Approval by

Signature <i>J Balderramos</i>	Construction Engineer JEANNIE BALDERRAMOS	Date <i>4-30-13</i>
--------------------------------	--	------------------------

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

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by

Signature <i>[Signature]</i>	(Print name and title) <i>F. D. [Name] CP.</i>	Date <i>3/15/13.</i>
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GKA

CONTRACT CHANGE ORDER MEMORANDUM

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS <i>DV</i>		FILE: E.A. 04 - 0120M4
FROM: JEANNIE BALDERRAMOS		CO-RTE-PM 04-ALA-80-1.6/2.7
CCO#: 21 SUPPLEMENT#: 0 Category Code: CHTC		FED. NO. NO FED AID
COST: \$10,000.00 INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>		CONTINGENCY BALANCE (incl. this change) \$57,863.73
SUPPLEMENTAL FUNDS PROVIDED: \$0.00		HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
CCO DESCRIPTION: Temp. Trestle Design		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
		PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)
		Percentage Time Adjusted: (including this change) 0 %
		Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

Design services for temporary trestle.

The Oakland Touchdown Project Phase II (OTD2) provides for the construction of the last remaining concrete box girder frame of the Oakland Touchdown structure and the construction of the remaining eastern roadway approach as part of the new east span of the San Francisco Oakland Bay Bridge (SFOBB).

The falsework for the last segment of Eastbound portion of OTD interferes with access from Burma Road. In order to maintain traffic, an alternate route through work area is required. This requires a temporary trestle to reroute traffic north and west of falsework under existing portion of Eastbound OTD structure.

This change provides for services of a California Registered engineer to design the temporary trestle and support services during demolition of the temporary trestle.

This work is not part of the original contract; therefore, compensation for this work shall be paid as extra work at unit price of \$10,000.00, which shall be financed from the Contract's contingency fund. A cost analysis and a C93 is on file.

No adjustment of the contract time is warranted, as this change does not affect the controlling operation.

Maintenance concurrence is not required as change does not involve a permanent roadway feature.

CONCURRED BY:		ESTIMATE OF COST	
Construction Engineer: JEANNIE BALDERRAMOS <i>JB</i> Date: <i>5/13/13</i>		THIS REQUEST	TOTAL TO DATE
Bridge Engineer: GARY J LAI <i>Gary</i> Date: <i>5/13/13</i>		ITEMS	\$0.00
Project Engineer: GABRIEL TCRUZ Date: <i>4/19/13</i>		FORCE ACCOUNT	\$0.00
Project Manager: KEN TERPSTRA Date: <i>3/13/13</i>		AGREED PRICE	\$10,000.00
FHWA Rep.: Date:		ADJUSTMENT	\$0.00
Environmental: Date:		TOTAL	\$10,000.00
Other (specify): JAIME GUTIERREZ SR DGN ENG Date: <i>4/19/13</i>		FEDERAL PARTICIPATION	
Other (specify): Date:		<input type="checkbox"/> PARTICIPATING	<input type="checkbox"/> PARTICIPATING IN PART
District Prior Approval By: Date:		<input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE)	<input checked="" type="checkbox"/> NONE
HQ (Issue Approve) By: Date:		FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
Resident Engineer's Signature: <i>J Balderramos</i> Date: <i>5-13-13</i>		<input type="checkbox"/> CCO FUNDED PER CONTRACT	<input type="checkbox"/> CCO FUNDED AS FOLLOWS
		FEDERAL FUNDING SOURCE	PERCENT

CONTRACT CHANGE ORDER MEMORANDUM

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS		FILE: E.A. 04 - 0120M4		
FROM: JEANNIE BALDERRAMOS		CO-RTE-PM 04-ALA-80-1.6/2.7		
		FED. NO. NO FED AID		
CCO#: 23	SUPPLEMENT#: 0	Category Code: CKTK	CONTINGENCY BALANCE (incl. this change) \$4,253,397.59	
COST: \$193,849.14	INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>		HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
SUPPLEMENTAL FUNDS PROVIDED: \$0.00		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
CCO DESCRIPTION: W-B Temporary Merge Lane		PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM		
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)	Percentage Time Adjusted: (including this change) 0 %	Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

Construct an access merge lane from Westbound I-80.

The Oakland Touchdown 2 (OTD2) completes the Oakland Mainland connector of the east span of the San Francisco Oakland Bay Bridge (SFOBB). The project is about 3,200 meters in length with a new eastbound structure comprised of concrete box girder bridge, approximately 26 meters wide, 40 meters high and 140 meters in length. Also included is 2,260 meters of striping and overlay on existing structures and 1,000 meters of striping and paving of roadway.

The construction of the eastbound OTD Structure will constrain access to SFOBB work areas. In order to maintain access to these facilities, as well as access to the East end of the Bay Bridge Skyway. The Contractor will construct acceleration and de-acceleration lanes, construct access opening accessible for vehicles and equipment, and install ramp improvement measures, including lighting, AC pavement and grading the surrounding area as determined necessary by the Engineer.

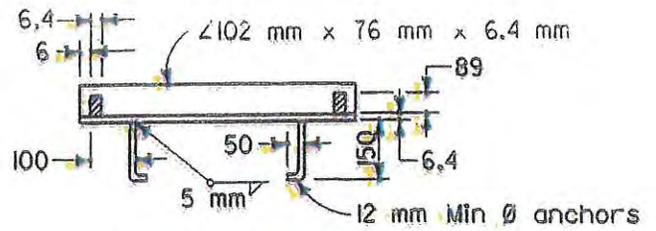
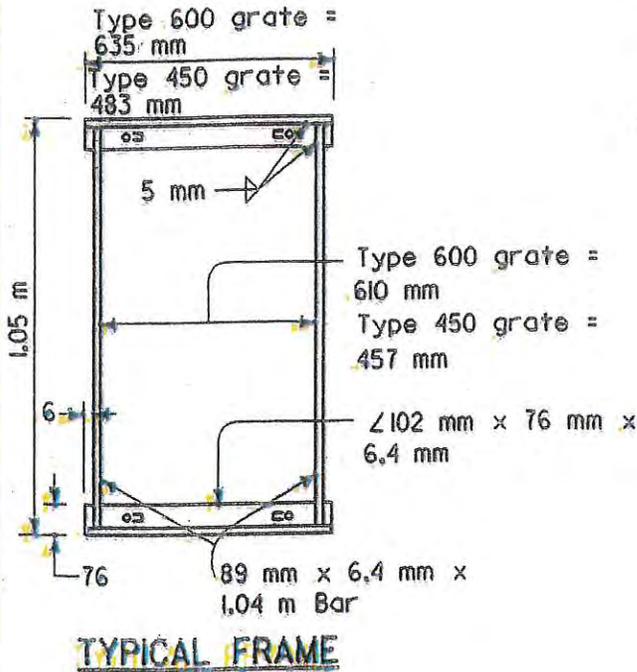
This work will be paid as a combination of increase in item at contract item price, extra work at agreed lump sum, and extra work at force account. The increase in contract item at contract price is estimated to be 37,819.00. The work performed as extra work at agreed lump sum is \$116,030.14, which shall be financed from the contract's contingency fund. The work performed as extra work at force account for an estimated cost of \$40,000.00, which shall be financed from the contract's contingency fund. A cost analysis is on file.

The Authority to Proceed was requested by the resident engineer and structure representative and approved by Bob Molera on July 20, 2012.

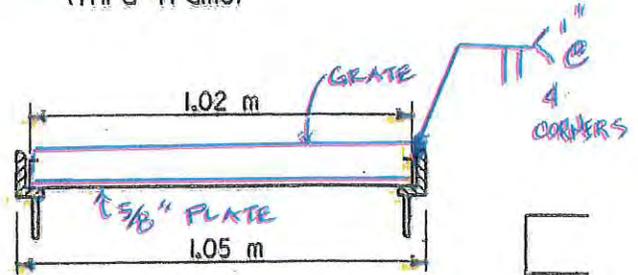
No adjustment of contract time is warranted as this change does not affect the controlling operation.

Maintenance concurrence is not required since this does not effect any permanent roadway features.

155



CROSS SECTION
(Thru frame)



LONGITUDINAL SECTION
(Thru frame and grate)

RECTANGULAR FRAME DETAILS

(For all rectangular grates)

GRATE BAR SPACING TABLE

TYPE	NO. OF BARS	CLEAR BAR SPACING (mm)	X (mm)
450-9	9	35	27
600-9	9	51	40
600-12	12	35	32

INLET TYPE	COVER TYPE	MASS (kg)
OS	PLATE	79
OL-2.1	PLATE	77
OL-3.0	PLATE	77
OL-4.3	PLATE	77
OL-6.4	PLATE	77
OCPI	PLATE	51
OCPI	PLATE	51
OCPI	REDWOOD	19
OMP	PLATE	80
OMPI	PLATE	80

BASIS FOR MISC IRON & STEEL FINAL PAY MASSES F

CONTRACT NO. 04-0120M4

CONTRACT CHANGE ORDER NO 23

SHEET 8 OF 13

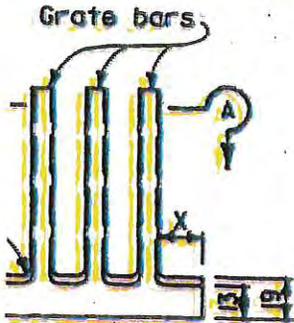


WELD BET. GRATE
AND FRAME
ADDED 5/8" PLATE UNDERNEATH
THE GRATING
04-0120M4

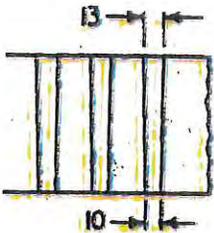
CONTRACT NO. 04-0120M4

CONTRACT CHANGE ORDER NO 23

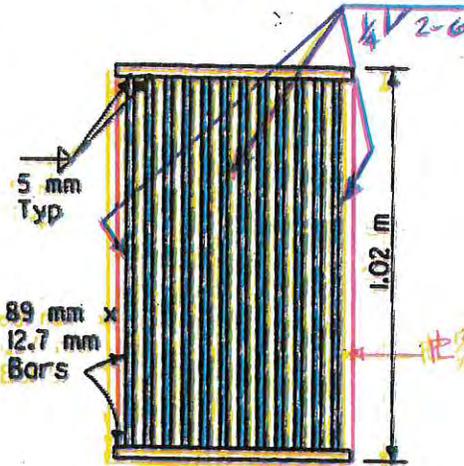
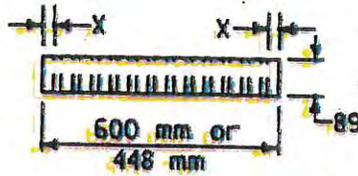
SHEET 9 OF 13



DETAIL C



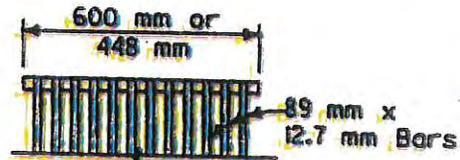
SECTION A-A



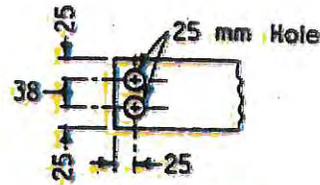
ALTERNATIVE WELDED GRATE



DIST	COUNTY
 REGISTERED CIVIL ENGINEER	
July 1, 2013 PLANS APPROVAL	
The State of California reports shall not be a part of the contract or completeness of the contract.	
To get to the C...	

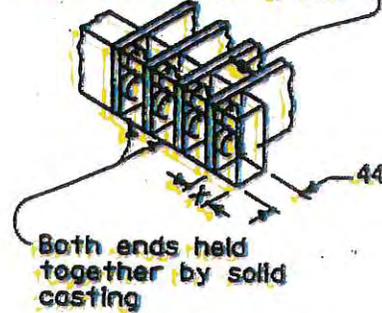


CAST END BLOCK



END OF BAR

Spacing same as for welded or bolted grate



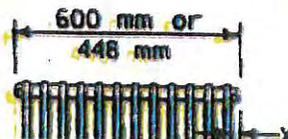
ALTERNATIVE CAST NODULAR IRON OR CAST STEEL END BLOCK GRATE

- NOTES**
1. Grate type width of g... of bars, re...
 2. Contractor cast nodu... bolted, or c...
 3. See Special pertaining dipping of...
 4. Rounded to...
 5. Pipe inlets so that be surface fi...
 6. Full penetra substituted anchors.
 7. Standard s equivalent substituted on the ane...
 8. Grate and on welded c angles, step are not inc...



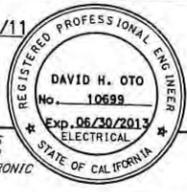
04-0120M4

TYPE	NO. OF GRATES	MASS (kg)
2	2	288



16 mm or 19 mm Holes



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Alameda	80	1.6/2.7	192 R1	744
			05/02/11 REGISTERED ELECTRICAL ENGINEER		
10-3-11 PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.</small>					
PB AMERICAS, Inc. 303 Second St., Suite 700N San Francisco, CA 94107-137					

CONTRACT NO. 04-0120M4
 CONTRACT CHANGE ORDER NO. 23
 SHEET 11 OF 13

DRAWING TITLE		DRAWING NO.	DRAWING TITLE	DRAWING NO.	DRAWING TITLE	DRAWING NO.
UNDERGROUND AND ROADWAY AT GRADE (LIGHTING AND ELECTRICAL SYSTEMS) CONDUIT PLAN-UTILITY TUNNEL AND ADMINISTRATION BLDG STAGE 1	E-85	DETAILS UNDERGROUND AND ROADWAY AT GRADE (TYPICAL DUCT BANK SECTIONS)	E-120	DETAILS UNDERGROUND AND ROADWAY AT GRADE (BIKEWAY WIRING DIAGRAM)	E-146	
UNDERGROUND AND ROADWAY AT GRADE (LIGHTING AND ELECTRICAL SYSTEMS) WESTBOUND AND EASTBOUND ROADWAY STAGE 2	E-86 TO E-88	DETAILS UNDERGROUND AND ROADWAY AT GRADE (CONDUIT DUCT BANK SECTIONS)	E-121 TO E-123	DETAILS UNDERGROUND AND ROADWAY AT GRADE (HIGH MAST LIGHTING AND SIGN LIGHTING WIRING DIAGRAMS)	E-147	
UNDERGROUND AND ROADWAY AT GRADE (LIGHTING AND ELECTRICAL SYSTEMS) EASTBOUND ROADWAY STAGE 2	E-89 TO E-93	DETAILS UNDERGROUND AND ROADWAY AT GRADE (MANHOLE PLANS AND SECTIONS)	E-124 TO E-129	DETAILS UNDERGROUND AND ROADWAY AT GRADE (TOS DEVICE WIRING DIAGRAMS)	E-148	
UNDERGROUND AND ROADWAY AT GRADE (LIGHTING AND ELECTRICAL SYSTEMS) WESTBOUND AND EASTBOUND ROADWAY STAGE 3	E-94 TO E-96	DETAILS UNDERGROUND AND ROADWAY AT GRADE (PULL BOX SCHEDULE)	E-130	DETAILS UNDERGROUND AND ROADWAY AT GRADE (HIGH MAST LIGHTING POLE LOCATION)	E-149, E-150	
UNDERGROUND AND ROADWAY AT GRADE (LIGHTING AND ELECTRICAL SYSTEMS) EASTBOUND ROADWAY STAGE 3	E-97 TO E-103	DETAILS UNDERGROUND AND ROADWAY AT GRADE (GROUNDING SYSTEM INTERFACE)	E-131	DETAILS UNDERGROUND AND ROADWAY AT GRADE (HIGH MAST LIGHTING POLE DETAILS)	E-151	
DETAILS UNDERGROUND AND ROADWAY AT GRADE (MOLE SUBSTATION-EQUIPMENT ARRANGEMENT)	E-104	DETAILS UNDERGROUND AND ROADWAY AT GRADE (BIKE PATH LANDING LIGHTING ASSEMBLY)	E-132	DETAILS UNDERGROUND AND ROADWAY AT GRADE (UNDERGROUND CONDUITS)	E-152	
DETAILS UNDERGROUND AND ROADWAY AT GRADE (MOLE SUBSTATION-CONDUIT AND CABLE TRAY)	E-105	DETAILS UNDERGROUND AND ROADWAY AT GRADE (MOLE SUBSTATION) 12.47 KV TO 480 V SINGLE LINE DIAGRAM	E-133	DETAILS UNDERGROUND AND ROADWAY AT GRADE (MANHOLE AND DUCT BANK PLANS)	E-153 TO E-159A, E-160	
DETAILS UNDERGROUND AND ROADWAY AT GRADE (MOLE SUBSTATION-UNDERGROUND CONDUITS)	E-106	DETAILS UNDERGROUND AND ROADWAY AT GRADE (MOLE SUBSTATION) 480 V LVCC-A SINGLE LINE DIAGRAM	E-134	DETAILS UNDERGROUND AND ROADWAY AT GRADE (MANHOLE AND DUCT BANK PLANS)	E-161	
DETAILS UNDERGROUND AND ROADWAY AT GRADE (MANHOLE AND DUCT BANK PLANS)	E-107	DETAILS UNDERGROUND AND ROADWAY AT GRADE (MOLE SUBSTATION) 480 V LVCC-A ELEVATION AND SCHEDULE	E-135	DETAILS UNDERGROUND AND ROADWAY AT GRADE (SERVICE PAD #24 PLANS)	E-162	
DETAILS UNDERGROUND AND ROADWAY AT GRADE (MANHOLE AND DUCT BANK PLANS)	E-108	DETAILS UNDERGROUND AND ROADWAY AT GRADE (MOLE SUBSTATION) 480 V LVCC-B SINGLE LINE DIAGRAM	E-136	DETAILS UNDERGROUND AND ROADWAY AT GRADE (SERVICE PAD #24 SECTIONS)	E-163, E-164	
DETAILS UNDERGROUND AND ROADWAY AT GRADE (SERVICE PAD #24 PLANS)	E-109	DETAILS UNDERGROUND AND ROADWAY AT GRADE (MOLE SUBSTATION) 480 V LVCC-B ELEVATION AND SCHEDULE	E-137	DETAILS UNDERGROUND AND ROADWAY AT GRADE (SERVICE PAD #25 PLANS)	E-165	
DETAILS UNDERGROUND AND ROADWAY AT GRADE (SERVICE PAD #24 SECTIONS)	E-110	DETAILS UNDERGROUND AND ROADWAY AT GRADE (MOLE SUBSTATION) LVCC-B RELAY CABINET ELEMENTARY DIAGRAM	E-138	DETAILS UNDERGROUND AND ROADWAY AT GRADE (SERVICE PAD #25 PLANS)	E-166	
DETAILS UNDERGROUND AND ROADWAY AT GRADE (SERVICE PAD #25 PLANS)	E-111	DETAILS UNDERGROUND AND ROADWAY AT GRADE (MOLE SUBSTATION) LVCC-B CONNECTION DIAGRAM	E-139	DETAILS UNDERGROUND AND ROADWAY AT GRADE (SERVICE PAD #26 PLANS)	E-167	
DETAILS UNDERGROUND AND ROADWAY AT GRADE (SERVICE PAD #25 SECTIONS)	E-112	DETAILS UNDERGROUND AND ROADWAY AT GRADE (MOLE SUBSTATION) LVCC-B CONNECTION DIAGRAM	E-140	DETAILS UNDERGROUND AND ROADWAY AT GRADE (BARRIER PULL BOX AND CALL BOX CONDUIT LOCATIONS)	E-168	
DETAILS UNDERGROUND AND ROADWAY AT GRADE (SERVICE PAD #26 PLANS)	E-113	DETAILS UNDERGROUND AND ROADWAY AT GRADE (MOLE SUBSTATION) LVCC-B RELAY CABINET ARRANGEMENT AND CONNECTION DIAGRAM	E-141	DETAILS UNDERGROUND AND ROADWAY AT GRADE (BIKE PATH RAMP CONDUIT PLAN)	E-169	
DETAILS UNDERGROUND AND ROADWAY AT GRADE (BARRIER PULL BOX AND CALL BOX CONDUIT LOCATIONS)	E-114, E-115	DETAILS UNDERGROUND AND ROADWAY AT GRADE (MOLE SUBSTATION) UP-004 AND LP-A PANEL SCHEDULES	E-142	DETAILS UNDERGROUND AND ROADWAY AT GRADE (BIKE PATH LANDING CONDUIT PLAN)		
DETAILS UNDERGROUND AND ROADWAY AT GRADE (BIKE PATH RAMP CONDUIT PLAN)	E-116	DETAILS UNDERGROUND AND ROADWAY AT GRADE (MOLE SUBSTATION) UP-173 AND UP-274 PANEL SCHEDULES	E-143	DETAILS UNDERGROUND AND ROADWAY AT GRADE (TYPICAL MANHOLE AND DUCT BANK)		
DETAILS UNDERGROUND AND ROADWAY AT GRADE (BIKE PATH LANDING CONDUIT PLAN)	E-117	DETAILS UNDERGROUND AND ROADWAY AT GRADE (UP-275 PANEL SCHEDULE)	E-144			
DETAILS UNDERGROUND AND ROADWAY AT GRADE (BIKEWAY CONDUIT PLAN)	E-118	DETAILS UNDERGROUND AND ROADWAY AT GRADE (LP-283 PANEL SCHEDULE)	E-145			
DETAILS UNDERGROUND AND ROADWAY AT GRADE (TYPICAL MANHOLE AND DUCT BANK)	E-119	DETAILS UNDERGROUND AND ROADWAY AT GRADE (BIKE PATH RAMP AND BIKE LANDING WIRING DIAGRAMS)				



7/13/20	WB Access Temp Lighting	JH	EJL
MARK	DATE	BY	CH'D
REVISIONS			

CONTRACT CHANGE ORDER NO. _____
 SHEET _____ OF _____

ELECTRICAL SHEET INDEX

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

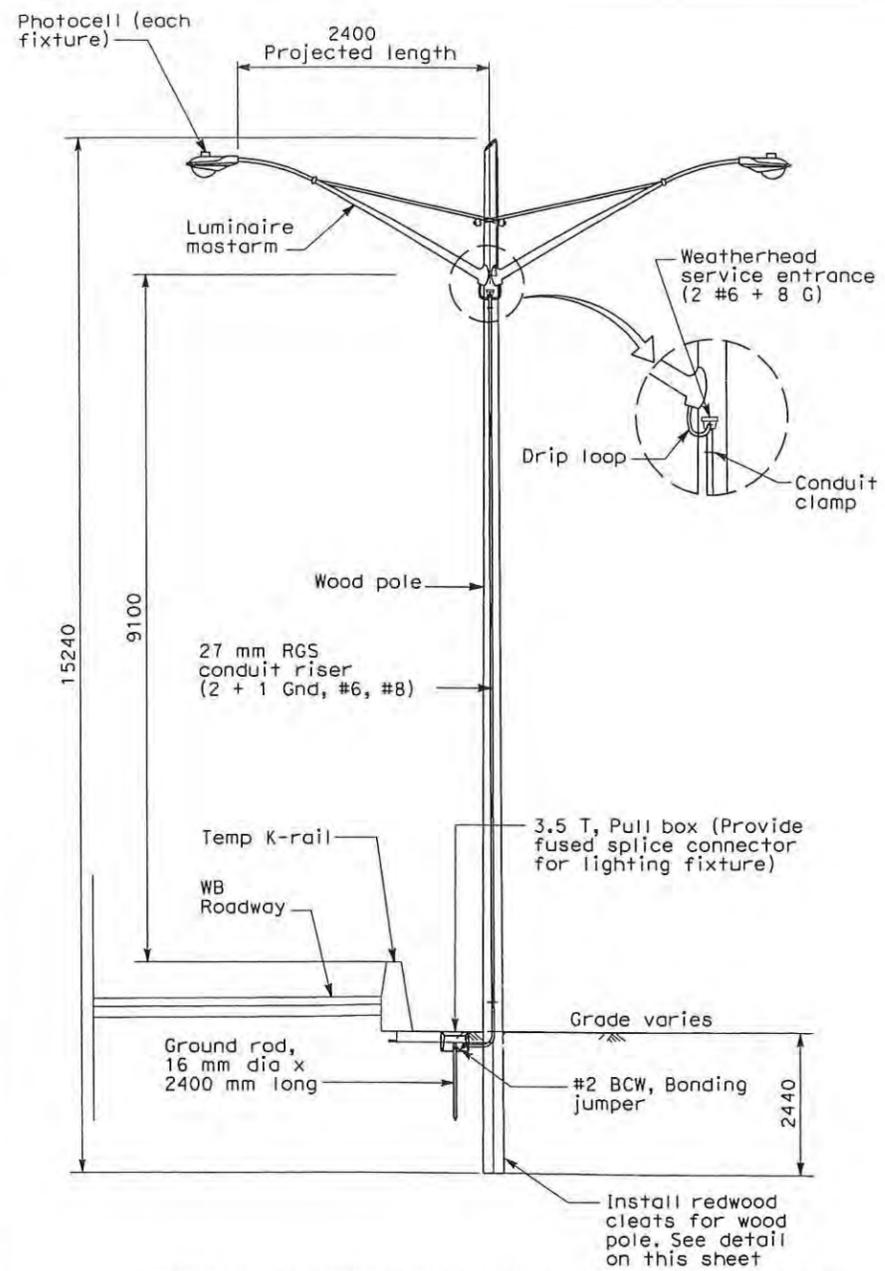
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 CONSULTANT FUNCTIONAL SUPERVISOR
 BRADY NADELL
 CALCULATED-DESIGNED BY
 JEFFRI HALIM
 CHECKED BY
 ELLERY LUCAS
 REVISOR BY
 DATE REVISOR
 DATE



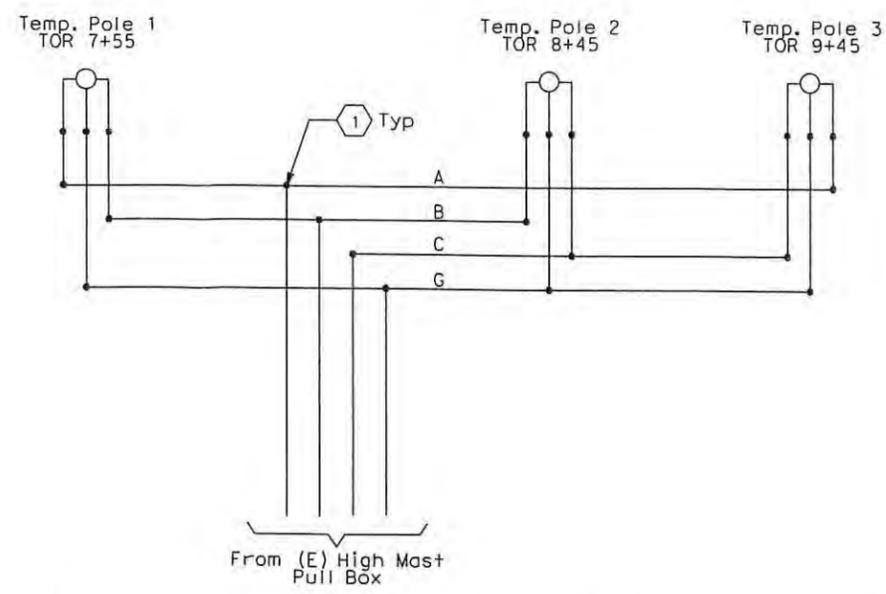
Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6 / 2.7	261A	744

6/14/12
 REGISTERED ELECTRICAL ENGINEER
 JEFFRI K. HALIM
 E19526
 Exp. 06/30/2013
 REGISTERED PROFESSIONAL ENGINEER
 ELECTRICAL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.
 PB AMERICAS, Inc.
 303 Second St., Suite 700N
 San Francisco, CA 94107-137



TYPICAL LIGHTING FIXTURE MOUNTING ON WOOD POLE
DETAIL



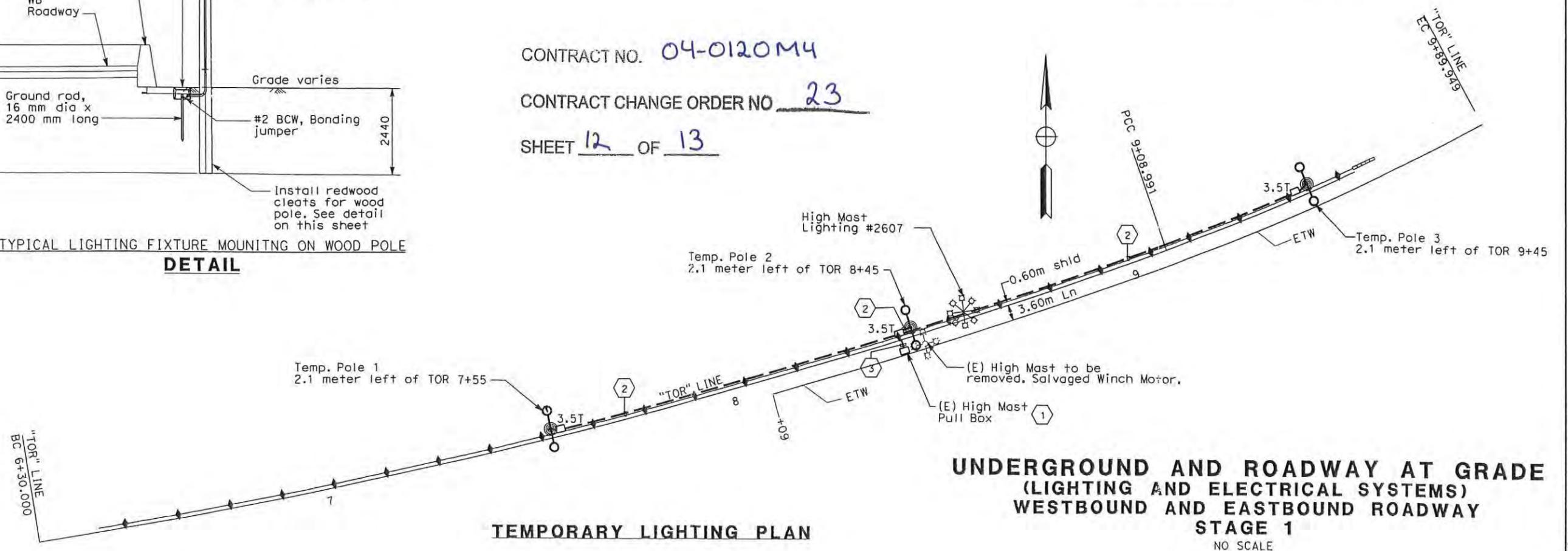
TEMPORARY LIGHTING WIRING DIAGRAM

- SHEET NOTES:**
- 1 The Contractor to splice new conductors (E) to High Mast circuit.
 - 2 27C, 2#6 + #8G
 - 3 27C, 3#6 + #8G

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
△	7/13/20	WB Access Temp Lighting	JH	EJL	
REVISIONS					

CONTRACT CHANGE ORDER NO. _____
 SHEET _____ OF _____

CONTRACT NO. 04-0120M4
 CONTRACT CHANGE ORDER NO. 23
 SHEET 12 OF 13



TEMPORARY LIGHTING PLAN

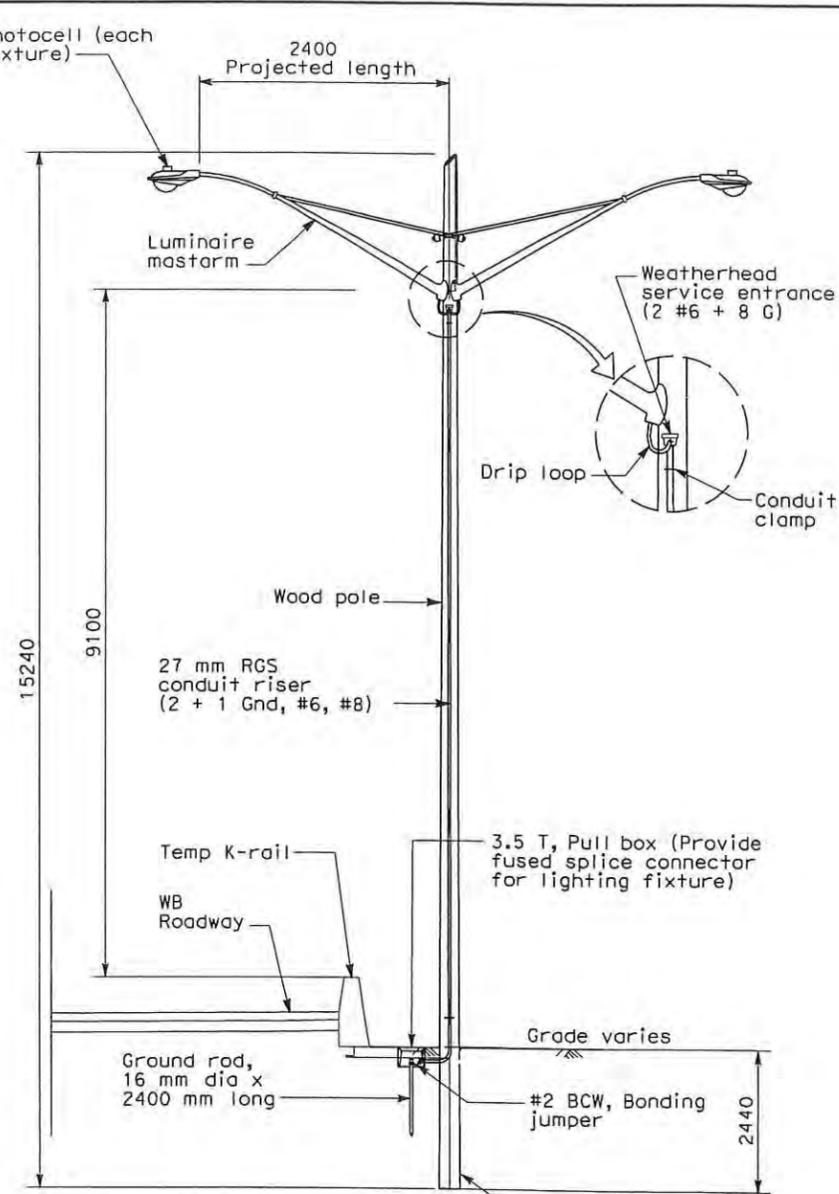
**UNDERGROUND AND ROADWAY AT GRADE
 (LIGHTING AND ELECTRICAL SYSTEMS)
 WESTBOUND AND EASTBOUND ROADWAY
 STAGE 1
 NO SCALE**

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

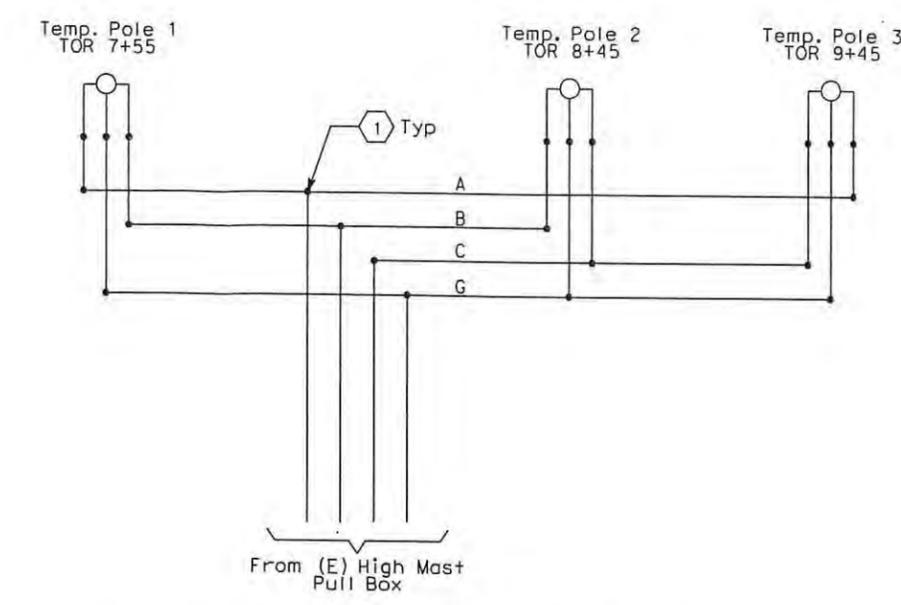
LAST REVISION DATE PLOTTED => 7/23/2012
 06-15-11 TIME PLOTTED => 1:26:52 PM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

REVISOR	DATE	REVISION
JEFFRI HALIM		
ELLERY LUCAS		
BRADY NADELL		
CHECKED BY		
DESIGNED BY		

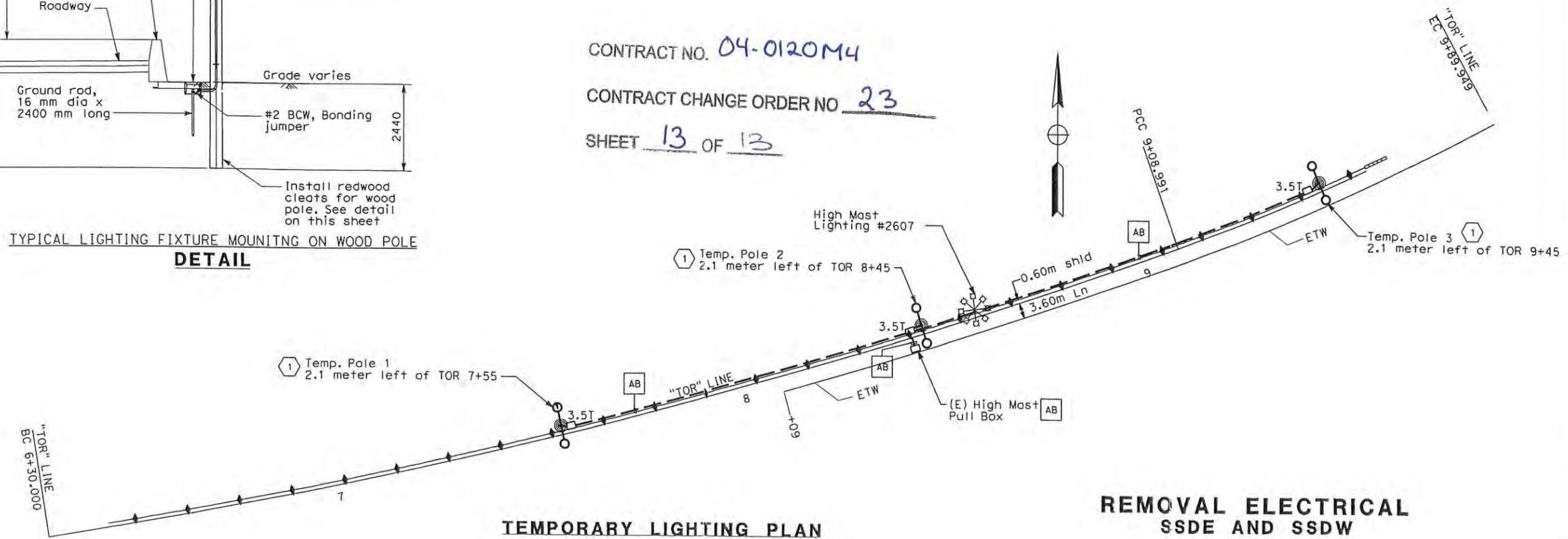


TYPICAL LIGHTING FIXTURE MOUNTING ON WOOD POLE
DETAIL



TEMPORARY LIGHTING WIRING DIAGRAM

CONTRACT NO. 04-0120M4
 CONTRACT CHANGE ORDER NO. 23
 SHEET 13 OF 13



TEMPORARY LIGHTING PLAN

**REMOVAL ELECTRICAL
 SSDE AND SSDW**
 NO SCALE



Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6 / 2.7	349A	744
REGISTERED ELECTRICAL ENGINEER 6/14/12 PLANS APPROVAL DATE			REGISTERED PROFESSIONAL ENGINEER JEFFRI K. HALIM E 19526 Exp. 06/30/2013 ELECTRICAL STATE OF CALIFORNIA		
PB AMERICAS, Inc. 303 Second St., Suite 700N San Francisco, CA 94107-1317					

SHEET NOTES:
 ① Removed and salvaged on this Removal Electrical Stage.

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
Δ	7/13/20	WB Access Temp Lighting	JH	EJL	
REVISIONS					

CONTRACT CHANGE ORDER NO. _____
 SHEET _____ OF _____

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

CONTRACT CHANGE ORDER MEMORANDUM

CONCURRED BY:		ESTIMATE OF COST									
Construction Engineer: JEANNIE BALDERRAMOS	Date <i>3/25/13</i>	THIS REQUEST	TOTAL TO DATE								
Bridge Engineer:	Date	ITEMS	\$37,819.00								
Project Engineer: GABRIEL TCRUZ	Date <i>3/8/13</i>	FORCE ACCOUNT	\$40,000.00								
Project Manager: KEN TERPSTRA	Date <i>3/24/13</i>	AGREED PRICE	\$116,030.14								
FHWA Rep.:	Date	ADJUSTMENT	\$0.00								
Environmental:	Date	TOTAL	\$193,849.14								
Other (specify): JAIME GUTIERREZ Sr. Dgn Engr	Date <i>3/8/13</i>	FEDERAL PARTICIPATION									
Other (specify):	Date	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING									
District Prior Approval By: BOB MOLERA	Date <i>2/20/12</i>	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)									
HQ (Issue Approve) By:	Date	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS									
Resident Engineer's Signature:	Date	<table border="0"> <tr> <td>FEDERAL FUNDING SOURCE</td> <td>PERCENT</td> </tr> <tr> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> </tr> </table>		FEDERAL FUNDING SOURCE	PERCENT	_____	_____	_____	_____	_____	_____
FEDERAL FUNDING SOURCE	PERCENT										
_____	_____										
_____	_____										
_____	_____										

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO 23	Suppl. No. 0	Contract No. 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
--------	--------------	--------------------------	------------------------	---------------------------

To: FLATRION WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Estimate of Increase in Contract Item at Contract Price:

Item No. 24: TEMPORARY TRAFFIC STRIPE (PAINT)				
389 M	(+16.21%)	\$4.00 /M		+\$1,556.00 (+16.21%)
Item No. 25: CHANNELIZER (SURFACE MOUNTED)				
80 EA	(1000.00%)	\$110.00 /EA		+\$8,800.00 (1000.00%)
Item No. 28: TEMPORARY RAILING (TYPE K)				
313 M	(+74.52%)	\$30.00 /M		+\$9,390.00 (+74.52%)
Item No. 29: TEMPORARY TRAFFIC SCREEN				
313 M	(+74.52%)	\$15.00 /M		+\$4,695.00 (+74.52%)
Item No. 36: REMOVE THERMOPLASTIC TRAFFIC STRIPE				
272 M	(+13.40%)	\$4.00 /M		+\$1,088.00 (+13.40%)
Item No. 42: REMOVE INLET				
1 EA	(+2.27%)	\$500.00 /EA		+\$500.00 (+2.27%)
Item No. 97: CLASS 2 AGGREGATE BASE				
262 M3	(+3.20%)	\$45.00 /M3		+\$11,790.00 (+3.20%)

Construct the access merge lane from the construction site to Westbound I-80, as shown on contract plan sheets 110A, 110B, 110C, 110D, and 131R1, sheets 3 through 7 of this change order.

Cover the drainage inlets located in the footprint of the access merge lane, as shown on sheets 8 and 9 of this change order, and as directed by the Engineer.

This work will be paid as a combination of increase in item at contract item price and as extra work at agreed lump sum. For the items of work listed above the Contractor will be paid as increase in contract item at contract price.

Estimated total cost for Increase in Contract Item.....\$37,819.00

Extra Work at Force Account:

Install and remove, when no longer required, temporary lighting as determined necessary by the Engineer, and as shown on contract plan sheets 191R1, 192R1, 261A, and 394A, sheets 10 through 13 of this change order.

Estimated cost of Extra Work at Force Account\$40,000.00

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO 23	Suppl. No. 0	Contract No. 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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Extra Work at Lump Sum:

Construct the access merge lane from the construction site to Westbound I-80, as shown on contract plan sheets 110A, 110B, 110C, 110D, and 131R1, sheets 3 through 7 of this change order.

Cover the drainage inlets located in the footprint of the access merge lane, as shown on sheets 8 and 9 of this change order, and as directed by the Engineer.

This work will be paid as a combination of increase in item at contract item price and as extra work at agreed lump sum. For the portion of this work not paid as an increase in contract item at contract price on this change order, the Contractor will be paid the agreed lump sum of \$116,030.14. This sum constitutes full compensation, including markups, for this work.

Extra Work at Agreed Lump Sum\$116,030.14

KA

Estimated Cost: Increase Decrease \$193,849.14

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by

Signature <i>J. A. Balderramos</i>	Resident Engineer JEANNETTE BALDERRAMOS	Date 3-2-2013
------------------------------------	--	------------------

Approval Recommended by

Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 3/2/13
----------------------------------	--	----------------

Engineer Approval by

Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 3/18/13
----------------------------------	--	-----------------

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

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by

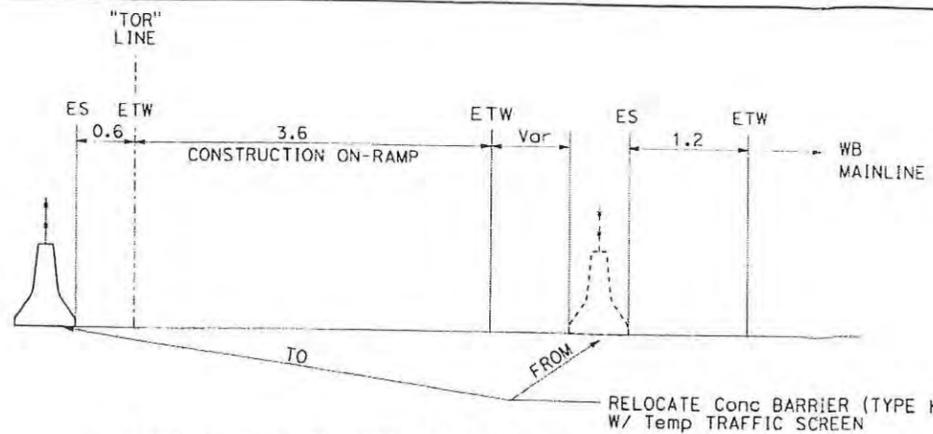
Signature <i>[Signature]</i>	(Print name and title) FRANK DARTON V.P.	Date 3/1/13
------------------------------	---	----------------

GRA

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

NOTES:

- FOR SIGNS AND PAVEMENT DELINEATION DETAILS SEE SC-5C AND SC-5D
- CHANNELIZER FOR CONSTRUCTION ZONE TO BE ORANGE POLE AND WHITE REFLECTOR



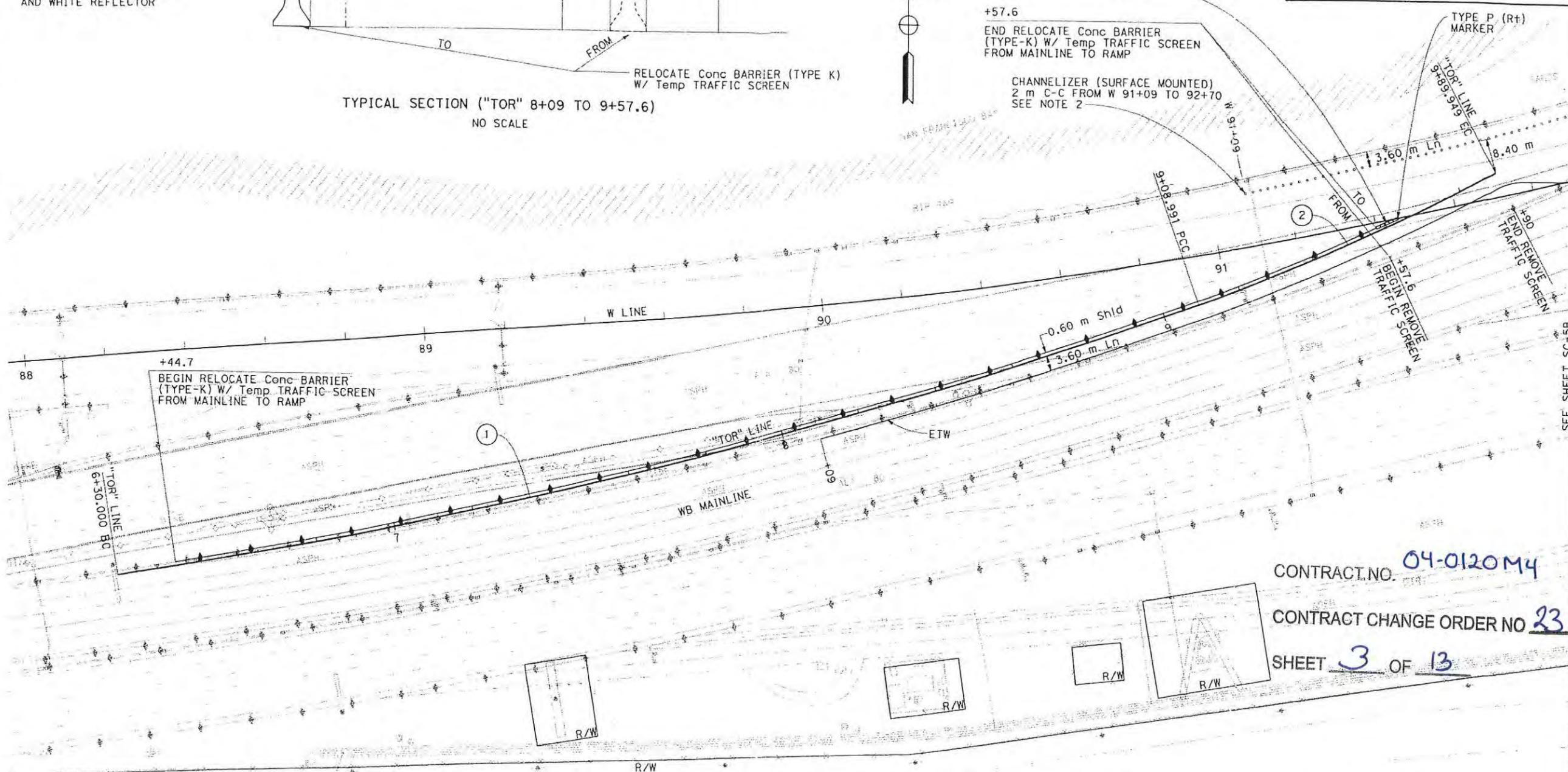
TYPICAL SECTION ("TOR" 8+09 TO 9+57.6)
NO SCALE



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Alc	80	1.6/2.7	110A	744

REGISTERED CIVIL ENGINEER DATE 6-11-12
 REGISTERED CIVIL ENGINEER DATE 6-11-12
 C.C. Ho No. 62495 Exp. 9-30-13 CIVIL
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TOLL BRIDGE
 REVISIONS: REVISOR, DATE, REVISION
 C. C. HO, JAIME E. GUTIERREZ
 FUNCTIONAL SUPERVISOR, JAIME E. GUTIERREZ
 CALCULATED/DESIGNED BY, CHECKED BY



CURVE DATA

No.	R	Δ	T	L	N	E
1	1491.600	10°43'0.08"	139.904	278.991	649741.464	1839047.122
2	515.437	8°59'57.37"	40.562	80.958	648822.728	1839376.997

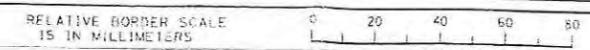
△	06/04/12	NEW SHEET	CH	JG	
MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
REVISIONS					

CONTRACT CHANGE ORDER No. _____
 SHEET _____ OF _____

CONTRACT NO. **04-0120M4**
 CONTRACT CHANGE ORDER NO. **23**
 SHEET **3** OF **13**

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN
STAGE CONSTRUCTION
TEMPORARY CONSTRUCTION ACCESS
STAGE 1 PHASE 1
 SCALE 1:500

SC-5A



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TOLL BRIDGE

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

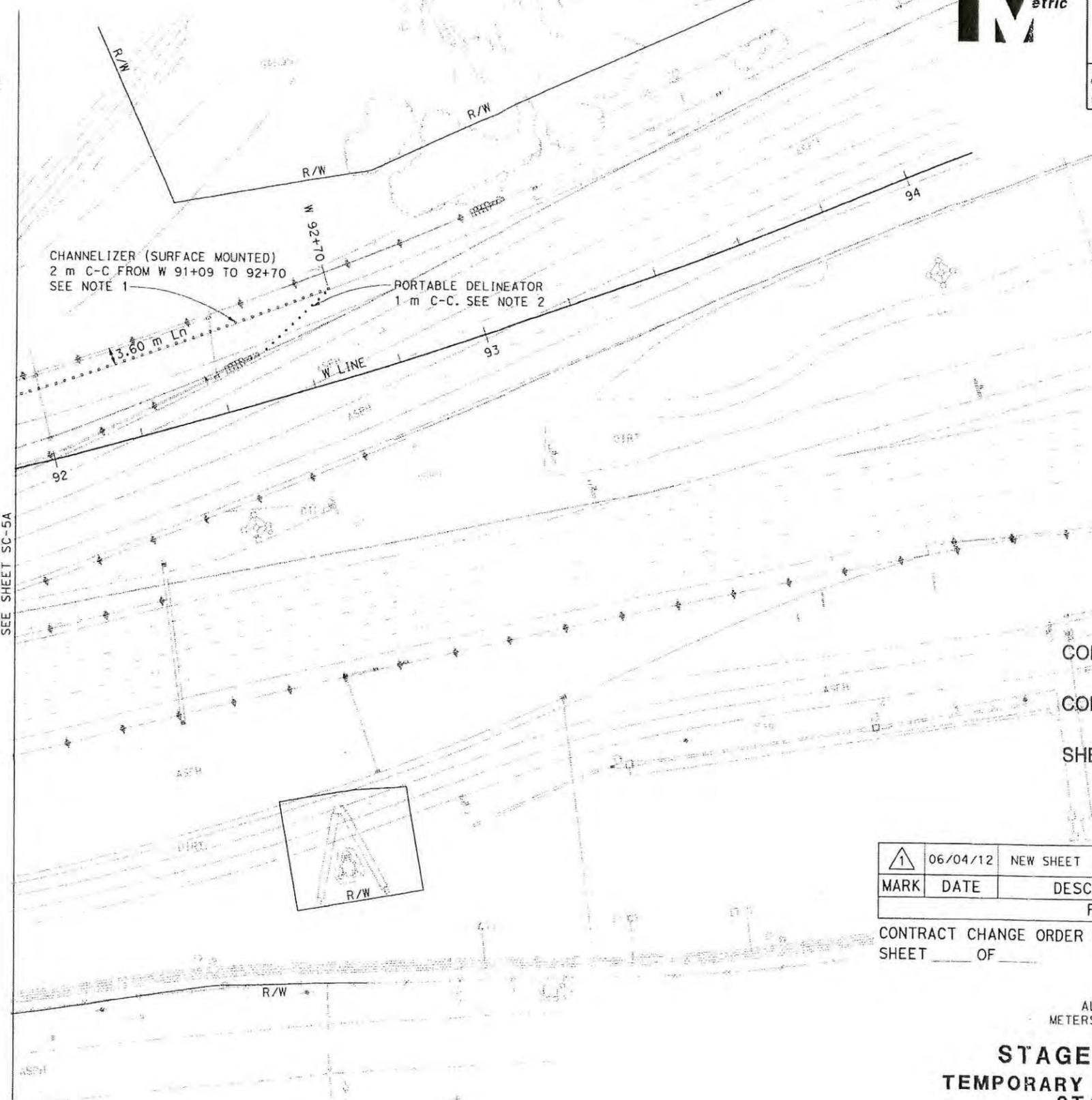
NOTES:

1. CHANNELIZER FOR CONSTRUCTION ZONE TO BE ORANGE POLE AND YELLOW REFLECTOR.
2. PORTABLE DELINEATOR FOR CONSTRUCTION ZONE TO BE ORANGE POLE AND WHITE REFLECTOR.

REVISOR: C. C. HO
 DESIGNED BY: JAIME E. GUTIERREZ
 CHECKED BY: JAIME E. GUTIERREZ
 SUPERVISOR: JAIME E. GUTIERREZ



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	80	1.6/2.7	110B	744
REGISTERED CIVIL ENGINEER			DATE	6-11-12	
C.C. HO			NO.	62495	
PLANS APPROVAL DATE			DATE	9-30-13	
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.					



CONTRACT NO. 04-0120M4
 CONTRACT CHANGE ORDER NO. 23
 SHEET 4 OF 13

1	06/04/12	NEW SHEET	CH	JG	
MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
REVISIONS					

CONTRACT CHANGE ORDER No. _____
 SHEET _____ OF _____

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

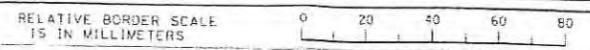
**STAGE CONSTRUCTION
 TEMPORARY CONSTRUCTION ACCESS
 STAGE 1 PHASE 1**

SCALE 1:500

SC-5B

FOR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY



FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	110C	744

REGISTERED CIVIL ENGINEER DATE 6-14-12

PROFESSIONAL ENGINEER
Shi F. Lam
No. 50970
Exp. 9-30-13
CIVIL
STATE OF CALIFORNIA

PIANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

- LEGEND:**
- (No.) TEMP PAVEMENT DELINEATION DETAIL NUMBER
 - CHANGE OF PAVEMENT DELINEATION DETAILS
 - ↑ ROADSIDE SIGN SINGLE POST
 - ① ROADSIDE SIGN

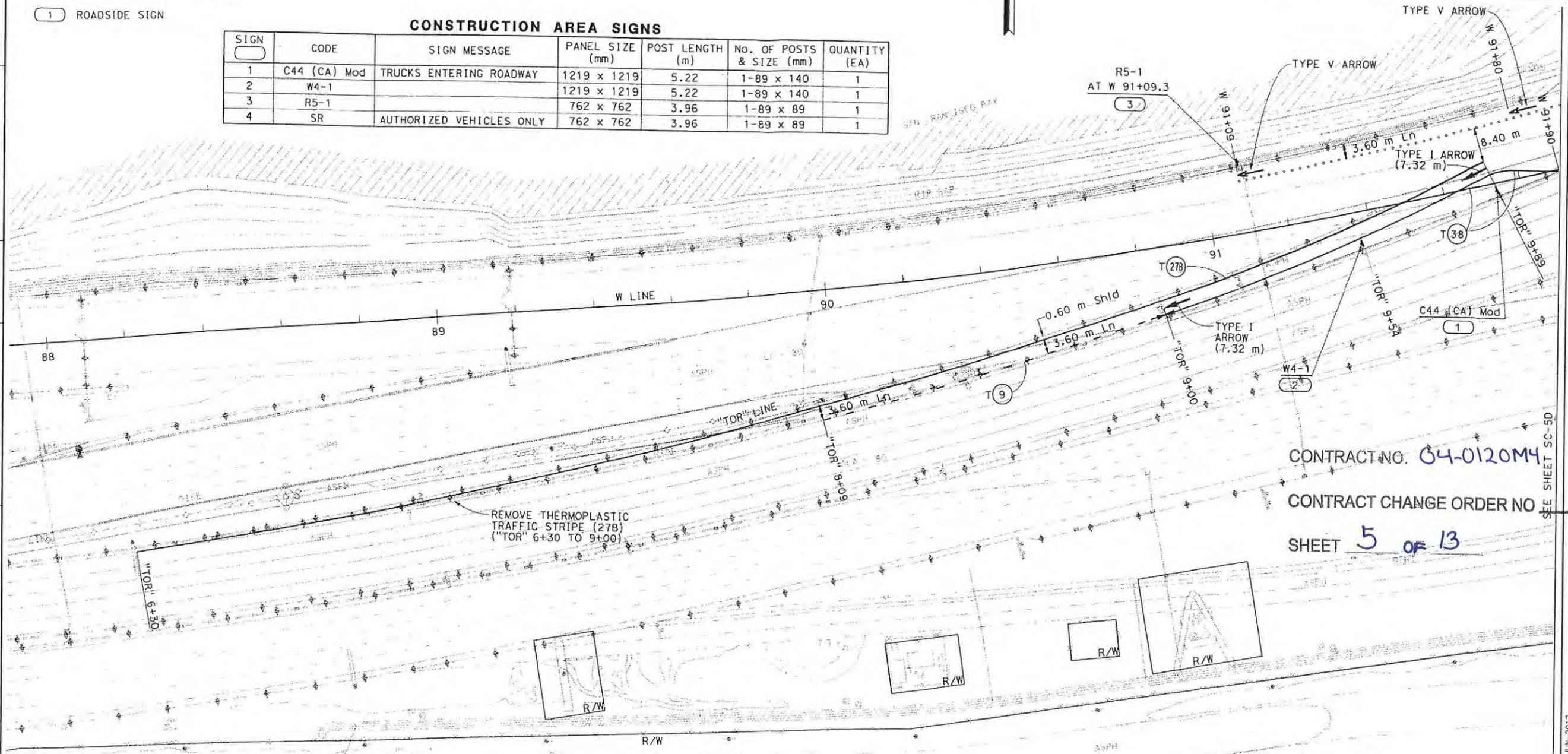
NOTE:

1. EXACT LOCATION AND POSITION OF ROADSIDE SIGNS TO BE DETERMINED BY THE ENGINEER.

CONSTRUCTION AREA SIGNS

SIGN	CODE	SIGN MESSAGE	PANEL SIZE (mm)	POST LENGTH (m)	No. OF POSTS & SIZE (mm)	QUANTITY (EA)
①	C44 (CA) Mod	TRUCKS ENTERING ROADWAY	1219 x 1219	5.22	1-89 x 140	1
②	W4-1		1219 x 1219	5.22	1-89 x 140	1
③	R5-1		762 x 762	3.96	1-89 x 89	1
④	SR	AUTHORIZED VEHICLES ONLY	762 x 762	3.96	1-89 x 89	1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TOLL BRIDGE
 FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
 CALCULATED-DESIGNED BY: SHI LAM
 CHECKED BY: RODRIGO PUENTE
 REVISED BY: [] DATE REVISED: []



CONTRACT NO. 04-0120M4
 CONTRACT CHANGE ORDER NO. []
 SHEET 5 OF 13

▲	06/04/12	NEW SHEET	SL	RP	
MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
REVISIONS					

CONTRACT CHANGE ORDER No. []
 SHEET [] OF []

FOR LEGEND, SEE SHEET SC-1

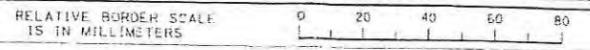
THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

SCALE 1:500

**STAGE CONSTRUCTION
 TEMPORARY CONSTRUCTION ACCESS
 TEMPORARY PAVEMENT DELINEATION/SIGNING
 STAGE 1 PHASE 1**

SC-5C

BORDER LAST REVISED 3/1/2007



USERNAME => s120103
 DCN FILE => 40120mm005C.ccd

CU 04271

EA 0120M4

DATE PLOTTED => 15-JUN-2012
 TIME PLOTTED => 15:35
 LAST REVISED ON: 06-12-12

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

LEGEND:

- 4 ROADSIDE SIGN SINGLE POST
- 1 ROADSIDE SIGN

NOTE:

- 1. EXACT LOCATION AND POSITION OF ROADSIDE SIGNS TO BE DETERMINED BY THE ENGINEER.

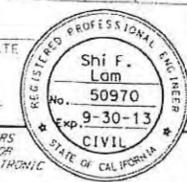


DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	110D	744

REGISTERED CIVIL ENGINEER DATE _____

PLANS APPROVAL DATE _____

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



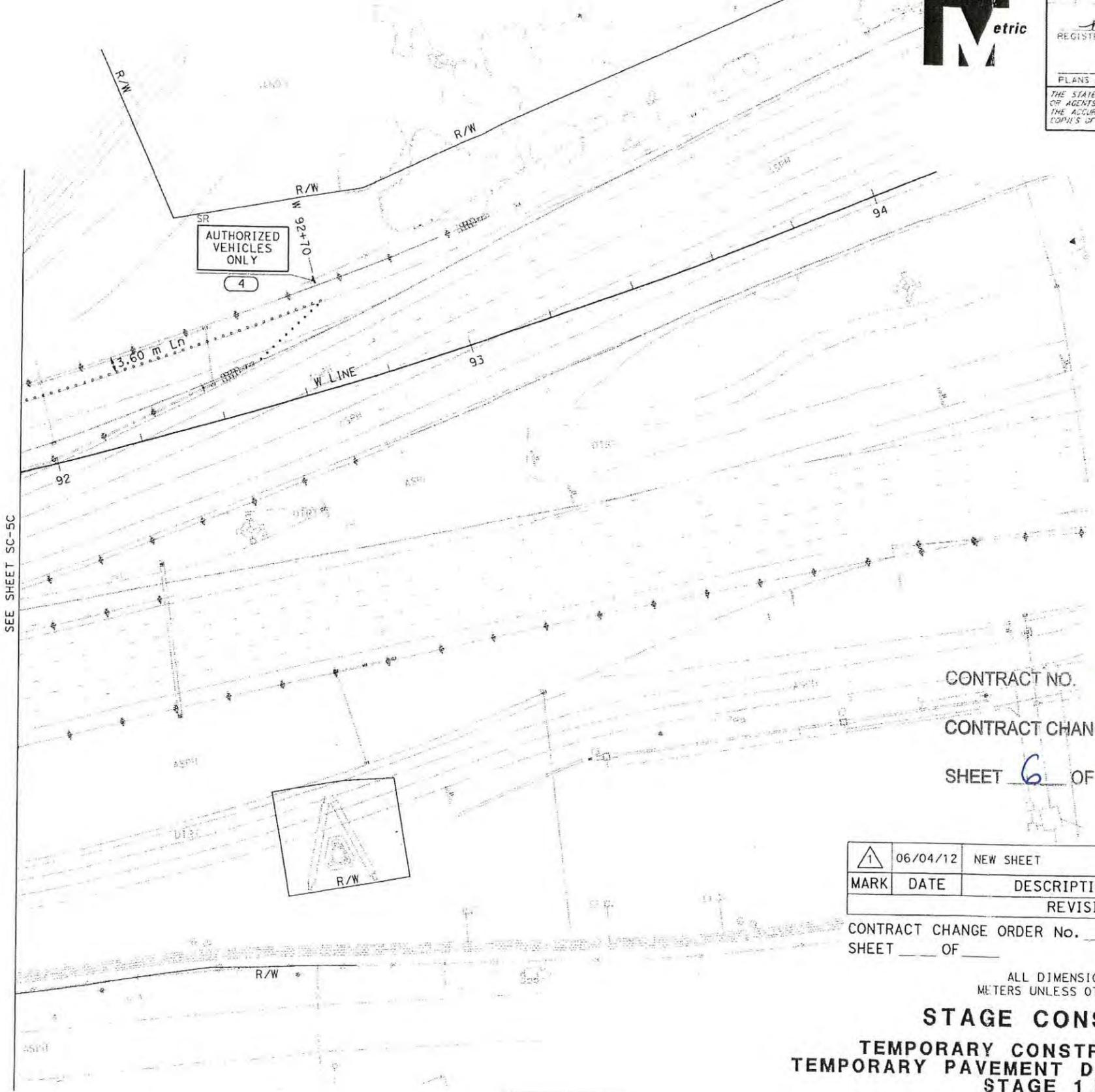
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TOLL BRIDGE

FUNCTIONAL SUPERVISOR
 JAIME E. GUTIERREZ

CALCULATED-DESIGNED BY
 CHECKED BY

SHI LAM
 RODRIGO PUENTE

REVISED BY
 DATE REVISED



CONTRACT NO. 04-0120M4
 CONTRACT CHANGE ORDER NO. 23
 SHEET 6 OF 13

MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
1	06/04/12	NEW SHEET		SL RP	
REVISIONS					

CONTRACT CHANGE ORDER No. _____
 SHEET _____ OF _____

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

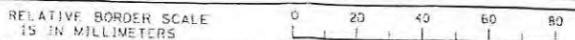
STAGE CONSTRUCTION
TEMPORARY CONSTRUCTION ACCESS
TEMPORARY PAVEMENT DELINEATION/SIGNING
STAGE 1 PHASE 1

SCALE 1:500

SC-5D

FOR LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY



USERNAME => s120183
 DGN FILE => 40120mmd065D.dgn

CU 04271

EA 0120M4

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO 24	Suppl. No. 0	Contract No 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: FLATRION WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Extra Work at Force Account:

Perform the following work in accordance with Section 19-1.04 REMOVAL AND DISPOSAL OF BURIED MAN-MADE OBJECTS of the Standard Specifications, as directed by the Engineer.

This work will be paid for in accordance with Section 5-1.17 Force Account Payment of the Special Provisions and Section 4-1.03D Extra Work of the Standard Specifications.

Estimated cost of Extra Work at Force Account\$150,000.00

KA

Estimated Cost: Increase Decrease \$150,000.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by		
Signature <i>J. Balderramos</i>	Resident Engineer JEANNETTE BALDERRAMOS	Date 7-9-12
Approval Recommended by		
Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 7/9/12
Engineer Approval by		
Signature	Area Construction Manager DEANNA VILCHECK	Date

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

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by		
Signature	(Print name and title)	Date

CONTRACT CHANGE ORDER MEMORANDUM

DATE: 6/21/2012 Page 1 of 1

TO: DEANNA VILCHECK / JEANNETTE BALDERRAMOS			FILE: E.A. 04 - 0120M4
FROM: JEANNETTE BALDERRAMOS			CO-RTE-PM 04-ALA-80-1.6/2.7
			FED. NO. NO FED AID
CCO# 24	SUPPLEMENT#: 0	Category Code: ALZZ	CONTINGENCY BALANCE (incl. this change) \$4,651,861.00
COST: \$150,000.00 INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>			HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
SUPPLEMENTAL FUNDS PROVIDED: \$150,000.00			IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
CCO DESCRIPTION: Remove & Disp Manmade Objects not on Drw			PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)	Percentage Time Adjusted: (including this change) 0 %
			Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

This change order provides funds to compensate the Contractor for removal of buried man-made objects that have not been shown on the Contract Plans or Special Provisions, as authorized by the Engineer.

The Oakland Touchdown 2 (OTD2) completes the Oakland Mainland connector of the east span of the San Francisco Oakland Bay Bridge (SFOBB). During the work, there may be numerous utility lines encountered that have not been shown on the plans or specifications. Under this CCO, the Engineer will be able to field direct the exploration and relocation or removal of such utility lines.

The work will be paid for as extra work at force account. A cost estimate is on file.

This CCO provides funding for an estimated cost of \$150,000.

Supplemental funds item # 2 provides for the work of this change in the amount of \$350,000.00.

No adjustment of contract time is warranted by this change.

CONCURRED BY:		ESTIMATE OF COST	
Construction Engineer: JEANNIE BALDERRAMOS <i>JB</i>	Date <i>7-9-12</i>	ITEMS	THIS REQUEST TOTAL TO DATE
Bridge Engineer: GARY J LAI	Date	FORCE ACCOUNT	\$0.00 \$0.00
Project Engineer: GABRIEL TCRUZ	Date	AGREED PRICE	\$150,000.00 \$150,000.00
Project Manager: KEN TERPSTRA	Date	ADJUSTMENT	\$0.00 \$0.00
FHWA Rep.:	Date	TOTAL	\$150,000.00 \$150,000.00
Environmental:	Date	FEDERAL PARTICIPATION	
Other (specify):	Date	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE	
Other (specify):	Date	<input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING	
District Prior Approval By:	Date	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
HQ (Issue Approve) By:	Date	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS	
Resident Engineer's Signature: <i>for JB</i> <i>Deanna Vilcheck</i>	Date <i>7/9/12</i>	FEDERAL FUNDING SOURCE PERCENT	

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO 25	Suppl. No. 0	Contract No. 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: **FLATRION WEST INC**

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Extra Work at Force Account:

Perform the following work in accordance with Special Provisions Section 10-1.33 Existing Highway Facilities and Standard Specifications (as amended) Sections 15 and 16, as directed by the Engineer:

1. Provide assistance in exposing and identifying existing utilities not shown on the Contract Plans or in the Special Provisions.
2. Preserve, maintain, or relocate utilities deemed necessary by the Engineer when not shown on the Contract Plans or in the Special Provisions.
3. Remove and dispose of utilities not shown on the Contract Plans or in the Special Provisions, and determined to be abandoned by the Engineer. Disposal shall be in accordance with Section 7-1.13 Disposal of Material Outside the Highway Right of Way of the Standard Specifications.

This work will be paid for in accordance with Section 5-1.17 Force Account Payment of the Special Provisions and Standard Specifications Section 4-1.03D Extra Work.

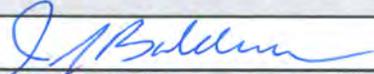
Estimated cost of Extra Work at Force Account\$100,000.00.

KA

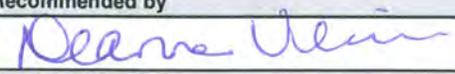
Estimated Cost: Increase Decrease \$100,000.00

By reason of this order the time of completion will be adjusted as follows: 0 days

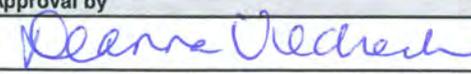
Submitted by

Signature 	Resident Engineer JEANNETTE BALDERRAMOS	Date 7-9-12
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Approval Recommended by

Signature 	Area Construction Manager DEANNA VILCHECK	Date 7/9/12
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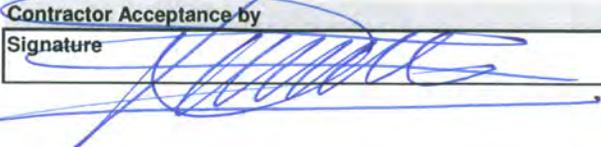
Engineer Approval by

Signature 	Area Construction Manager DEANNA VILCHECK	Date 7/23/12
---	--	--------------

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

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by

Signature 	(Print name and title) OP. F. DIAZ	Date 7/18/12
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CONTRACT CHANGE ORDER MEMORANDUM

DATE: 6/21/2012 Page 1 of 1

TO: DEANNA VILCHECK / JEANNETTE BALDERRAMOS		FILE: E.A. 04 - 0120M4	
FROM: JEANNETTE BALDERRAMOS		CO-RTE-PM 04-ALA-80-1.6/2.7	
FED. NO. NO FED AID			
CCO# 25	SUPPLEMENT#: 0	Category Code: AHZZ	CONTINGENCY BALANCE (incl. this change) \$4,551,861.00
COST: \$100,000.00		INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>	HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
SUPPLEMENTAL FUNDS PROVIDED: \$0.00		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CCO DESCRIPTION: Utilities Not Shown On Plans		PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM	
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)	Percentage Time Adjusted: (including this change) 0 %
			Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

Potholing, preserving, relocating or abandoning utilities that have not been shown on the Contract Plans or Special Provisions, as authorized by the Engineer.

The Oakland Touchdown 2 (OTD2) completes the Oakland Mainland connector of the east span of the San Francisco Oakland Bay Bridge (SFOBB). During the work, there may be numerous utility lines encountered that have not been shown on the plans or specifications. Under this CCO, the Engineer will be able to field direct the exploration and relocation or removal of such utility lines.

The work will be paid for as extra work at force account for an estimated cost of \$100,000. A cost estimate is on file. Funds for this work will be financed from the project's contingency fund.

No adjustment of contract time is warranted by this change.

Maintenance concurrence is not required as this change doesn't affect any permanent roadway features.

CONCURRED BY:		ESTIMATE OF COST	
Construction Engineer: JEANNIE BALDERRAMOS <i>JLB</i> Date 7-9-12		THIS REQUEST	TOTAL TO DATE
Bridge Engineer: GARY J LAI <i>GJL</i> Date 7/20/12		ITEMS	\$0.00
Project Engineer: GABRIEL TCRUZ Date 7-9-12		FORCE ACCOUNT	\$100,000.00
Project Manager: KEN TERPSTRA Date 7/21/12		AGREED PRICE	\$0.00
FHWA Rep.: Date		ADJUSTMENT	\$0.00
Environmental: Date		TOTAL	\$100,000.00
Other (specify): Date		FEDERAL PARTICIPATION	
Other (specify): Date		<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE	
District Prior Approval By: Date		<input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING	
HQ (Issue Approve) By: Date		FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
Resident Engineer's Signature: <i>Deanna Vilcheck</i> Date 7/9/12		<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS	
		FEDERAL FUNDING SOURCE	PERCENT

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO 31	Suppl. No. 0	Contract No. 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: FLATIRON WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Extra Work at Lump Sum:

Modify the Bike Path lighting as shown on Pages No. 2 and 3 of this change order (Plan Sheets No. 232R1 and 306R1).

For all additional cost resulting from this change, the Contractor shall be compensated an agreed lump sum of \$34,100.00, which constitutes full compensation, including all markups, complete in place.

Extra Work at Agreed Lump Sum\$34,100.00

Estimated Cost: Increase Decrease \$34,100.00

By reason of this order the time of completion will be adjusted as follows: Deferred

Submitted by

Signature <i>[Signature]</i> for Jeannie Balderramos	Resident Engineer JEANNETTE BALDERRAMOS	Date 9/23/13
--	--	--------------

Approval Recommended by

Signature <i>[Signature]</i> for Jeannie Balderramos	Construction Engineer JEANNIE BALDERRAMOS	Date 9/23/13
--	--	--------------

Engineer Approval by

Signature <i>[Signature]</i>	Construction Engineer JEANNIE BALDERRAMOS	Date 9/23/13
------------------------------	--	--------------

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

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by

Signature <i>[Signature]</i>	(Print name and title) <i>F. Deacon VP</i>	Date 9/20/13
------------------------------	--	--------------

[Handwritten mark]

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: BRADY NADELL

DESIGNED BY: JEFFREY HALIM

CHECKED BY: DAVID OTO

REVISIONS: (None listed)

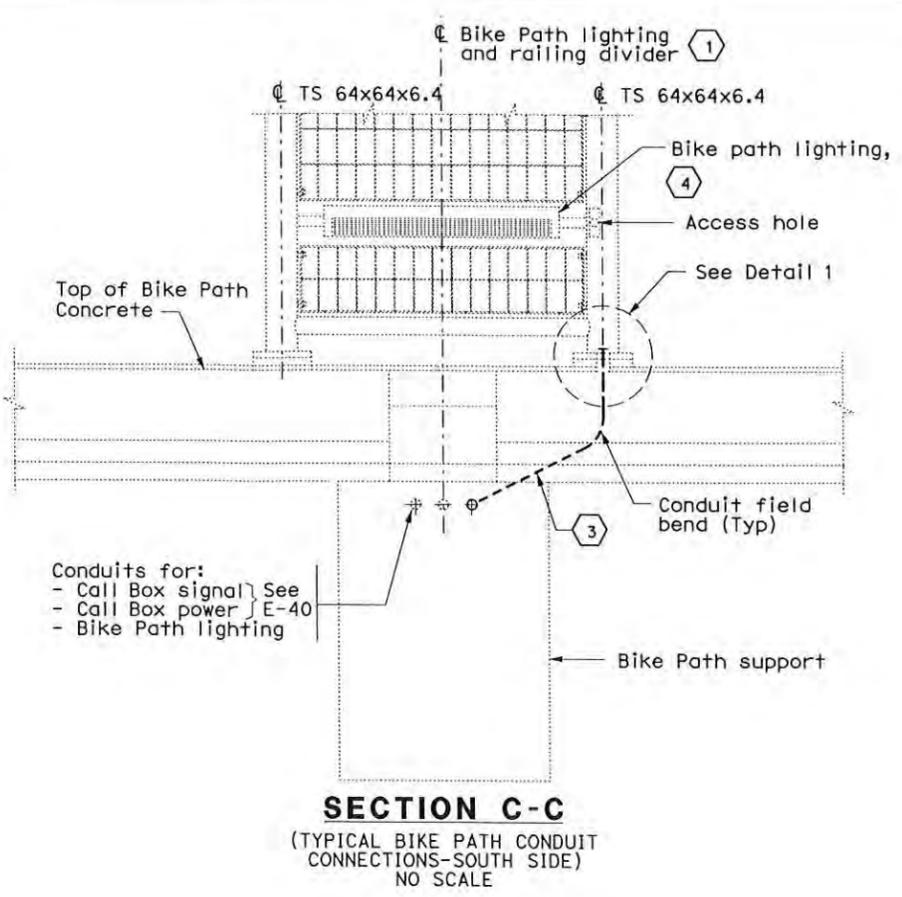
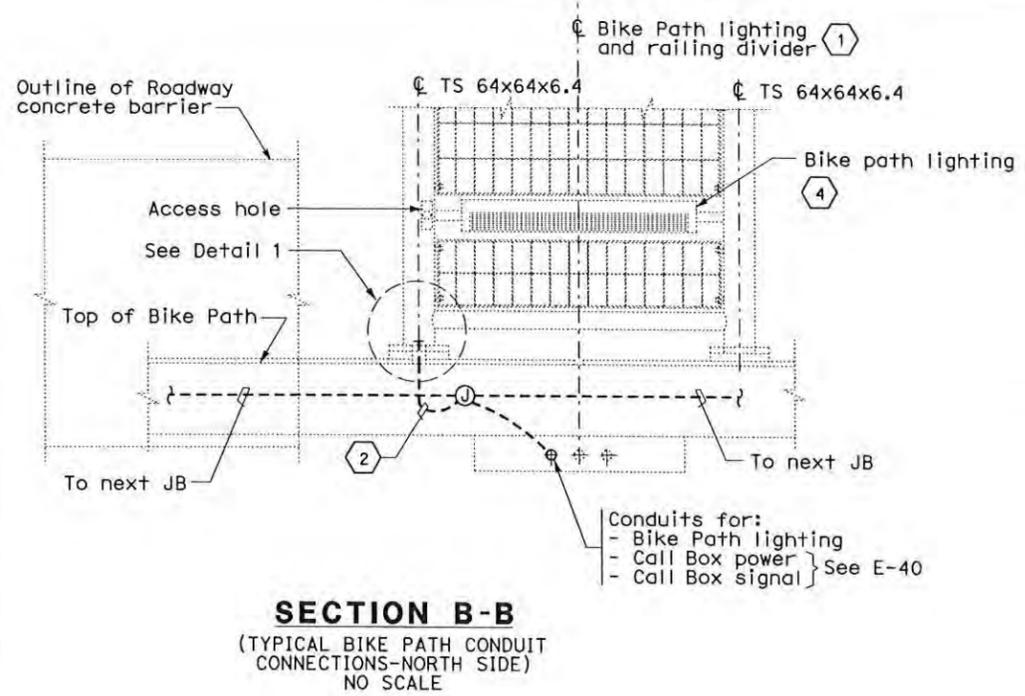
Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	232 R1	744

05/02/11
REGISTERED ELECTRICAL ENGINEER
DAVID H. OTO
No. 10699
Exp. 06/30/2013
ELECTRICAL
STATE OF CALIFORNIA

10-3-11
PLANS APPROVAL DATE

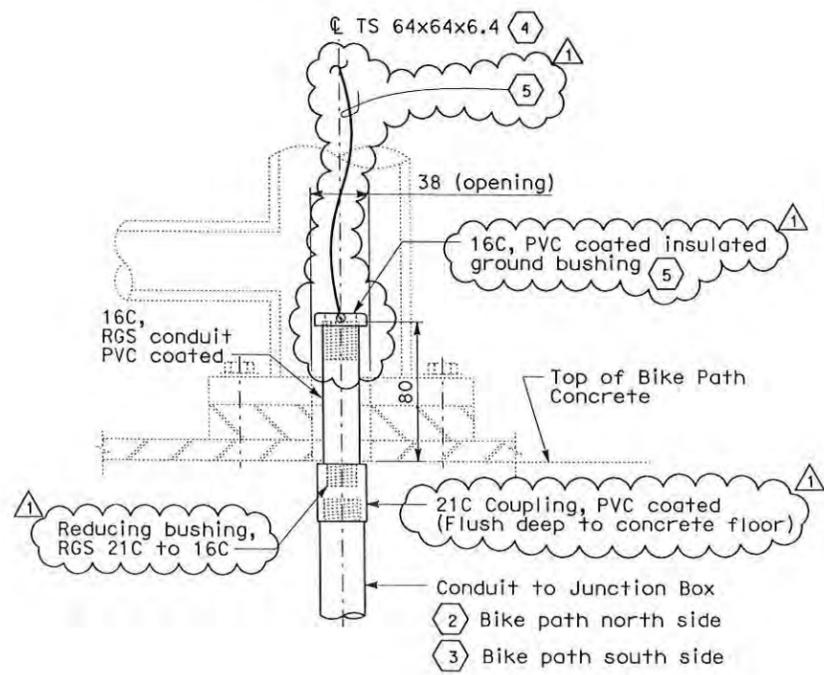
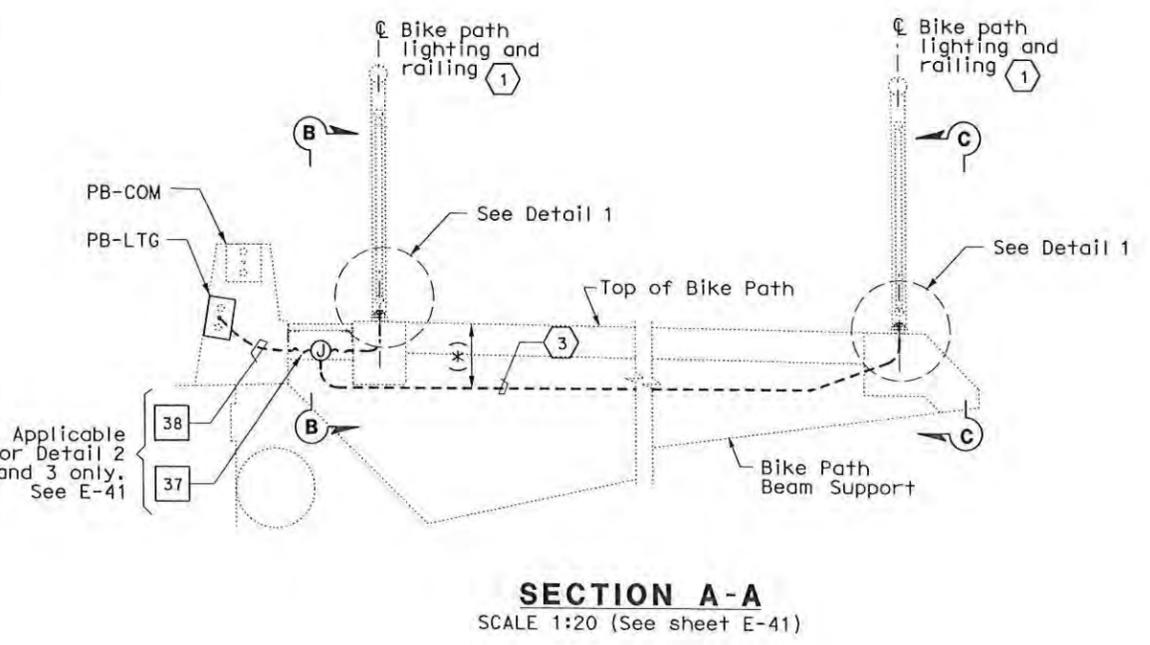
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

PB AMERICAS, Inc.
303 Second St., Suite 700N
San Francisco, CA 94107-1317



- NOTES:**
- All exposed conduit and fittings installed including between roadway barrier and Bike Path shall be PVC coated RGS.
 - For locations of PB-LTG and PB-COM at the concrete barriers, see Sheets E-8 through E-11.
 - References:
 - For pull box schedule, see Sheet E-43.
 - For Bike Path schedule, see Sheet E-57.
 - (*) Dimensions to be provided by Structural.
 - TS refers to tubular steel.

- SHEET NOTES:**
- For details of Bike railing and Lighting Fixtures mounting, see Structures plan sheets and sheet E-61.
 - 21C, Flexible metallic conduit (2#12 + #12G).
 - 21C, RGS Conduit (2#12 + #12G).
 - Prior to installing the bike path railing to the structure, the Contractor shall provide a pull rope inside the conduit. The pull rope end shall be inside the bike path lighting housing.
 - Run bare #6 from ground bushing to fixture ground. Terminate at fixture grounding point.



FOR REVISION ONLY

MARK	DATE	DESCRIPTIONS	BY	CH'D
△	08/29/12	Revise BikePath Ramp Conduit	LB	DO

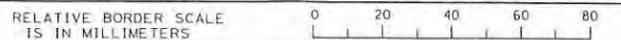
CONTRACT CHANGE ORDER NO. 31
SHEET 2 OF 3

DETAILS
ROADWAY AND GIRDER LEVEL EASTBOUND
(TYPICAL BIKE PATH LIGHTING DETAILS)
SCALE AS NOTED

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

BORDER LAST REVISED 3/1/2007



DGN FILE => 40120mua042r01.dgn
USERNAME => Ltorico

CU 04251

EA 0120M1

DATE PLOTTED => 04-SEP-2012
TIME PLOTTED => 14:53

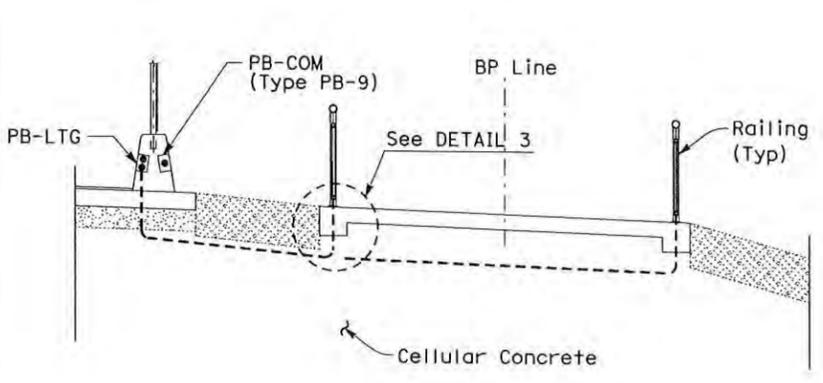
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 CONSULTANT: FUNCTIONAL SUPERVISOR: BRADY NADELL
 DESIGNED BY: JEFFREY HALIM
 CHECKED BY: ELLERY LUCAS
 REVISIONS: REVISOR: DATE
 REVISIONS: REVISOR: DATE



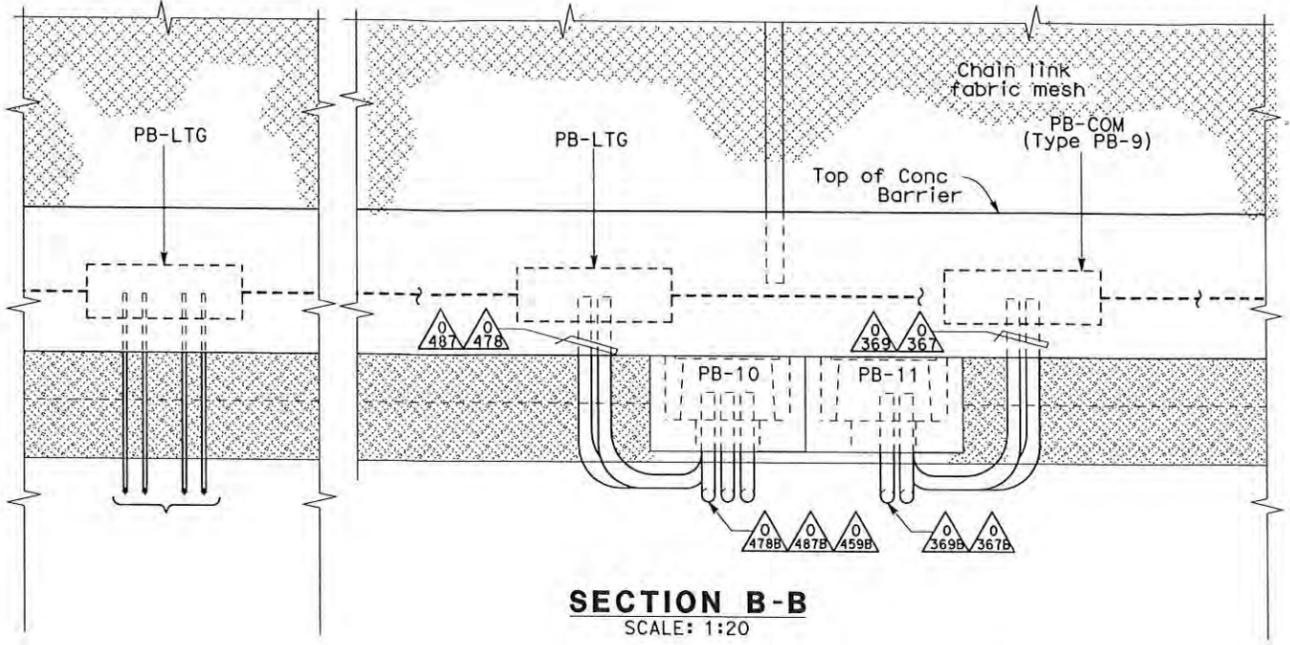
Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	306 R1	744

5/02/11
 REGISTERED ELECTRICAL ENGINEER
 10-3-11
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.
 PB AMERICAS, Inc.
 303 Second St., Suite 700N
 San Francisco, CA 94107-1317

REGISTERED PROFESSIONAL ENGINEER
 DAVID H. OTO
 No. 10699
 Exp. 06/30/2013
 ELECTRICAL
 STATE OF CALIFORNIA

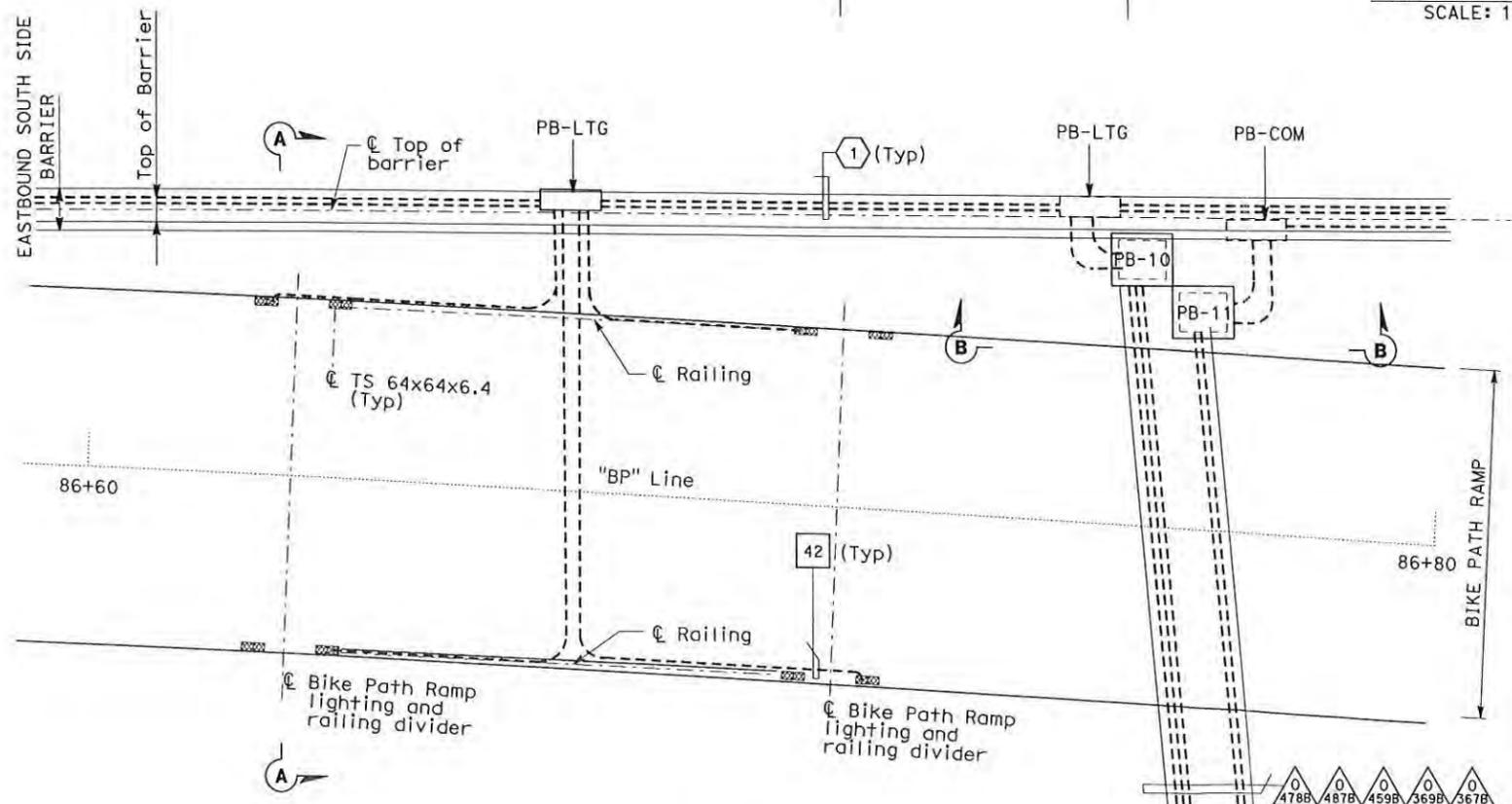


SECTION A-A
SCALE: 1:50

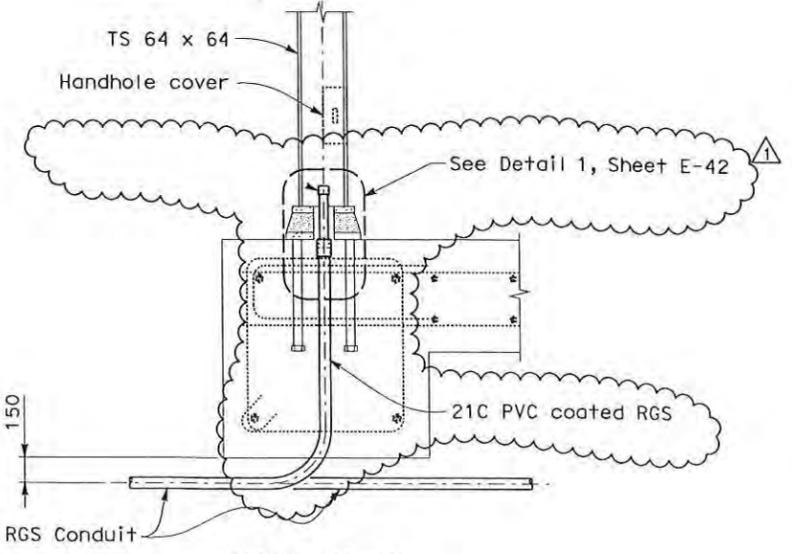


SECTION B-B
SCALE: 1:20

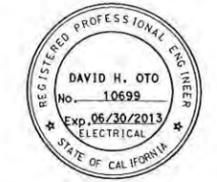
- NOTES:**
- References:
 - For bike path wiring diagram, see sheets E-145 and E-146.
 - For bike path lighting fixture schedule, see sheet E-145.
 - For pull box schedule, see sheet E-130.
 - For conduit and tray, cable and circuit schedules, see sheets starting at E-205.
 - For railing details, refer to structural drawings "Bike Path Railings Details".



DETAIL 1
(See sheet E-97)
SCALE: 1:50



DETAIL 3
NO SCALE



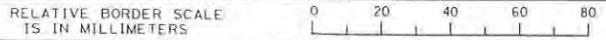
MARK	DATE	DESCRIPTIONS	BY	CH'D
△	08/29/12	Revise BikePath Ramp Conduit	LB	DO

CONTRACT CHANGE ORDER NO. 31
 SHEET 3 OF 3

DETAILS
UNDERGROUND AND ROADWAY AT GRADE
(BIKE PATH RAMP CONDUIT PLAN)
 SCALE AS NOTED

To Service Pad #26
 Sheet E-97.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN



DGN FILE => 40120mua116r01.dgn
 USERNAME => Llorico

CU 04251 EA 0120M1

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

BORDER LAST REVISED 3/1/2007

LAST REVISION: 08-12-11
 DATE PLOTTED => 04-SEP-2012
 TIME PLOTTED => 15:10

CONTRACT CHANGE ORDER MEMORANDUM

DATE: 7/26/2012 Page 1 of 1

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS		FILE: E.A. 04 - 0120M4	
FROM: JEANNIE BALDERRAMOS		CO-RTE-PM 04-ALA-80-1.6/2.7	
		FED. NO. NO FED AID	
CCO#: 31	SUPPLEMENT#: 0	Category Code: CBPC	CONTINGENCY BALANCE (incl. this change) \$487,183.55
COST: \$34,100.00		INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>	HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
SUPPLEMENTAL FUNDS PROVIDED: \$0.00		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CCO DESCRIPTION: Bikepath Lighting Modification		PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM	
Original Contract Time: 1140 Day(s)	Time Adj. This Change: DEF Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)	Percentage Time Adjusted: (including this change) 0 %
		Total # of Unreconciled Deferred Time CCO(s): (including this change) 0	

THIS CHANGE ORDER PROVIDES FOR:

Modifying electrical details for the bike path lighting.

This contract, the Oakland Touchdown 2 (OTD2) provides for the construction of the last remaining concrete box girder frame of the Oakland Touchdown structure and the construction of the remaining eastern roadway approach as part of the new east span of the San Francisco Oakland Bay Bridge (SFOBB).

As part of the work, the contract provides for the construction of a new bike path which provides access to the new SFOBB east span bike path from the east approach to the bridge. The lighting includes 125 each poles and luminaires located on both the structure and the at grade path leading to the structure. The Office of Toll Bridge Design has provided revised plan sheets which modify the lighting wiring and conduit details. This change order provides for these modifications.

The changes include revising the size of a steel conduit running to the base of the light pole from 16C to 21C, adding a coupling at the base of the light pole, and added a grounding cable and bushing from the base of the pole to the luminaire. The change affects all 125 each light poles.

Compensation shall be paid as extra work at an agreed lump sum of \$34,100.00, which shall be financed from the contract's contingency funds. A cost analysis is on file.

This change was requested by Office of Toll Bridge Design, on a memo dated September 10, 2012.

Adjustment of contract time is deferred as the work may affect the controlling operation.

Maintenance concurrence is required.

CONCURRED BY:		ESTIMATE OF COST	
Construction Engineer: JEANNIE BALDERRAMOS	Date 9/13/12	THIS REQUEST	TOTAL TO DATE
Bridge Engineer:	Date	ITEMS	\$0.00
Project Engineer: GABRIEL TCRUZ	Date 9-19-13	FORCE ACCOUNT	\$0.00
Project Manager: KEN TERPSTRA	Date 9-20-12	AGREED PRICE	\$34,100.00
FHWA Rep.:	Date	ADJUSTMENT	\$0.00
Environmental:	Date	TOTAL	\$34,100.00
Other (specify): JAIME GUTIERREZ SR DGN ENG	Date 9-17-13	FEDERAL PARTICIPATION	
Other (specify): RENATO FORTALEZA.ELECT.MA	Date 9-17-13	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING	
District Prior Approval By:	Date	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
HQ (Issue Approve) By:	Date	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS	
Resident Engineer's Signature: <i>Deanna Vilcheck</i>	Date 9/20/13	FEDERAL FUNDING SOURCE	PERCENT

CONTRACT CHANGE ORDER MEMORANDUM

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS	FILE: E.A. 04 - 0120M4
FROM: JEANNIE BALDERRAMOS	CO-RTE-PM 04-ALA-80-1.6/2.7
	FED. NO. NO FED AID

CCO#: 32	SUPPLEMENT#: 0	Category Code: CBPC	CONTINGENCY BALANCE (incl. this change) \$61,230.18
COST: \$20,000.00	INCREASE <input checked="" type="checkbox"/>	DECREASE <input type="checkbox"/>	HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
SUPPLEMENTAL FUNDS PROVIDED: \$0.00			IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

CCO DESCRIPTION: Remove CMS Panel and Sign Structure		PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM		
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)	Percentage Time Adjusted: (including this change) 0 %	Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

Removal of an existing changeable message sign (CMS) and associated sign structure, and salvage of the CMS.

The Oakland Touchdown 2 (OTD2) completes the Oakland Mainland connector of the east span of the San Francisco Oakland Bay Bridge (SFOBB). The project is about 3,200 meters in length with a new eastbound structure comprised of concrete box girder bridge, approximately 26 meters wide, 40 meters high and 140 meters in length. Also included is 2,260 meters of striping and overlay on existing structures and 1,000 meters of striping and paving of roadway.

Contract 04-0120S4 decommissioned this CMS. The CMS was deactivated and left in place. The associated controller cabinet was removed and transferred to the Department for storage on-site. This change order provides for removal, salvage and delivery of the CMS to the Department's Hayward construction office, and removal and disposal of the CMS sign structure. This work shall be paid as extra work at force account for an estimated cost of \$20,000.00, which can be financed from the contract contingency funds. A force account analysis for this work is in file.

Maintenance concurrence is not required as this change doesn't affect any permanent roadway features.

No adjustment of the contract time is warranted, as this change does not affect the controlling operation.

CONCURRED BY:		ESTIMATE OF COST	
Construction Engineer: JEANNIE BALDERRAMOS	Date: 7-29-13	THIS REQUEST	TOTAL TO DATE
Bridge Engineer:	Date:	ITEMS	\$0.00
Project Engineer: GABRIEL TCRUZ	Date: 8/2/13	FORCE ACCOUNT	\$20,000.00
Project Manager: KEN TERPSTRA	Date: 7/31/13	AGREED PRICE	\$0.00
FHWA Rep.:	Date:	ADJUSTMENT	\$0.00
Environmental:	Date:	TOTAL	\$20,000.00
Other (specify): JAIME GUTIERREZ SR DGN ENG	Date: 7/31/13	FEDERAL PARTICIPATION	
Other (specify):	Date:	<input checked="" type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING	
District Prior Approval By: Deanna Vilcheck	Date: 8/30/12	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
HQ (Issue Approve) By:	Date:	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS	
Resident Engineer's Signature: Deanna Vilcheck for JB	Date: 7/31/13	FEDERAL FUNDING SOURCE	PERCENT

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO 32	Suppl. No. 0	Contract No 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: FLATRION WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Extra Work at Force Account:

Remove the existing deactivated Changeable Message Sign (CMS) and sign structure that are associated with the foundation shown on contract plan sheets C-4. Salvage the CMS and deliver the CMS and the controller cabinet to the Department's Hayward Construction Office at 25100 Santa Clara St, Hayward. Dispose of the sign structure outside the Department's right of way.

Estimated cost of Extra Work at Force Account\$20,000.00

Estimated Cost: Increase Decrease \$20,000.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by		
Signature <i>Jeannie Balderramos</i>	Resident Engineer JEANNIE BALDERRAMOS	Date 12/20/2012

Approval Recommended by		
Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 1/31/13

Engineer Approval by		
Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 1/31/13

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

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by		
Signature <i>[Signature]</i>	(Print name and title) <i>F. DASHN U.P.</i>	Date <i>2/20/13</i>

OK

0116 - 12

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO 33	Suppl. No. 0	Contract No. 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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Consideration of a time adjustment will be deferred until completion of the work specified herein. Determination of a commensurate time extension will be made in accordance with Section 10-1.19, "Progress Schedule (Critical Path Method)", of the Special Provisions.

10/12

Estimated Cost: Increase Decrease \$953,561.55

By reason of this order the time of completion will be adjusted as follows: Deferred

Submitted by		
Signature <i>J. J. Balderramos</i>	Resident Engineer JEANNIE BALDERRAMOS	Date 9-6-12

Approval Recommended by		
Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 9/6/12

Engineer Approval by		
Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 9/18/12

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

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by		
Signature <i>[Signature]</i>	(Print name and title) <i>F. DAANUS - U.P.</i>	Date 08/18/12

Original

CONTRACT CHANGE ORDER MEMORANDUM

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS		FILE: E.A. 04 - 0120M4
FROM: JEANNIE BALDERRAMOS		CO-RTE-PM 04-ALA-80-1.6/2.7
		FED. NO. NO FED AID
CCO# 33	SUPPLEMENT#: 0	Category Code: CHTC
CONTINGENCY BALANCE (incl. this change)		\$3,598,299.45
COST: \$953,561.55	INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>	HEADQUARTERS APPROVAL REQUIRED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
SUPPLEMENTAL FUNDS PROVIDED: \$0.00		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
CCO DESCRIPTION: Construct Temporary Detour w/ Trestle.		PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM
Original Contract Time: 1140 Day(s)	Time Adj. This Change: DEF Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)
Percentage Time Adjusted: (including this change)		Total # of Unreconciled Deferred Time CCO(s): (including this change)
0 %		1

THIS CHANGE ORDER PROVIDES FOR:

a temporary detour including trestle for site access to the new westbound structure from Pier 7.

The Oakland Touchdown 2 (OTD2) completes the Oakland Mainland connector of the east span of the San Francisco Oakland Bay Bridge (SFOBB). The project is about 3,200 meters in length with a new East Bound structure comprised of concrete box girder bridges each approximately 26 meters wide, 40 meters high and 140 meters in length. Also included is 2,260 meters of striping and overlay on existing structures and 1,000 meters of striping and paving of roadway.

Falsework will severely limit the vertical and horizontal clearances of an existing access road leading from the Pier 7 campus to the new WB SFOBB. 24/7 access to this road is contractually obligated to the Contractor of the SAS Project (04-0120F4) per that Contract Special Provisions. Additionally, emergency vehicles use this road for ingress and egress to the jobsite. An alternate road is required to maintain this access. Thus construction of this temporary detour, including trestle, for site access is required.

Compensation for inspection, maintenance and repair of the temporary detour shall be paid as extra work at unit price of \$ 415.08 per day for an estimated duration of 168 days. Compensation for the construction and removal of the temporary detour shall be paid as extra work at agreed lump sum of \$883,831.47. The total of the Unit Price and Lump Sum is \$953,561.55, which can be financed from the contingency funds.

A cost analysis is on file at the Resident Engineer's Office.

Consideration of a time adjustment will be deferred pending completion of the specified work.

Maintenance concurrence is not required as this change affects a temporary structure and doesn't affect any permanent roadway features.

CONCURRED BY:		ESTIMATE OF COST	
Construction Engineer: JEANNIE BALDERRAMOS <i>JB</i>	Date 9-6-12	THIS REQUEST	TOTAL TO DATE
Bridge Engineer: GARY J LAI <i>GJL</i>	Date 9-7-2012	ITEMS	\$0.00
Project Engineer: GABRIEL TCRUZ	Date 9-7-2012	FORCE ACCOUNT	\$0.00
Project Manager: KEN TERPSTRA	Date 9-18-2012	AGREED PRICE	\$953,561.55
FHWA Rep.:	Date	ADJUSTMENT	\$0.00
Environmental:	Date	TOTAL	\$953,561.55
Other (specify):	Date	FEDERAL PARTICIPATION	
Other (specify):	Date	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING	
District Prior Approval By:	Date	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
HQ (Issue Approve) By: LARRY SALHANEY	Date 9/6/2012	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS	
Resident Engineer's Signature: <i>JBalderramos</i>	Date 9-6-12	FEDERAL FUNDING SOURCE	PERCENT

Original

CONTRACT CHANGE ORDER MEMORANDUM

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS			FILE: E.A. 04 - 0120M4
FROM: JEANNIE BALDERRAMOS			CO-RTE-PM 04-ALA-80-1.6/2.7
			FED. NO. NO FED AID
CCO# 33	SUPPLEMENT#: 0	Category Code: CHTC	CONTINGENCY BALANCE (incl. this change) \$3,598,299.45
COST: \$953,561.55 INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>			HEADQUARTERS APPROVAL REQUIRED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
SUPPLEMENTAL FUNDS PROVIDED: \$0.00			IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
CCO DESCRIPTION: Construct Temporary Detour w/ Trestle.			PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM
Original Contract Time: 1140 Day(s)	Time Adj. This Change: DEF Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)	Percentage Time Adjusted: (including this change) 0 %
			Total # of Unreconciled Deferred Time CCO(s): (including this change) 1

THIS CHANGE ORDER PROVIDES FOR:

a temporary detour including trestle for site access to the new westbound structure from Pier 7.

The Oakland Touchdown 2 (OTD2) completes the Oakland Mainland connector of the east span of the San Francisco Oakland Bay Bridge (SFOBB). The project is about 3,200 meters in length with a new East Bound structure comprised of concrete box girder bridges each approximately 26 meters wide, 40 meters high and 140 meters in length. Also included is 2,260 meters of striping and overlay on existing structures and 1,000 meters of striping and paving of roadway.

Falsework will severely limit the vertical and horizontal clearances of an existing access road leading from the Pier 7 campus to the new WB SFOBB. 24/7 access to this road is contractually obligated to the Contractor of the SAS Project (04-0120F4) per that Contract Special Provisions. Additionally, emergency vehicles use this road for ingress and egress to the jobsite. An alternate road is required to maintain this access. Thus construction of this temporary detour, including trestle, for site access is required.

Compensation for inspection, maintenance and repair of the temporary detour shall be paid as extra work at unit price of \$ 415.08 per day for an estimated duration of 168 days. Compensation for the construction and removal of the temporary detour shall be paid as extra work at agreed lump sum of \$883,831.47. The total of the Unit Price and Lump Sum is \$953,561.55, which can be financed from the contingency funds.

A cost analysis is on file at the Resident Engineer's Office.

Consideration of a time adjustment will be deferred pending completion of the specified work.

Maintenance concurrence is not required as this change affects a temporary structure and doesn't affect any permanent roadway features.

CONCURRED BY:			ESTIMATE OF COST		
Construction Engineer: JEANNIE BALDERRAMOS	Date 9-6-12		THIS REQUEST	TOTAL TO DATE	
Bridge Engineer: GARY J LAI	Date 9-7-2012	ITEMS	\$0.00	\$0.00	
Project Engineer: GABRIEL TCRUZ	Date 9-7-2012	FORCE ACCOUNT	\$0.00	\$0.00	
Project Manager: KEN TERPSTRA	Date 9-18-2012	AGREED PRICE	\$953,561.55	\$953,561.55	
FHWA Rep.:	Date	ADJUSTMENT	\$0.00	\$0.00	
Environmental:	Date	TOTAL	\$953,561.55	\$953,561.55	
Other (specify):	Date	FEDERAL PARTICIPATION			
Other (specify):	Date	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING			
District Prior Approval By:	Date	FEDERAL SEGREGATION (If more than one Funding Source or P.I.P. type)			
HQ (Issue Approve) By: LARRY SALHANEY	Date 9/6/2012	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS			
Resident Engineer's Signature:	Date 9-6-12	FEDERAL FUNDING SOURCE	PERCENT		

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO: 36	Suppl. No. 0	Contract No. 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: FLATRION WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Extra Work at Lump Sum:

Construct concrete reveal pedestals and keys at Piers E20R, E21R & E22R as shown on the added plan sheet no. 608AS of 744, Eastbound Piers Details No. 7A and as directed by the Engineer.

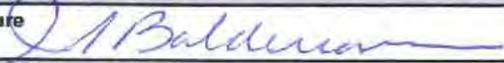
For this work, the contractor will be paid the sum of \$77,385.08, this sum constitutes full compensation, including markups, for this change.

Cost of Extra Work at Agreed Lump Sum\$77,385.08

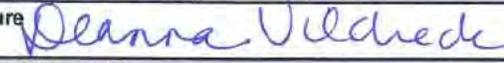
Estimated Cost: Increase Decrease \$77,385.08

By reason of this order the time of completion will be adjusted as follows: Deferred

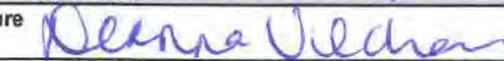
Submitted by

Signature 	Resident Engineer JEANNIE BALDERRAMOS	Date 4/22/13
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Approval Recommended by

Signature 	Area Construction Manager DEANNA VILCHECK	Date 4/23/13
---	--	--------------

Engineer Approval by

Signature 	Area Construction Manager DEANNA VILCHECK	Date 5/3/13
---	--	-------------

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

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by

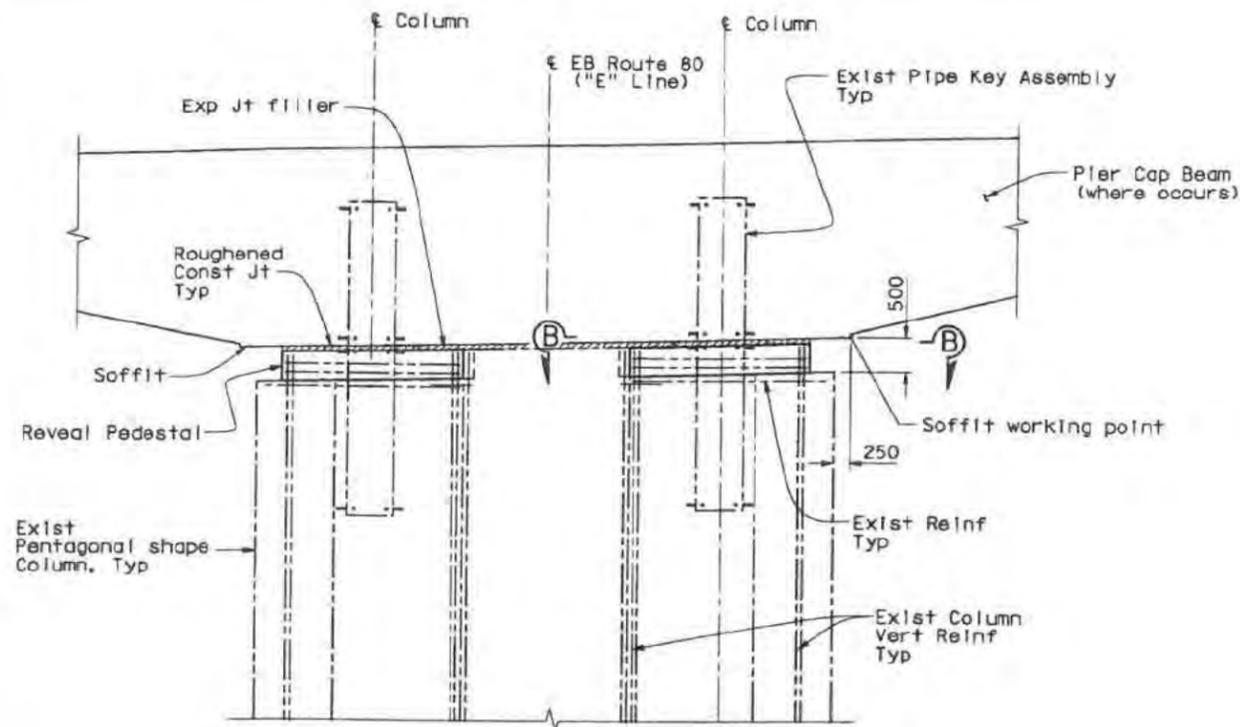
Signature 	(Print name and title) F. DARIAS U.P.	Date 5/2/13
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DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	80	1.6/2.7	60BAS	744

Mohan
 REGISTERED ENGINEER - CIVIL
 No. 57694
 Exp. 6/30/14
 CIVIL
 STATE OF CALIFORNIA

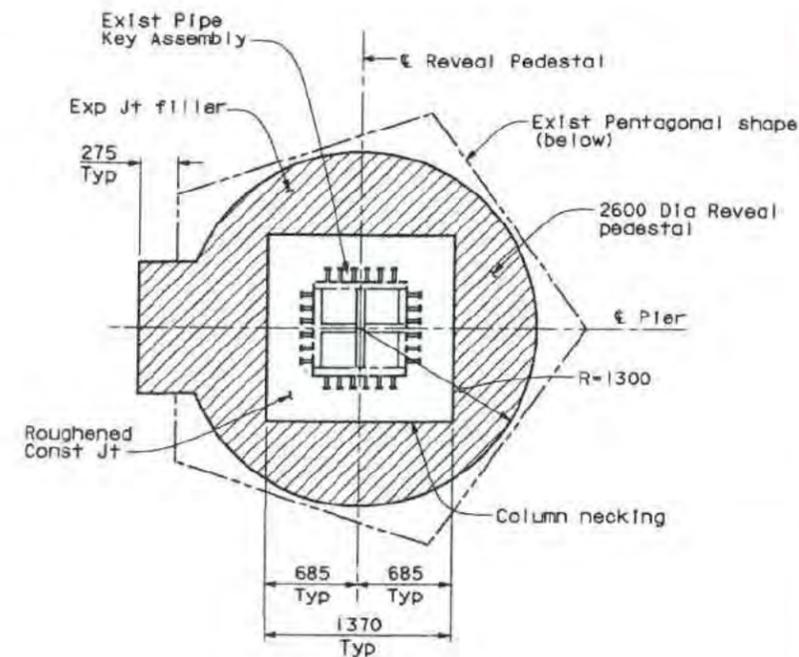
T.Y. LIN / MOFFATT & NICHOL
 TWO HARRISON STREET, SUITE 500
 SAN FRANCISCO, CA 94105
 AECOM TECHNICAL SERVICES INC.
 999 TOWN & COUNTRY ROAD
 ORANGE, CA 92868



PIERS E20R THRU E22R PART ELEVATION

1:50

For Reveal Pedestal Reinforcement, see "Reveal Pedestal Detail".



SECTION B-B

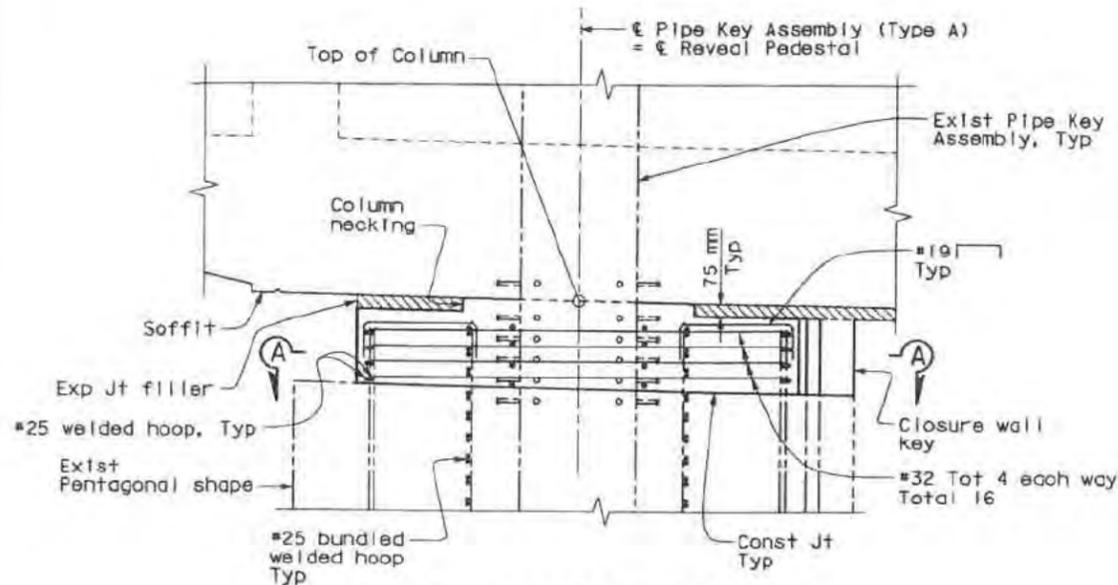
1:25

Location	*Left Column	*Right Column
Pier E20R	7.113 m	7.019 m
Pier E21R	6.415 m	6.265 m
Pier E22R	5.756 m	5.561 m

* Looking Upstation

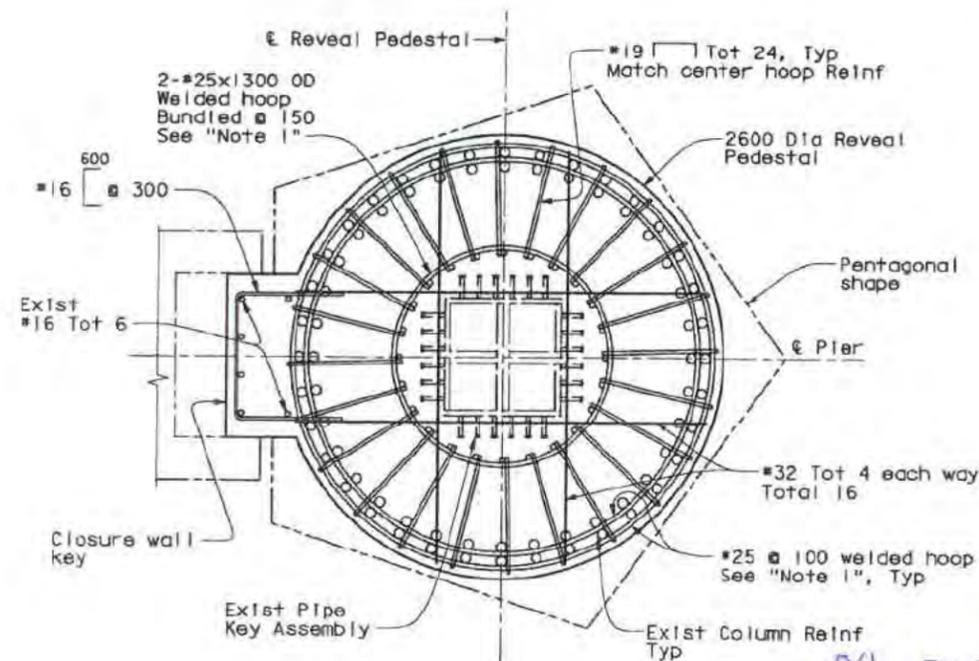
Notes:

- The Contractor shall verify all existing reinforcing steel details before ordering or fabricating any materials.
- All reinforcement shall be epoxy coated prefabricated reinforcement with purple coating.



REVEAL PEDESTAL DETAIL

1:20



SECTION A-A

1:20

04-0120M4
 SUPPLEMENTAL SHEET
 CONTRACT CHANGE ORDER NO. 36
 SHEET 2 OF 2

DESIGN OVERSIGHT
 HASAN EL-NAZIR
 8/21/2012

DESIGN	BY T. DUDLEY	CHECKED M. CHAR
DETAILS	BY R. ANDRASEE	CHECKED T. DUDLEY
QUANTITIES	BY	CHECKED

PREPARED FOR THE
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

MOHAN S. CHAR
 PROJECT ENGINEER
 BRIDGE NO. 34-0006R
 KILOMETER POST 2.1

SAN FRANCISCO OAKLAND BAY BRIDGE
 EAST SPAN SEISMIC SAFETY PROJECT
OAKLAND APPROACH STRUCTURES - PHASE 2
EASTBOUND PIER DETAILS NO. 7A

Rev. Date 5-10-98



CU 04
 EA 0120M1

DISREGARD PRINTS BEARING EARLIER REVISION DATES	8/18/12	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET 36AS	OF 109
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DATE PLOTTED -> 8/20/2012 4:09:57 PM

CONTRACT CHANGE ORDER MEMORANDUM

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS		FILE: E.A. 04 - 0120M4	
FROM: JEANNIE BALDERRAMOS		CO-RTE-PM 04-ALA-80-1.6/2.7	
		FED. NO. NO FED AID	
CCO#: 36	SUPPLEMENT#: 0	Category Code: CHPT	CONTINGENCY BALANCE (incl. this change) \$553,216.62
COST: \$77,385.08	INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>	HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
SUPPLEMENTAL FUNDS PROVIDED: \$0.00		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CCO DESCRIPTION: Collar & Key on Columns E20, E21 & E22		PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM	
Original Contract Time: 1140 Day(s)	Time Adj. This Change: DEF Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)	Percentage Time Adjusted: (including this change) 0 %
		Total # of Unreconciled Deferred Time CCO(s): (including this change) 0	

THIS CHANGE ORDER PROVIDES FOR:

Construct concrete reveal pedestals and keys at Piers E20R, E21R & E22R as shown on Sheet 608AS/744, Eastbound Piers Details No. 7A.

The Oakland Touchdown 2 (OTD2) completes the Oakland Mainland connector of the east span of the San Francisco Oakland Bay Bridge (SFOBB). The project is about 3,200 meters in length with a new eastbound structure comprised of concrete box girder bridge, approximately 26 meters wide, 40 meters high and 140 meters in length. Also included is 2,260 meters of striping and overlay on existing structures and 1,000 meters of striping and paving of roadway.

The completion of the Eastbound Frame of the San Francisco Oakland Bay Bridge on this contract requires the construction of a cast-in-place concrete box girder on top of piers previously cast on another contract. Piers E20R through E22R were cast without the reveal pedestals and keys. This detail was not included on the current plan set. This change orders adds the required work into the contract.

Compensation shall be paid as extra work at agreed lump sum at amount of \$77,385.08, which shall be financed from the contract's contingency funds. A cost analysis is on file.

This change is work that was directed by Office of Structure Design and has been discussed with Hasan El-Natur and Ade Akinsanya of Toll Bridge Design and Lina Ellis of Structures Maintenance and Investigation and they are in agreement.

Any adjustment of contract time is deferred as the change may affect the controlling operation.

CONCURRED BY:		ESTIMATE OF COST	
Construction Engineer: JEANNIE BALDERRAMOS <i>JB</i>	Date: 2/5/13	THIS REQUEST	TOTAL TO DATE
Bridge Engineer: GARY J LAI <i>GJL</i>	Date: 01/22/13	ITEMS	\$0.00
Project Engineer: GABRIEL TCRUZ	Date: 1/8/13	FORCE ACCOUNT	\$0.00
Project Manager: KEN TERPSTRA <i>KT</i>	Date: 2/20/13	AGREED PRICE	\$77,385.08
FHWA Rep.:	Date:	ADJUSTMENT	\$0.00
Environmental:	Date:	TOTAL	\$77,385.08
Other (specify): Jaime Gutierrez Sr. Dgn Engr	Date: 1/8/13	FEDERAL PARTICIPATION	
Other (specify):	Date:	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING	
District Prior Approval By:	Date:	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
HQ (Issue Approve) By:	Date:	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS	
Resident Engineer's Signature: <i>J. Balderramos</i>	Date: 3/18/13	FEDERAL FUNDING SOURCE	PERCENT

CONTRACT CHANGE ORDER MEMORANDUM

DATE: 8/22/2012 Page 1 of 2

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS <i>DEC 2012 DV</i>			FILE: E.A. 04 - 0120M4
FROM: JEANNIE BALDERRAMOS			CO-RTE-PM 04-ALA-80-1.6/2.7
			FED. NO. NO FED AID
CCO# 37	SUPPLEMENT#: 0	Category Code: CDPN	CONTINGENCY BALANCE (incl. this change) \$2,932,743.91
COST: \$632,800.00	INCREASE <input checked="" type="checkbox"/>	DECREASE <input type="checkbox"/>	HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
SUPPLEMENTAL FUNDS PROVIDED: \$0.00			IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
CCO DESCRIPTION: Additional Roadway Excavation			PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)	Percentage Time Adjusted: (including this change) 0 %
			Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

Adjustments to costs, revisions to character of the work and increases in quantities for Roadway Excavation.

The Oakland Touchdown 2 (OTD2) completes the Oakland Mainland connector of the east span of the San Francisco Oakland Bay Bridge (SFOBB). The project is about 3,200 meters in length with a new East Bound structure comprised of concrete box girder bridges each approximately 26 meters wide, 40 meters high and 140 meters in length. Also included is 2,260 meters of striping and overlay on existing structures and 1,000 meters of striping and paving of roadway.

THIS CHANGE ORDER PROVIDES FOR:

Revise site grading per revised contract drawings 62R1 and 63R1, including adding contour grading and grading area between the new MN and MS1 line located underneath the new eastbound bridge structure. Excess soil will be hauled off site, adding approximately 4,000 M3 to contract item 66 ROADWAY EXCAVATION (TYPE H).

For designated portions of the Type H soil: Instead of the initially planned excavate and haul off directly, the contractor will excavate and stockpile this material, then collect soil samples and perform laboratory analyses. Upon review and approval by the engineer, the designated material will be hauled to the District 4 Truck Scales Project in Cordelia (Caltrans Contract No. 04-0A5354), in accordance with the California Environmental Protection Agency Department of Toxic Substances Control Variance No. V09HQSCD006 (Variance is available at <http://www.dot.ca.gov/hq/env/haz/pdfs/adl/h295.pdf>).

REASONS FOR CHANGE:

Caltrans design has revised drawings to include additional contour grading and grading area between the new MN and MS1 line located underneath the new eastbound bridge structure. This change was requested by Jaime Gutierrez, District Branch Chief, Office of Toll Bridge Design in a memo dated September 19, 2012.

Additional on-site stockpiling, sampling and testing are required to properly handle the soil involved. The material involved has been categorized as primarily Aerially Deposited Lead bearing soil (ADL soil).

In an email dated October 12, 2012 (copy attached), Allen Baradar, Office Chief, District Office of Environmental Engineering, Division of Environmental Planning and Engineering, stated that based on all available information, it is the professional opinion of his office that excavated soil can be safely handled and buried according to the terms and engineering controls of the California Environmental Protection Agency Department of Toxic Substances Control Variance No. V09HQSCD006 (available at <http://www.dot.ca.gov/hq/env/haz/pdfs/adl/h295.pdf>) with no added risk.

In accordance with this and other project cost, schedule, and risk considerations, as outlined in another email dated October 12, 2012 (copy attached) by Dragomir Bogdanic, MS., PE., Branch Chief, Construction Hazardous and Storm Water Coordinator, Division of Construction, Office of Environmental Engineering Support, Caltrans District 4, the material will be hauled to and encapsulated at another Caltrans project -- the District 4 Truck Scales Project in Cordelia (Caltrans Contract No. 04-0A5354).

This work will be performed as extra work for increase in contract items at contract unit prices for an estimated cost of \$540,000; plus Adjustment in Compensation at Agreed Unit Price of \$92,800; for a total Change Order cost of \$632,800,

CONTRACT CHANGE ORDER MEMORANDUM

which can be financed from the contingency fund.

By reason of this order the time of completion will remain unchanged (zero days) as it does not effect the controlling operations.

Approval of this change order is recommended by the Resident Engineer.

CONCURRED BY:		ESTIMATE OF COST									
Construction Engineer:	JEANNIE BALDERRAMOS <i>JB</i>	Date	11-7-12								
Bridge Engineer:		Date									
Project Engineer:	GABRIEL TCRUZ	Date									
Project Manager:	KEN TERPSTRA	Date									
FHWA Rep.:		Date									
Environmental:		Date									
Other (specify):		Date									
Other (specify):		Date									
District Prior Approval By:		Date									
HQ (Issue Approve) By:		Date									
Resident Engineer's Signature:	<i>J. A. Balderamos</i>	Date	11/7/12								
		FEDERAL PARTICIPATION <input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING									
		FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type) <input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS									
		<table border="0"> <thead> <tr> <th>FEDERAL FUNDING SOURCE</th> <th>PERCENT</th> </tr> </thead> <tbody> <tr> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> </tr> </tbody> </table>		FEDERAL FUNDING SOURCE	PERCENT	_____	_____	_____	_____	_____	_____
FEDERAL FUNDING SOURCE	PERCENT										
_____	_____										
_____	_____										
_____	_____										

CONTRACT CHANGE ORDER MEMORANDUM

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS <i>OC 2012 DV</i>			FILE: E.A. 04 - 0120M4
FROM: JEANNIE BALDERRAMOS			CO-RTE-PM 04-ALA-80-1.6/2.7
			FED. NO. NO FED AID
CCO# 37	SUPPLEMENT#: 0	Category Code: CDPN	CONTINGENCY BALANCE (incl. this change) \$2,932,743.91
COST: \$632,800.00		INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>	HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
SUPPLEMENTAL FUNDS PROVIDED: \$0.00		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CCO DESCRIPTION: Additional Roadway Excavation		PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM	
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)	Percentage Time Adjusted: (including this change) 0 %
			Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

Adjustments to costs, revisions to character of the work and increases in quantities for Roadway Excavation.

The Oakland Touchdown 2 (OTD2) completes the Oakland Mainland connector of the east span of the San Francisco Oakland Bay Bridge (SFOBB). The project is about 3,200 meters in length with a new East Bound structure comprised of concrete box girder bridges each approximately 26 meters wide, 40 meters high and 140 meters in length. Also included is 2,260 meters of striping and overlay on existing structures and 1,000 meters of striping and paving of roadway.

THIS CHANGE ORDER PROVIDES FOR:

Revise site grading per revised contract drawings 62R1 and 63R1, including adding contour grading and grading area between the new MN and MS1 line located underneath the new eastbound bridge structure. Excess soil will be hauled off site, adding approximately 4,000 M3 to contract item 66 ROADWAY EXCAVATION (TYPE H).

For designated portions of the Type H soil: Instead of the initially planned excavate and haul off directly, the contractor will excavate and stockpile this material, then collect soil samples and perform laboratory analyses. Upon review and approval by the engineer, the designated material will be hauled to the District 4 Truck Scales Project in Cordelia (Caltrans Contract No. 04-0A5354), in accordance with the California Environmental Protection Agency Department of Toxic Substances Control Variance No. V09HQSCD006 (Variance is available at <http://www.dot.ca.gov/hq/env/haz/pdfs/adl/h295.pdf>).

REASONS FOR CHANGE:

Caltrans design has revised drawings to include additional contour grading and grading area between the new MN and MS1 line located underneath the new eastbound bridge structure. This change was requested by Jaime Gutierrez, District Branch Chief, Office of Toll Bridge Design in a memo dated September 19, 2012.

Additional on-site stockpiling, sampling and testing are required to properly handle the soil involved. The material involved has been categorized as primarily Aerially Deposited Lead bearing soil (ADL soil).

In an email dated October 12, 2012 (copy attached), Allen Baradar, Office Chief, District Office of Environmental Engineering, Division of Environmental Planning and Engineering, stated that based on all available information, it is the professional opinion of his office that excavated soil can be safely handled and buried according to the terms and engineering controls of the California Environmental Protection Agency Department of Toxic Substances Control Variance No. V09HQSCD006 (available at <http://www.dot.ca.gov/hq/env/haz/pdfs/adl/h295.pdf>) with no added risk.

In accordance with this and other project cost, schedule, and risk considerations, as outlined in another email dated October 12, 2012 (copy attached) by Dragomir Bogdanic, MS., PE., Branch Chief, Construction Hazardous and Storm Water Coordinator, Division of Construction, Office of Environmental Engineering Support, Caltrans District 4, the material will be hauled to and encapsulated at another Caltrans project -- the District 4 Truck Scales Project in Cordelia (Caltrans Contract No. 04-0A5354).

This work will be performed as extra work for increase in contract items at contract unit prices for an estimated cost of \$540,000; plus Adjustment in Compensation at Agreed Unit Price of \$92,800; for a total Change Order cost of \$632,800,

CONTRACT CHANGE ORDER MEMORANDUM

which can be financed from the contingency fund.

By reason of this order the time of completion will remain unchanged (zero days) as it does not effect the controlling operations.

Approval of this change order is recommended by the Resident Engineer.

KA

CONCURRED BY:		ESTIMATE OF COST									
Construction Engineer: JEANNIE BALDERRAMOS <i>JB</i>	Date 11-7-12	ITEMS	THIS REQUEST TOTAL TO DATE								
Bridge Engineer:	Date	FORCE ACCOUNT	\$540,000.00 \$540,000.00								
Project Engineer: GABRIEL TCRUZ	Date 11/08	AGREED PRICE	\$0.00 \$0.00								
Project Manager: KEN TERPSTRA <i>KT</i>	Date 12/5/12	ADJUSTMENT	\$92,800.00 \$92,800.00								
FHWA Rep.:	Date	TOTAL	\$0.00 \$0.00								
Environmental: <i>Allen Baradar / Prashant Bhatnagar</i>	Date 10/12	FEDERAL PARTICIPATION									
Other (specify): <i>JAIME GUTIERREZ</i>	Date 11/08	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING									
Other (specify):	Date	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)									
District Prior Approval By:	Date	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS									
HQ (Issue Approve) By:	Date	<table border="0"> <tr> <td>FEDERAL FUNDING SOURCE</td> <td>PERCENT</td> </tr> <tr> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> </tr> </table>		FEDERAL FUNDING SOURCE	PERCENT	_____	_____	_____	_____	_____	_____
FEDERAL FUNDING SOURCE	PERCENT										
_____	_____										
_____	_____										
_____	_____										
Resident Engineer's Signature: <i>J. A. Balderamos</i>	Date 11/7/12										

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO 37	Suppl. No. 0	Contract No 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: FLATRION WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Revise site grading per revised contract drawings 62R1 and 63R1 (Attached sheets 3 and 4 of this change order), including adding contour grading as shown, and grading area between the new MN and MS1 line located underneath the new eastbound bridge structure. Excess soil will be hauled off site.

For portions of the Type H soil as designated by the Engineer: The contractor will excavate and stockpile this material, segregating it as required on the site. The contractor will collect soil samples as directed, and perform laboratory analyses as directed. Upon review and approval by the engineer, the contractor will haul designated material to the District 4 Truck Scales Project in Cordelia (Caltrans Contract No. 04-0A5354), in accordance with the California Environmental Protection Agency Department of Toxic Substances Control Variance No. V09HQSCD006.

Estimate of Increase in Contract Item at Contract Price:

Item No. 11: TEMPORARY COVER				
16000 M2	(+361.17%)	\$2.50 /M2	+\$40,000.00	(+361.17%)
Item No. 66: ROADWAY EXCAVATION (TYPE H)				
4000 M3	(+35.71%)	\$125.00 /M3	+\$500,000.00	(+35.71%)

Any adjustment in compensation due in accordance to Section 4-1.03B(1) "Increases of More than 25 percent", of the standard specifications for the above items is included in the adjustment in compensation at Agreed Unit Price included below, and no further adjustment in compensation will be made.

Estimated total cost for Increase in Contract Item.....\$540,000.00

Extra Work at Unit Price:

Additional cost for ROADWAY EXCAVATION (Type H) material to be transported and placed at Cordelia Contract 04-0A5354 site:

10,000 M3 AT \$9.28 / m3 = \$92,800.00

This unit price will be paid in addition to the payment made for this material under contract line item 66.

Estimate of Adjustment in Compensation at Agreed Unit Price..... \$ 92,800.00

The additional unit price includes the cost of additional handling and stockpiling, loading and hauling the soil to the site of Contract 04-0A5354 in Cordelia, California, dumping and placing the material at locations on the Contract 04-0A5354 site as designated by the Engineer.

This unit price includes the required collection of additional field samples and laboratory analytical testing, including providing compiled reports to the Engineer. All truck loads will be covered with a tarp or equivalent approved covering device during transport on the public right of way.

The price includes the cost for coordination of the hauling to the site, as directed by the Engineer, and the cost of flaggers for this operation.

The price includes any cost borne by the contractor for placing of the soil that is hauled to the Cordelia site, including any required additional grading at the Cordelia site to prepare or cap the soil; any surveying or designing to adjust contours at the Cordelia site to meet the satisfaction of the Engineer; and all work required for preparation and submittal of any Aerially Deposited Lead (ADL) burial report at the Cordelia site.

Stormwater Pollution Prevention (SWPP) measures for this portion of the work: the contractor will provide all additional

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO 37	Suppl. No. 0	Contract No 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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required SWPP Best Management Practices (BMP) measures as required by this change, including providing and covering stockpiles with acceptable covers, maintenance of the covers, and disposal or removal from the site of the used cover material after the stockpiles are hauled off. BMP measures will be paid for at the corresponding contract unit prices (items 8 through 15). The cost of any other SWPP measures (such as updating the SWPP Plan, additional Street Sweeping, or other) is included in the agreed unit price for the new item.

Measurement: It is considered impractical to measure the quantity for the new adjustment in compensation item added by this change order in accordance with Standard Specification Section 19-2.08 MEASUREMENT. For this new item, the quantities will be measured using one of the following calculations:

- If the trucks hauling off the material are weighed, the conversion from weight to volume will be calculated as 2.12 tons (or 1,923 kilograms) per cubic meter (M3). This will be the first choice of method of measurement.
- If the trucks hauling off the material are not weighed, then each fully loaded semi dump truck will be calculated to contain 9.2 cubic meters (M3) of material. This will be the second choice of method of measurement.

The agreed unit price for this new item, along with the contract pay items, constitutes full and complete compensation, including all markups, for these changes.

The agreed price excludes the cost for local waste tax, fee or surcharge (such as the Alameda County Facility Fee); any such local tax, fee or surcharge will be reimbursed to the contractor separately.

KA
 Estimated Cost: Increase Decrease \$632,800.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by

Signature <i>J. A. Balderramos</i>	Resident Engineer JEANNETTE BALDERRAMOS	Date 11-7-12
------------------------------------	--	-----------------

Approval Recommended by

Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 11-7-12
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Engineer Approval by

Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 11/30/12
----------------------------------	--	------------------

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

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by

Signature <i>[Signature]</i>	(Print name and title) F. DAVIES U.P.	Date 11/27/12
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6F

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
△	8/29/12	ADDITIONAL CONTOUR GRADING	GT	JG	
REVISIONS					

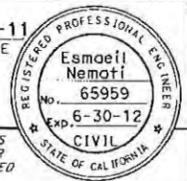
CONTRACT CHANGE ORDER No. _____
SHEET OF _____



Gabriel Torrez
FOR REVISION ONLY



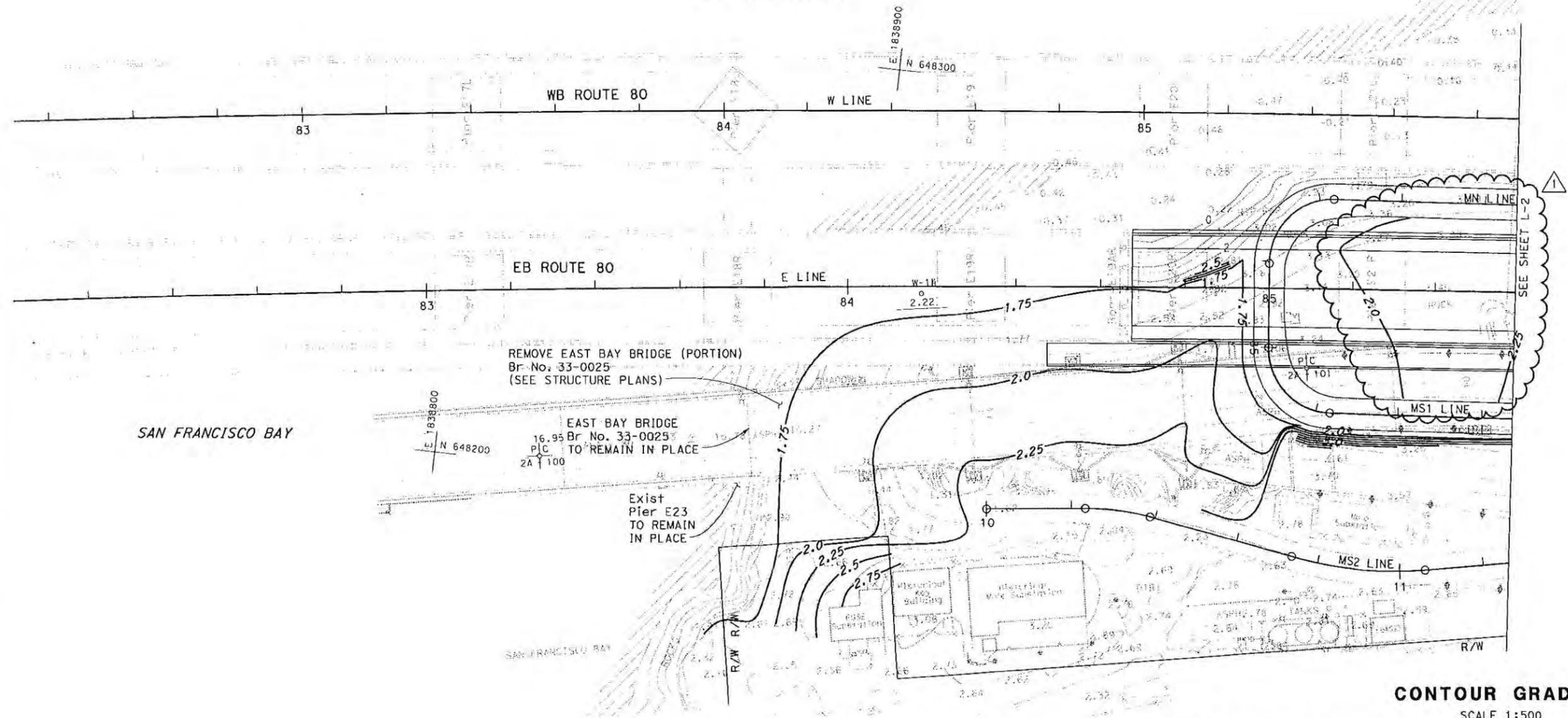
DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Alameda	80	1.6/2.7	62R1	744
REGISTERED CIVIL ENGINEER			DATE		
Esmoel Nemati			9-13-11		
PLANS APPROVAL DATE					
10-3-11					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					



COORDINATE VALUES SHOWN ARE CCS ZONE 3W

OAKLAND

SAN FRANCISCO BAY



CONTOUR GRADING
SCALE 1:500

THIS PLAN ACCURATE FOR CONTOUR GRADING WORK ONLY
ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

G-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TOLL BRIDGE
 FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
 CALCULATED/DESIGNED BY: [blank]
 CHECKED BY: [blank]
 REVISIONS BY: [blank]
 DA: [blank]
 REVISOR: [blank]
 DATE: [blank]
 DESIGNED BY: ESMAEIL NEMATI
 CHECKED BY: ANNA G. URETA

LAST REVISION DATE PLOTTED => 31-AUG-2012
 08/29/12 TIME PLOTTED => 10:59

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
▲	8/29/12	ADDITIONAL CONTOUR GRADING	GT	JG	
REVISIONS					

CONTRACT CHANGE ORDER No. _____
SHEET _____ OF _____



Gabriel Teruz
FOR REVISION ONLY

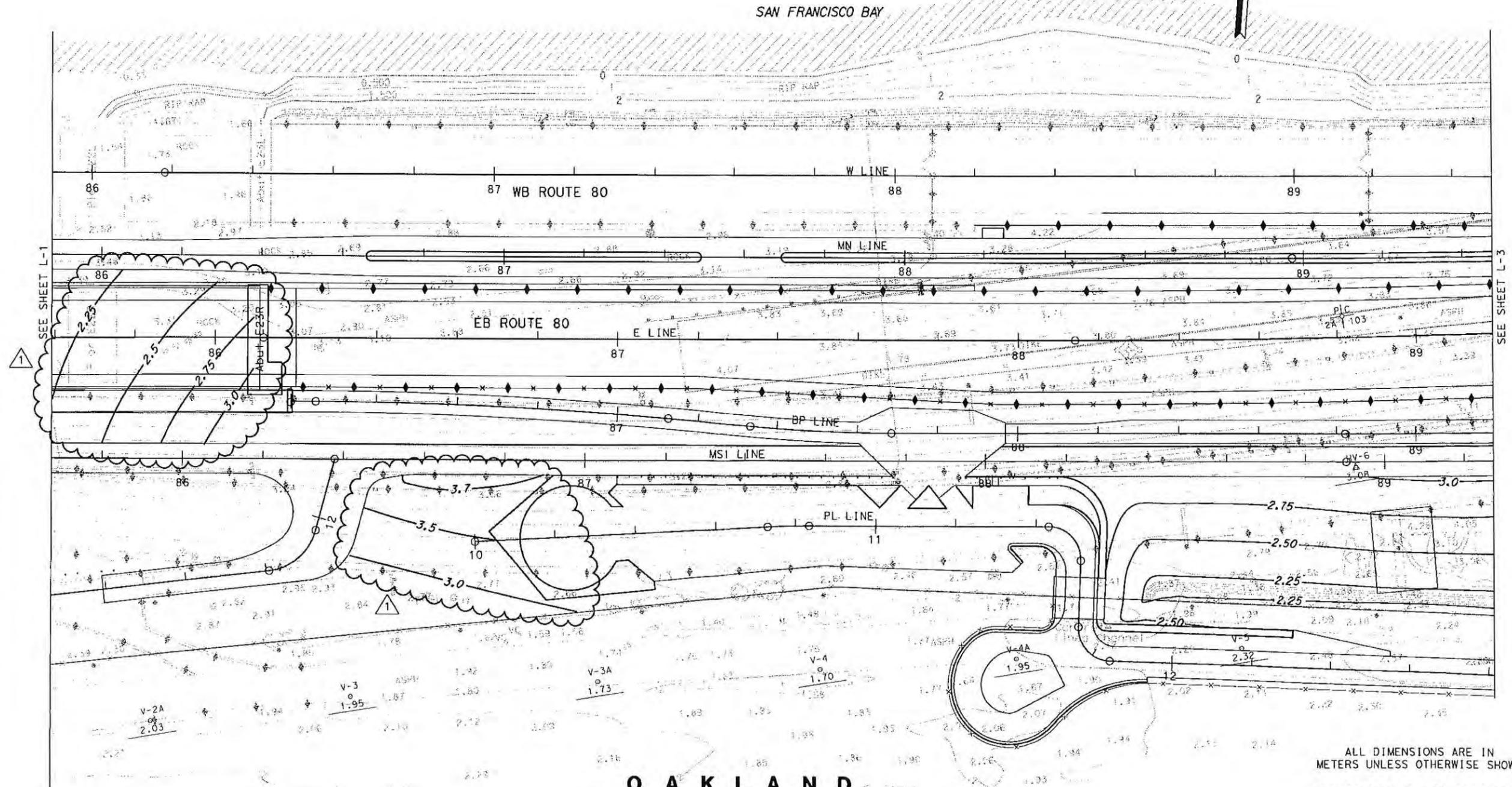
E 1839300
N 648400



Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	63R1	744
REGISTERED CIVIL ENGINEER			DATE		
<i>Esmail Nemati</i>			9-13-11		
PLANS APPROVAL DATE					
10-3-11					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR BY
Caltrans TOLL BRIDGE	JAIME E. GUTIERREZ	ESMAEL NEMATI	ANNA G. URETA
		CHECKED BY	DATE REVISED



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN
CONTOUR GRADING
SCALE 1:500

FOR NOTES, ABBREVIATIONS &/OR LEGEND, SEE SHEET G-1

THIS PLAN ACCURATE FOR CONTOUR GRADING WORK ONLY

G-2

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO 38	Suppl. No. 0	Contract No 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: FLATRION WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Extra Work at Force Account:

Contractor is to provide power from existing Service Platform 23 to Temporary Guard Shack as directed by Engineer.

Work includes temporary modifications to panel at Service Platform and restoration of panel after removal of Temporary Guard Shack.

Estimated cost of Extra Work at Force Account\$40,000.00

Estimated Cost: Increase Decrease \$40,000.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by

Signature <i>[Signature]</i>	Resident Engineer	JEANNETTE BALDERRAMOS	Date 26 Dec 2012
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Approval Recommended by

Signature <i>[Signature]</i>	Area Construction Manager	DEANNA VILCHECK	Date 2/5/13
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Engineer Approval by

Signature <i>[Signature]</i>	Area Construction Manager	DEANNA VILCHECK	Date 3/18/13
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We the undersigned contractor, have given careful consideration to the change proposed and agree if this proposal is approved, that we will provide all equipment, furnish the materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by

Signature <i>[Signature]</i>	(Print name and title)	<i>[Signature]</i>	Date 3/17/13
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GRA

CONTRACT CHANGE ORDER MEMORANDUM

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS		FILE: E.A. 04 - 0120M4
FROM: JEANNIE BALDERRAMOS		CO-RTE-PM 04-ALA-80-1.6/2.7
		FED. NO. NO FED AID
CCO# 38	SUPPLEMENT#: 0	Category Code: CKTD
CONTINGENCY BALANCE (incl. this change) \$400,216.62		
COST: \$40,000.00	INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>	HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
SUPPLEMENTAL FUNDS PROVIDED: \$0.00		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
CCO DESCRIPTION: Power to New Guard Shack		PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)
Percentage Time Adjusted: (including this change) 0 %		Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

Provide power to new temporary guard shack on Westbound Structure.

The Oakland Touchdown 2 (OTD2) completes the Oakland Mainland connector of the east span of the San Francisco Oakland Bay Bridge (SFOBB). The project is about 3,200 meters in length with a new eastbound structure comprised of concrete box girder bridge, approximately 26 meters wide, 40 meters high and 140 meters in length. Also included is 2,260 meters of striping and overlay on existing structures and 1,000 meters of striping and paving of roadway.

Contractor is to provide power from existing Service Platform 23 to Temporary Guard Shack as directed by Engineer. Work includes temporary modifications to panel at Service Platform and restoration of panel after removal of Temporary Guard Shack.

This work will be performed as Extra Work as Force Account for an estimated cost of \$40,000.00, which shall be financed from the contract's contingency funds. A cost analysis is on file.

Maintenance concurrence is not required as this change doesn't affect any permanent roadway features.

No adjustment of contract time is warranted, as this change will not affect the controlling operation.

This change was requested by Construction.

CONCURRED BY:		ESTIMATE OF COST	
Construction Engineer: JEANNIE BALDERRAMOS <i>JB</i>	Date <i>2-5-13</i>	THIS REQUEST	TOTAL TO DATE
Bridge Engineer:	Date	ITEMS	\$0.00
Project Engineer: GABRIEL TCRUZ	Date <i>2/4/13</i>	FORCE ACCOUNT	\$40,000.00
Project Manager: KEN TERPSTRA <i>KT</i>	Date <i>2/24/13</i>	AGREED PRICE	\$0.00
FHWA Rep.:	Date	ADJUSTMENT	\$0.00
Environmental:	Date	TOTAL	\$40,000.00
Other (specify): JAIME GUTIERREZ Sr. Dgn Engr	Date <i>2/4/13</i>	FEDERAL PARTICIPATION	
Other (specify):	Date	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING	
District Prior Approval By:	Date	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
HQ (Issue Approve) By:	Date	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS	
Resident Engineer's Signature:	Date	FEDERAL FUNDING SOURCE	PERCENT
<i>J Balderramos</i>	<i>3/18/13</i>		

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO: 39	Suppl. No. 0	Contract No. 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: FLATRION WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Extra Work at Force Account:

Provide trestle lighting on a force account basis per Special Provisions 5-1.11 Force Account Payment and Standard Specifications (as amended) Section 4-1.03 Changes and Section 9-1.03 Force Account Payment.

Work includes furnishing all labor, material, and equipment to install and modify lighting on the trestle as directed by the Engineer. Work also includes restoration of Service Platform, as directed by the Engineer, where power for trestle lighting is available.

Estimated cost of Extra Work at Force Account\$50,000.00

Estimated Cost: Increase Decrease \$50,000.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by

Signature <i>Jeannie Balderramos</i>	Resident Engineer	JEANNIE BALDERRAMOS	Date 12-18-2012
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Approval Recommended by

Signature <i>Jeannie Balderramos</i>	Construction Engineer	JEANNIE BALDERRAMOS	Date 12-18-12
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Engineer Approval by

Signature <i>J Balderramos</i>	Construction Engineer	JEANNIE BALDERRAMOS	Date 2-5-13
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We the undersigned contractor, have given careful consideration to the change proposed and agree, if this proposal is approved, that we will provide all equipment, furnish the materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by

Signature <i>[Signature]</i>	(Print name and title) <i>FLATRION V.P</i>	Date 12/28/12
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612

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
CONTRACT CHANGE ORDER MEMORANDUM

DATE: 8/22/2012 Page 1 of 1

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS		FILE: E.A. 04 - 0120M4
FROM: JEANNIE BALDERRAMOS		CO-RTE-PM 04-ALA-80-1,6/2.7
CCO# 39 SUPPLEMENT#: 0 Category Code: CBTD		FED. NO. NO FED AID
COST: \$50,000.00 INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>		CONTINGENCY BALANCE (incl. this change) \$630,601.70
SUPPLEMENTAL FUNDS PROVIDED: \$0.00		HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
CCO DESCRIPTION: Temporary Trestle Lighting		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM		
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)
		Percentage Time Adjusted: (including this change) 0 %
		Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

Provide lighting on the temporary trestle as directed by Engineer.

The Oakland Touchdown 2 (OTD2) completes the Oakland Mainland connector of the east span of the San Francisco Oakland Bay Bridge (SFOBB). The project is about 3,200 meters in length with a new eastbound structure comprised of concrete box girder bridge, approximately 26 meters wide, 40 meters high and 140 meters in length. Also included is 2,260 meters of striping and overlay on existing structures and 1,000 meters of striping and paving of roadway.

The Contractor shall furnish, install, and maintain lighting for the temporary trestle, which provides site access to the new westbound structure from Pier 7. Power is to be obtained from Westbound Service Platform. Compensation for this change shall be paid as extra work at force account for an estimated amount of \$50,000.00, which can be financed from the contingency funds. A cost analysis is on file at the Resident Engineer's Office.

This change does not require maintenance concurrence as this does not effect any permanent feature.

No adjustment of contract time is warranted, as this change will not affect the controlling operation.

This change was requested by Construction.

CONCURRED BY:		ESTIMATE OF COST	
Construction Engineer: JEANNIE BALDERRAMOS <i>JAB</i>	Date: 2-5-13	THIS REQUEST	TOTAL TO DATE
Bridge Engineer:	Date:	ITEMS	\$0.00
Project Engineer: GABRIEL TCRUZ	Date: 2/6	FORCE ACCOUNT	\$50,000.00
Project Manager: KEN TERPSTRA <i>KT</i>	Date: 2/19/13	AGREED PRICE	\$0.00
FHWA Rep:	Date:	ADJUSTMENT	\$0.00
Environmental:	Date:	TOTAL	\$50,000.00
Other (specify): Jaime Gutierrez Sr Dgn Engr	Date: 2/6/12	FEDERAL PARTICIPATION	
Other (specify):	Date:	<input type="checkbox"/> PARTICIPATING	<input type="checkbox"/> PARTICIPATING IN PART
District Prior Approval By:	Date:	<input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE)	<input checked="" type="checkbox"/> NONE
HQ (Issue Approve) By:	Date:	<input type="checkbox"/> NON-PARTICIPATING	
Resident Engineer's Signature: <i>JAB</i>	Date: 2/7/13	FEDERAL SEGREGATION: (if more than one Funding Source or P.I.P. type)	
		<input type="checkbox"/> CCO FUNDED PER CONTRACT	
		<input type="checkbox"/> CCO FUNDED AS FOLLOWS	
		FEDERAL FUNDING SOURCE	PERCENT

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO: 40	Suppl. No. 0	Contract No. 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: FLATIRON WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Adjustment of Compensation at Lump Sum:

Compensate the Contractor for the premium time portion of the labor during the placement of concrete in the superstructure of Bridge No. 34-006R.

For this work, the Contractor will be paid an adjustment of compensaiton at agreed lump sum of \$104,598.00. This sum constitutes full and complete compensation for furnishing all labor, material, tools and incidentals including all markups by reason of this change.

Cost of Adjustment of Compensation at Agreed Lump Sum\$104,598.00

Est: 05-13-13

Estimated Cost: Increase Decrease \$104,598.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by

Signature <i>J. Balderramos</i>	Resident Engineer JEANNIE BALDERRAMOS	Date 5/16-2013
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Approval Recommended by

Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 5/16/13
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Engineer Approval by

Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 5/28/13
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We the undersigned contractor, have given careful consideration to the change proposed and agree, if this proposal is approved, that we will provide all equipment, furnish the materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by

Signature <i>[Signature]</i>	(Print name and title) <i>F. DARRAS U.P.</i>	Date 5/23/13
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CRS/A

CONTRACT CHANGE ORDER MEMORANDUM

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS <i>JV</i>		FILE: E.A. 04 - 0120M4
FROM: JEANNIE BALDERRAMOS		CO-RTE-PM 04-ALA-80-1.6/2.7
		FED. NO. NO FED AID
CCO#: 40	SUPPLEMENT#: 0	Category Code: CJPU
CONTINGENCY BALANCE (incl. this change)		\$9,617,018.24
COST: \$104,598.00	INCREASE <input checked="" type="checkbox"/>	DECREASE <input type="checkbox"/>
HEADQUARTERS APPROVAL REQUIRED?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
SUPPLEMENTAL FUNDS PROVIDED: \$0.00		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
CCO DESCRIPTION: Premium Time for Concrete Pours		PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)
Percentage Time Adjusted: (including this change) 0 %		Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

Compensate the Contractor for the premium time portion of the labor during the placement of concrete in the superstructure of Bridge No. 34-006R.

The Oakland Touchdown Project Phase II (OTD2) provides for the construction of the last remaining concrete box girder frame of the Oakland Touchdown structure and the construction of the remaining eastern roadway approach as part of the new east span of the San Francisco Oakland Bay Bridge (SFOBB).

The Contractor had originally scheduled the concrete placement work for week day work; however, the Department requests that the concrete work to be perform on the weekends. Due to this change requested by the Department, the Contractor incurs premium labor costs, in overtime and double time pays, that they did not originally contemplate in their schedule. This change order provides for the difference in pay scales for the premium labor costs.

This work is not part of the original contract; therefore, compensation for this change shall be paid as adjustment in compensation at agreed lump sum for an amount of \$104,598.00, which can be financed from the contingency funds. A cost analysis and a C-93 are on file in the project records.

No time adjustment is warranted as this change order does not affect the controlling operation.

Maintenance concurrence is not required as this change doesn't affect any permanent roadway features.

CONCURRED BY:			ESTIMATE OF COST		
Construction Engineer: JEANNIE BALDERRAMOS <i>JVB</i>	Date: 5/13/13		THIS REQUEST		TOTAL TO DATE
Bridge Engineer: GARY J LAI <i>GJL</i>	Date: 05/13/13		ITEMS	\$0.00	\$0.00
Project Engineer: GABRIEL TCRUZ	Date: 5/21/13		FORCE ACCOUNT	\$0.00	\$0.00
Project Manager: KEN TERPSTRA <i>KT</i>	Date: 5/20/13		AGREED PRICE	\$0.00	\$0.00
FHWA Rep.:	Date:		ADJUSTMENT	\$104,598.00	\$104,598.00
Environmental:	Date:		TOTAL	\$104,598.00	\$104,598.00
Other (specify): JAIME GUTIERREZ SR DGN ENG	Date: 6/4/13		FEDERAL PARTICIPATION		
Other (specify):	Date:		<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING		
District Prior Approval By:	Date:		FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)		
HQ (Issue Approve) By:	Date:		<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS		
Resident Engineer's Signature: <i>J Balderramos</i>	Date: 6/11/13		FEDERAL FUNDING SOURCE PERCENT		

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO 41	Suppl. No. 0	Contract No 04 - 0120M4	Road 04-ALA-80-1 6/2.7	FED. AID LOC.: NO FED AID
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To: FLATRION WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Revise location drainage system 1g as shown on the following drawings:

- D-1 DRAINAGE PLAN (sheet 65r1)
- D-2 DRAINAGE PLAN (sheet 66r1)
- D-3 DRAINAGE PLAN (sheet 67r2)
- DP-1 DRAINAGE PROFILE (sheet 69r1)
- DP-3 DRAINAGE PROFILE (sheet 71r2)
- DP-4 DRAINAGE PROFILE (sheet 72r1)
- DQ-1 DRAINAGE QUANTITIES (sheet 79r1)
- DQ-3 DRAINAGE QUANTITIES (sheet 81r2)

There shall be no cost or credit to the state by reason of this change.

By reason of this order the time of completion will remain unchanged (zero days).

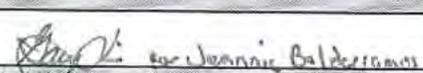
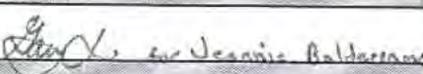
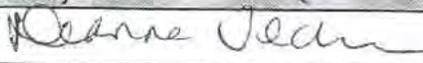
Item No. 120: MINOR CONCRETE (MINOR STRUCTURE)	0 M3 (+0.00%)	\$700.00 /M3	+\$0.00 (+0.00%)
Item No. 156: 450 MM PLASTIC PIPE	0 M (+0.00%)	\$265.00 /M	+\$0.00 (+0.00%)
Item No. 161: 450 MM PLASTIC FLARED END SECTION	0 EA (+0.00%)	\$600.00 /EA	+\$0.00 (+0.00%)

Relocate drainage system 1g. Work does not change quantities of unit price items.

Zero (0) cost this CCO.

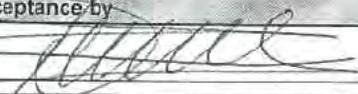
Estimated Cost: Increase Decrease \$0.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by		
Signature 	Resident Engineer JEANNIE BALDERRAMOS	Date 12/27/2011
Approval Recommended by		
Signature 	Construction Engineer JEANNIE BALDERRAMOS	Date 12/27/2011
Engineer Approval by		
Signature 	Area Construction Manager DEANNA VILCHECK	Date 2/4/13

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

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by		
Signature 	(Print name and title) F. DANIELS	Date 1/22/13

6 CA

CONTRACT CHANGE ORDER MEMORANDUM

DATE: 9/5/2012

Page 1 of 1

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS		FILE: E.A. 04 - 0120M4
FROM: JEANNIE BALDERRAMOS		CO-RTE-PM 04-ALA-80-1.6/2.7
CCO#: 41 SUPPLEMENT#: 0 Category Code: CCPN		FED. NO. NO FED AID
COST: \$0.00 INCREASE <input type="checkbox"/> DECREASE <input type="checkbox"/>		CONTINGENCY BALANCE (incl. this change) \$400,216.62
SUPPLEMENTAL FUNDS PROVIDED: \$0.00		HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
CCO DESCRIPTION: Revise Profile Inlet 1G		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
		PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)
		Percentage Time Adjusted: (including this change) 0 %
		Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

Revise location Drainage System 1g from the north side to the south side of the MN Line

The Oakland Touchdown 2 (OTD2) completes the Oakland Mainland connector of the east span of the San Francisco Oakland Bay Bridge (SFOBB). The project is about 3,200 meters in length with a new eastbound structure comprised of concrete box girder bridge, approximately 26 meters wide, 40 meters high and 140 meters in length. Also included is 2,260 meters of striping and overlay on existing structures and 1,000 meters of striping and paving of roadway.

To avoid any potential conflicts with the proposed "Reconstruct RSP" it is necessary to change the location of Drainage System 1g from north side to the south side of MN. Additionally, there are minor corrections and clarifications in the revised drainage plan sheets.

There shall be no cost or credit to the State by reason of this change.

This change was requested by Jaime Gutierrez, Office of Toll Bridge Design, on August 31, 2012.

No adjustment of contract time is warranted, as this change will not affect the controlling operation.

CONCURRED BY:		ESTIMATE OF COST	
Construction Engineer: JEANNIE BALDERRAMOS <i>JB</i> Date <i>1/31/12</i>		THIS REQUEST	TOTAL TO DATE
Bridge Engineer: _____ Date _____		ITEMS	\$0.00
Project Engineer: GABRIEL TCRUZ <i>GT</i> Date <i>2/5/12</i>		FORCE ACCOUNT	\$0.00
Project Manager: KEN TERPSTRA <i>KT</i> Date <i>9/16/12</i>		AGREED PRICE	\$0.00
FHWA Rep.: _____ Date _____		ADJUSTMENT	\$0.00
Environmental: _____ Date _____		TOTAL	\$0.00
Other (specify): Jaime Gutierrez Sr. Dgn Engr Date <i>2/1/13</i>		FEDERAL PARTICIPATION	
Other (specify): Lina Ellis, Struc Maintenance Date <i>2/7/13</i>		<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING	
District Prior Approval By: _____ Date _____		FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
HQ (Issue/Approve) By: _____ Date _____		<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS	
Resident Engineer's Signature: <i>J. A. Bulon</i> Date <i>2/14/13</i>		FEDERAL FUNDING SOURCE	PERCENT

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

NOTES:

- FOR ALL INLETS WITHIN THE ROADBED, SGD SHALL REFER TO INLET DEPRESSIONS AS SHOWN ON STD PLANS D78B WITH THICKNESS OF 200 mm UNLESS OTHERWISE NOTED. NOTE 4 IN STD PLAN D78B REGARDING ISOLATION JOINTS SHALL BE DELETED.
- ALL TIES TO INLETS ARE TO THE GUTTER FLOWLINE OF GRATE (i.e., ES OF ROADWAY) UNLESS OTHERWISE NOTED. SEE SHEET DD-1.
- ALL TIES TO MANHOLES AND JUNCTION BOXES ARE TO BE AT THE CENTER OF THE BASE UNLESS OTHERWISE NOTED.
- TOP OF GRATE (TG) ELEVATIONS INCLUDE 30 mm DEPRESSION UNLESS OTHERWISE NOTED.
- DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD).
- UNLESS OTHERWISE NOTED, ENTRANCE FLOW LINES FOR DRAINAGE INLETS SHALL BE IDENTICAL TO THE OUTLET FLOW LINE.
- SEE STAGE CONSTRUCTION PLANS FOR DRAINAGE SYSTEMS 1, 8 AND 14 INSTALLATION SEQUENCE.

LEGEND:

-  DRAINAGE SYSTEM NUMBER
-  DRAINAGE UNIT
-  BASIN/SWALE
-  GRADE TO DRAIN

ABBREVIATIONS:

- DEPR APRN DEPRESSED APRON
- SGD STANDARD GUTTER DEPRESSION
- ASP ALTERNATIVE SLOTTED PIPE
- PP PLASTIC PIPE
- PFES PLASTIC FLARED END SECTION



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Alc	80	1.6/2.7	65R1	744

REGISTERED CIVIL ENGINEER DATE 6-2-11

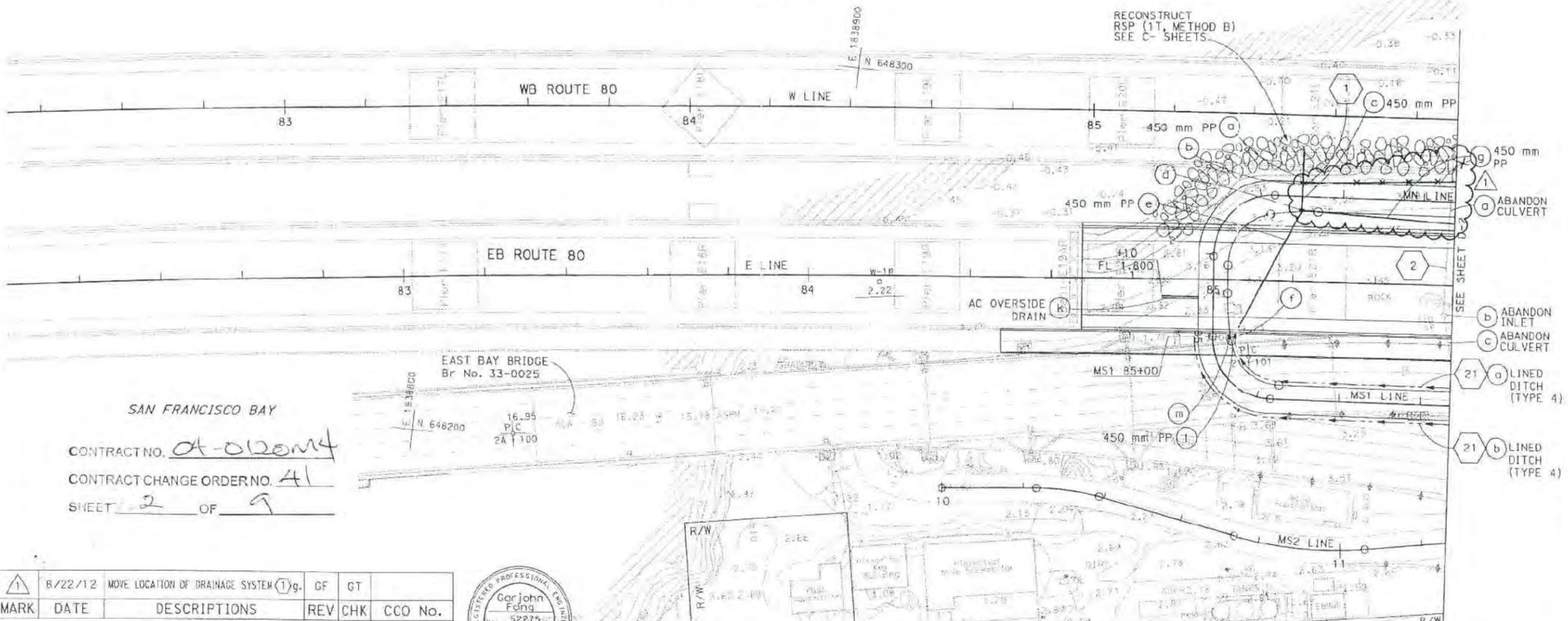
10-3-11 PLANS APPROVAL DATE

Garjohn Fong No. 52275 12-31-12 CIVIL

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



SAN FRANCISCO BAY



SAN FRANCISCO BAY

CONTRACT NO. 04-0120M4

CONTRACT CHANGE ORDER NO. 41

SHEET 2 OF 9

MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
1	8/22/12	MOVE LOCATION OF DRAINAGE SYSTEM (1)g.	GF	GT	

CONTRACT CHANGE ORDER No. _____ SHEET OF _____



FOR REVISION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

DRAINAGE PLAN

SCALE 1:500

THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY

D-1

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
1	8/22/12	MOVE LOCATION OF DRAINAGE SYSTEM (1)g	GF	GT	
REVISIONS					

CONTRACT CHANGE ORDER No. _____
SHEET _____ OF _____



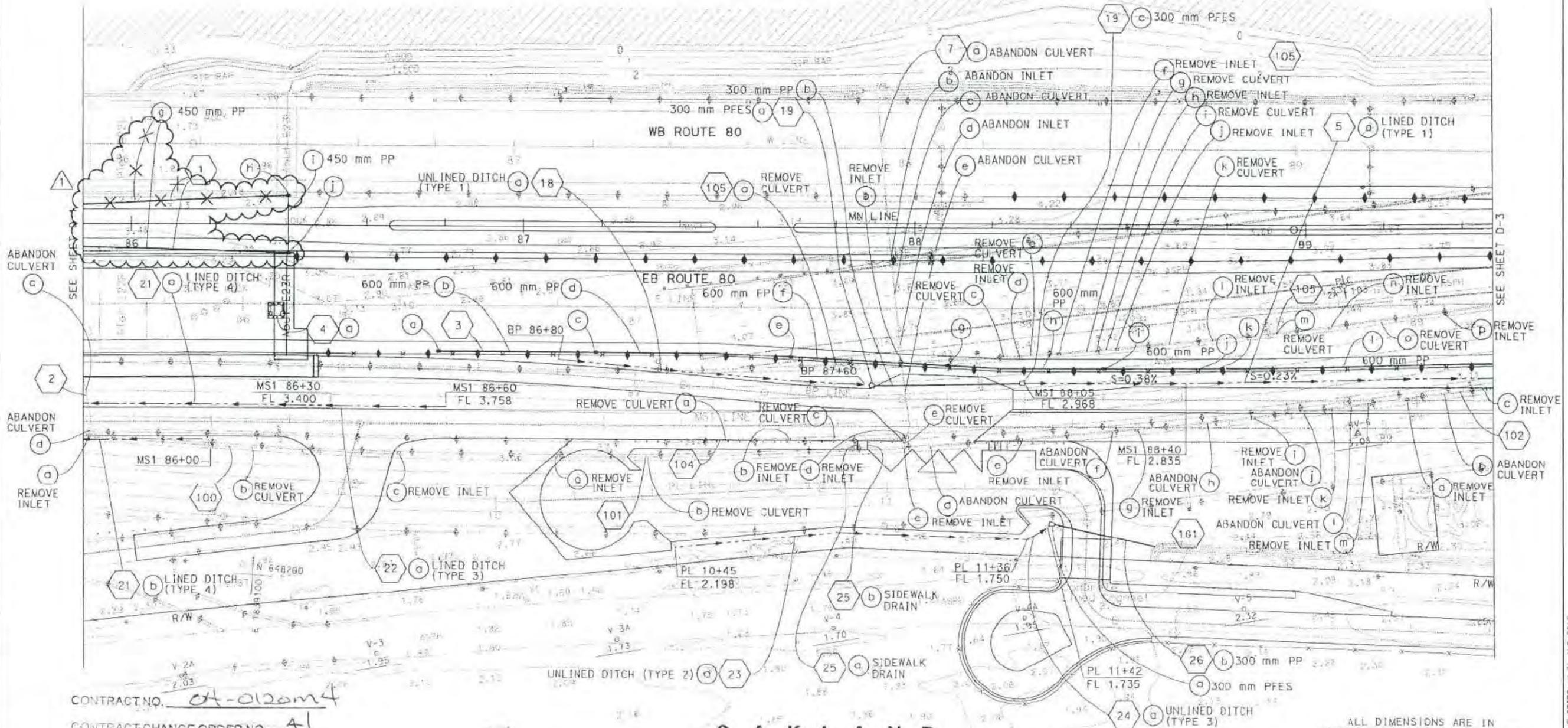
FOR REVISION ONLY



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Aic	80	1.6/2.7	66R1	744
REGISTERED CIVIL ENGINEER			DATE		
10-3-11			6-2-11		
PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					

REVISIONS: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

SAN FRANCISCO BAY



CONTRACT NO. 04-0120M4

CONTRACT CHANGE ORDER NO. A1

SHEET 3 OF 9

OAKLAND

FOR NOTES, ABBREVIATIONS &/OR LEGEND, SEE SHEET D-1

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

DRAINAGE PLAN
SCALE 1:500

D-2

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
2	8/22/12	CORRECTED BACKGROUND	GF	GT	
1	5/8/12	REVISED DRAINAGE DIAMETER AND PFES DESCRIPTION TO MATCH PROFILE.	GF	RP	

CONTRACT CHANGE ORDER No. _____
SHEET _____ OF _____



FOR REVISION ONLY



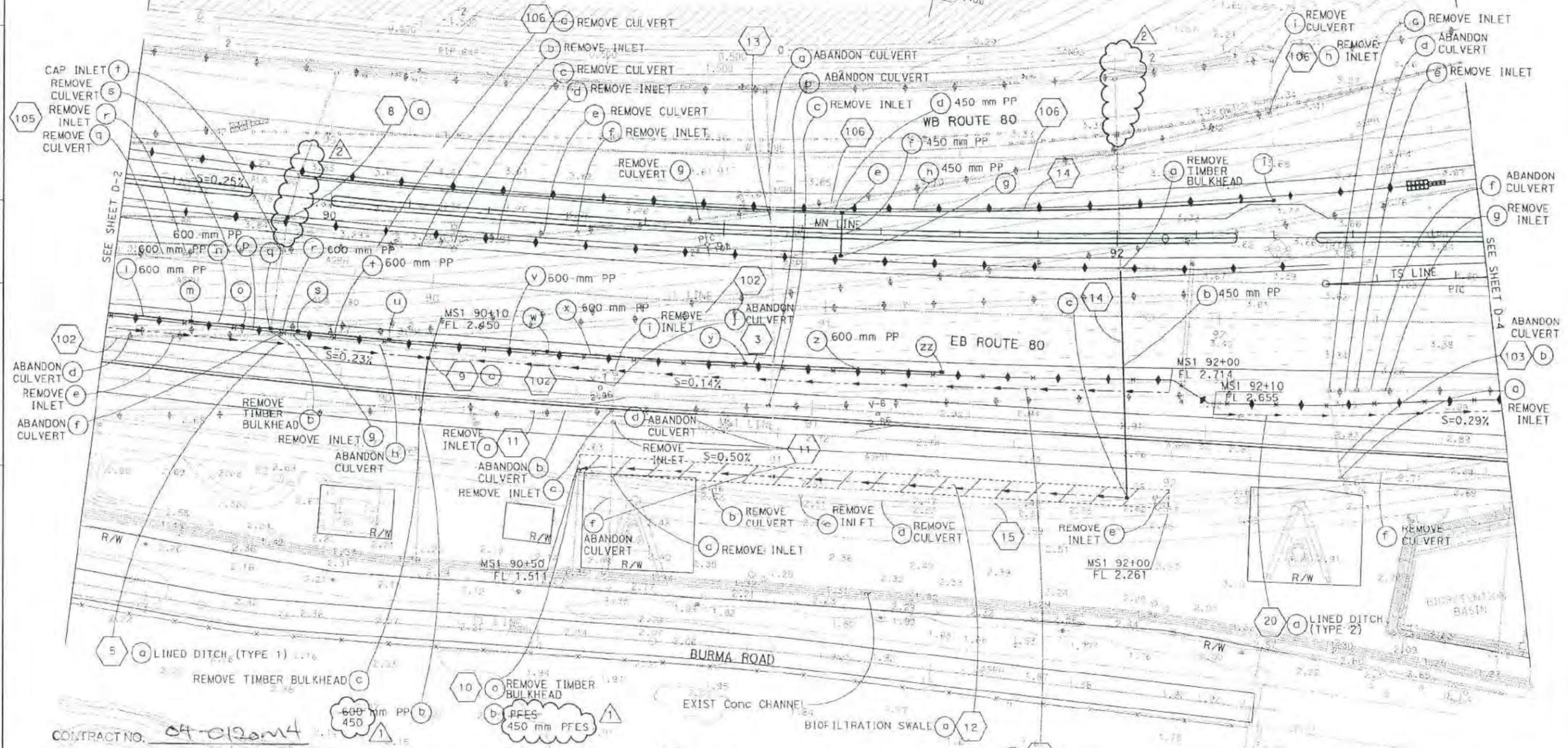
DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	67R2	744

REGISTERED CIVIL ENGINEER DATE 6-2-11
PLANS APPROVAL DATE 10-3-11

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



SAN FRANCISCO BAY



CONTRACT NO. 04-0120M4
CONTRACT CHANGE ORDER NO. 41
SHEET 4 OF 9

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN
DRAINAGE PLAN
SCALE 1:500

FOR NOTES, ABBREVIATIONS &/OR LEGEND, SEE SHEET D-1

THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY

D-3

REVISOR: GARJOHN FONG, ISAAC PEREZ
DESIGNER: JAIME E. CUTIERRIZ
SUPERVISOR: JAIM E. CUTIERRIZ
DEPARTMENT OF TRANSPORTATION
TOLL BRIDGE



Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	69R1	744
REGISTERED CIVIL ENGINEER		DATE			
10-3-11		6-2-11			
PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					



ABBREVIATIONS:

- DEPR APRON: DEPRESSED APRON
- SGD: STANDARD GUTTER DEPRESSION
- ASP: ALTERNATIVE SLOTTED PIPE
- PP: PLASTIC PIPE
- MOD APRON: MODIFIED APRON
- PFES: PLASTIC FLARED END SECTION

NOTE:

ALL UTILITIES INTERSECTING DRAINAGESYSTEMS SHALL BR PROTECTED IN PLACE.

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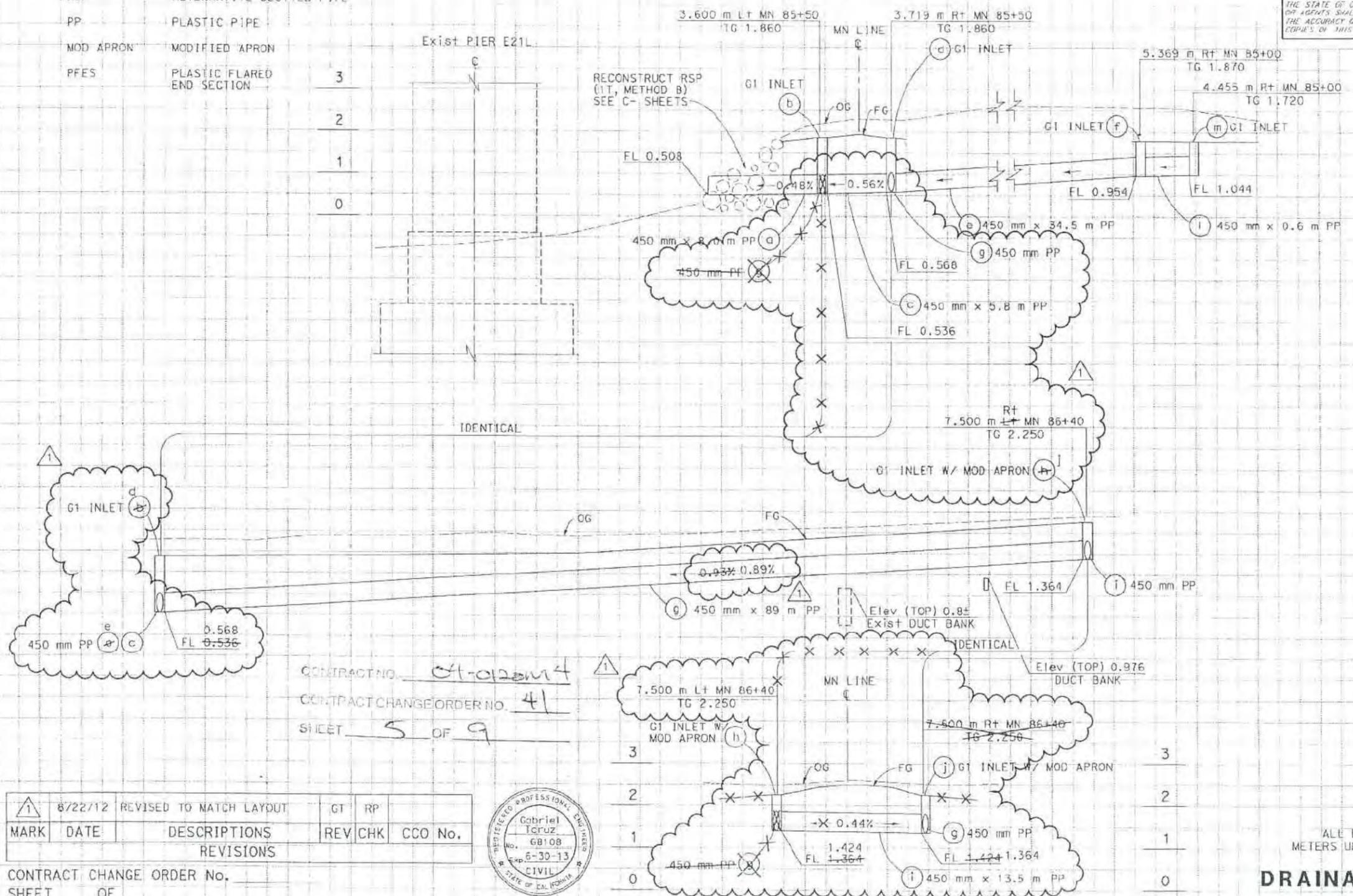
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CONTRACT NO. 01-020M4
 CONTRACT CHANGE ORDER NO. 41
 SHEET 5 OF 9

MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
△	8/22/12	REVISED TO MATCH LAYOUT	GT	RP	
REVISIONS					

CONTRACT CHANGE ORDER No. _____
 SHEET _____ OF _____



Richard A. Torres
 FOR REVISION ONLY

DRAINAGE SYSTEM No. 1

DRAINAGE PROFILES

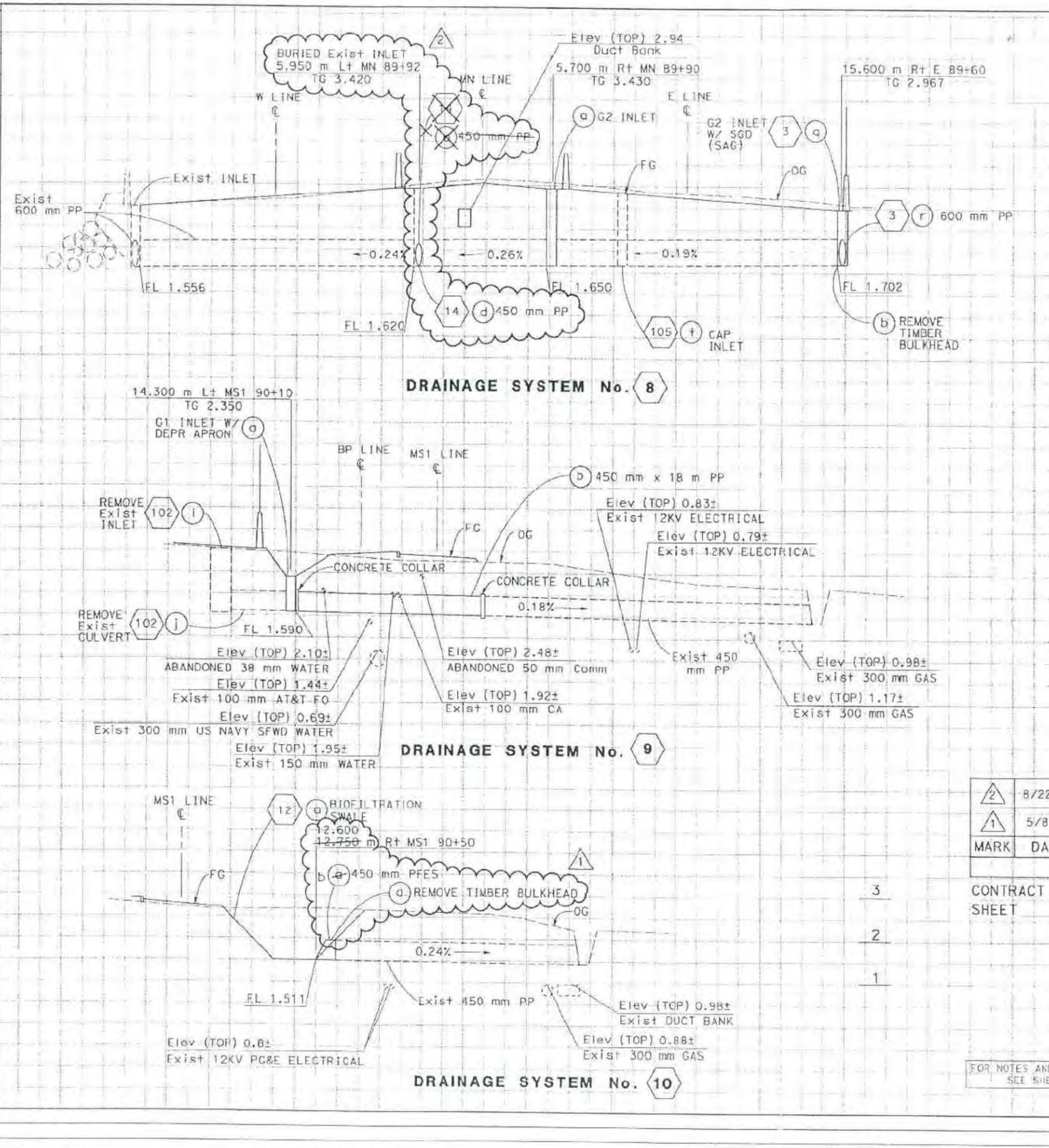
SCALE: Horiz 1:200
 Vert 1:50

DP-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 TOLL BRIDGE
 ANNA URETA
 GABRIEL T. CRUZ
 JAIMIE E. GUTIERREZ
 CALIFORNIA
 DESIGNED BY
 CHECKED BY
 SUPERVISOR
 REVISION
 DATE PLOTTED => 31-AUG-2012
 08-23-12 TIME PLOTTED => 11:00

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TOLL BRIDGE

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
 CALCULATED BY: ANNA URETA
 DESIGNED BY: GABRIEL TORCZ
 CHECKED BY: GABRIEL TORCZ
 REVISIONS: 0, 1, 2, 3, 4, 5



DIST COUNTY ROUTE KILOMETER POST TOTAL SHEET TOTAL SHEETS
 04 Alameda 80 1.6/2.7 71R2 744

REGISTERED CIVIL ENGINEER DATE 6-2-11
 ANNA G. URETA No. 67663 Exp. 6-30-11 CIVIL

PLANS APPROVAL DATE 10-3-11
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CONTRACT NO. 04-0120M4
 CONTRACT CHANGE ORDER NO. 41
 SHEET 6 OF 9



Gabriel Torcz
 FOR REVISION ONLY



Anna G. Ureta
 FOR REVISION ONLY

MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
2	8/22/12	REVISED FOR CLARIFICATION	GT	RP	
1	5/8/12	CORRECTED DRAINAGE INFORMATION	AU	RP	

REVISIONS

CONTRACT CHANGE ORDER No. _____
 SHEET OF _____

FOR NOTES AND ABBREVIATIONS SEE SHEET DP-1

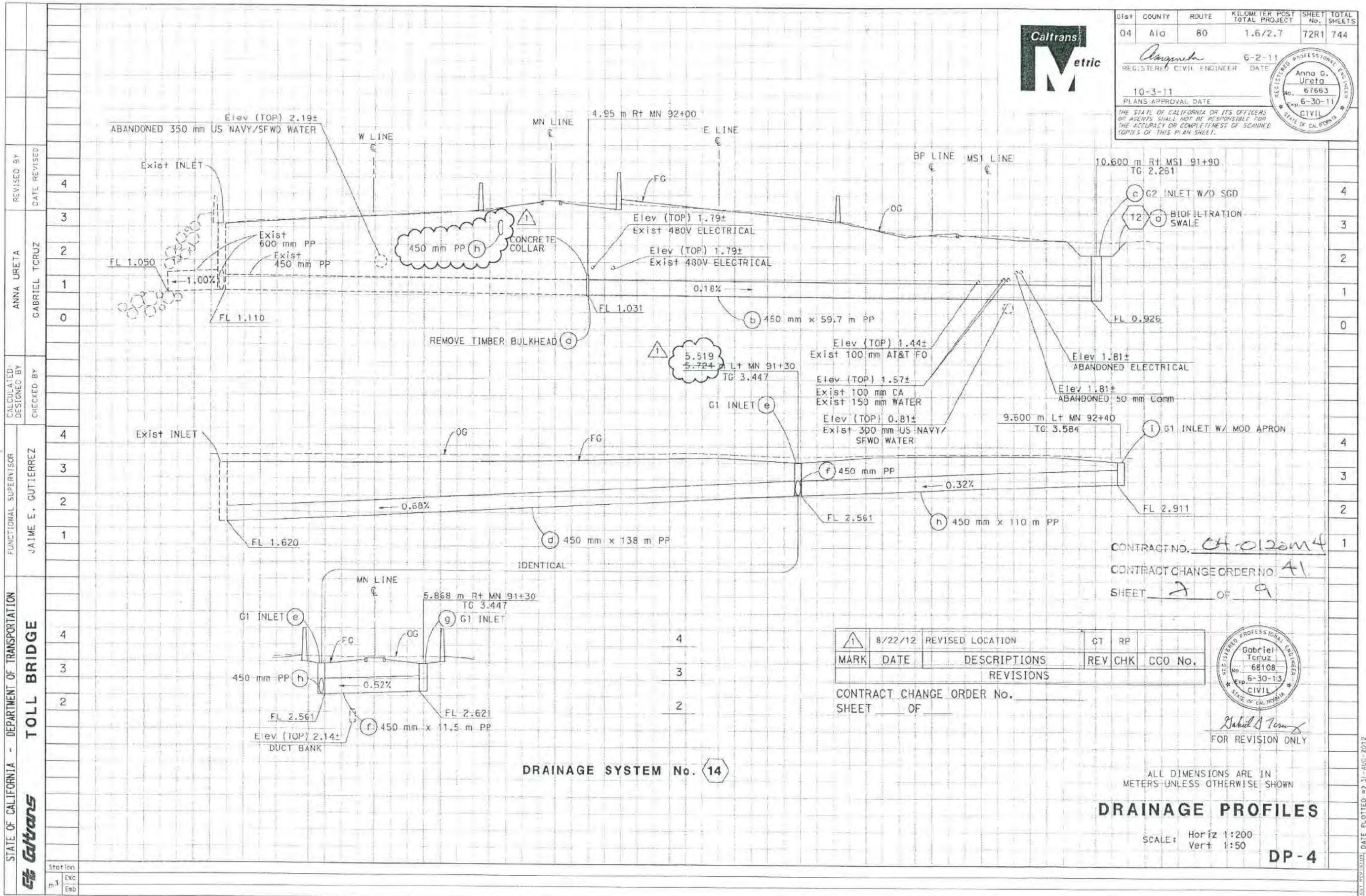
DRAINAGE PROFILES

SCALE: Horiz 1:200
 Vert 1:50

DP-3



04	Ala	80	1.6/2.7	72R1	744
REGISTERED CIVIL ENGINEER			DATE	6-2-11	
PLANS APPROVAL DATE			10-3-11		
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
REGISTERED PROFESSIONAL ENGINEER Anna G. Ureta No. 67663 Exp. 6-30-11 CIVIL STATE OF CALIFORNIA					



REVISOR	DATE	REVISION
ANNA URETA		
GABRIEL TOROZ		
JAIWE E. GUTIERREZ		

CONTRACT NO. 04-0120M4
 CONTRACT CHANGE ORDER NO. 41
 SHEET 7 OF 9

MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
△	8/22/12	REVISED LOCATION	GT	RP	
REVISIONS					

CONTRACT CHANGE ORDER No. _____
 SHEET _____ OF _____



Gabriel Toro
 FOR REVISION ONLY

DRAINAGE SYSTEM No. 14

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

DRAINAGE PROFILES

SCALE: Horiz 1:200
 Vert 1:50

DP-4

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO: 45	Suppl. No. 0	Contract No. 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: FLATIRON WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Adjustment of Compensation at Lump Sum:

Grind and dispose of additional asphalt pavements at "E" Sta 87+15 to Sta 91+00, and "MN" Line Sta 87+40 to Sta 91+00 in excess of the original contract estimated thickness of 229 mm, and as directed by the Engineer.

This adjustment will be made in accordance with the provisions of Section 4-1.03C, Changes in character of work, of the Standard Specifications.

For the change in character of pavement removal, the contractor will be paid the sum of \$84,303.08, this sum constitutes full compensation, including markups, for this change.

Cost of Adjustment of Compensation at Agreed Lump Sum\$84,303.08

KA

Estimated Cost: Increase Decrease \$84,303.08

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by
 Signature Jeannie Balderramos Resident Engineer JEANNIE BALDERRAMOS Date 6-7-13

Approval Recommended by
 Signature Deanna Vilcheck Area Construction Manager DEANNA VILCHECK Date 7/3/13

Engineer Approval by
 Signature Deanna Vilcheck Area Construction Manager DEANNA VILCHECK Date 7/3/13

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

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by
 Signature [Signature] (Print name and title) F. DAVILA V.P. Date 6/19/13

CONTRACT CHANGE ORDER MEMORANDUM

DATE: 9/17/2012 Page 1 of 1

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS <i>DV</i>			FILE: E.A. 04 - 0120M4
FROM: JEANNIE BALDERRAMOS			CO-RTE-PM 04-ALA-80-1.6/2.7
			FED. NO. NO FED AID
CCO# 45	SUPPLEMENT#: 0	Category Code: CDPU	CONTINGENCY BALANCE (incl. this change) \$12,298,107.94
COST: \$84,303.08		INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>	HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
SUPPLEMENTAL FUNDS PROVIDED: \$0.00			IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
CCO DESCRIPTION: Remove Pavmt Over 9" Thick		PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM	
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)	Percentage Time Adjusted: (including this change) 0 %
			Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

Additional removal and disposal of existing asphalt concrete pavement exceeding Contract estimated thickness of 229 mm.

The Oakland Touchdown Project Phase II (OTD2) provides for the construction of the last remaining concrete box girder frame of the Oakland Touchdown structure and the construction of the remaining eastern roadway approach as part of the new east span of the San Francisco Oakland Bay Bridge (SFOBB).

Project documents show the existing asphalt concrete pavement requiring removal has thickness of 229 mm. Actual thickness of the existing asphalt concrete pavement ranges from 610 mm to 1524 mm in some areas, thus incurring additional work to remove and dispose.

This work is not part of the original contract; therefore, compensation for this work shall be paid as adjustment in compensation at agreed lump sum of \$84,303.08, which shall be financed from the contract's contingency fund. A cost analysis is on file.

This change is identified and requested by construction.

No adjustment of the contract time is warranted, as this change does not affect the controlling operation.

Maintenance concurrence is not required as this doesn't affect any permanent roadway or structural features.

CONCURRED BY:		ESTIMATE OF COST	
Construction Engineer: JEANNIE BALDERRAMOS <i>JB</i>	Date: <i>6-7-13</i>	THIS REQUEST	TOTAL TO DATE
Bridge Engineer:	Date:	ITEMS	\$0.00
Project Engineer: GABRIEL TCRUZ <i>GT</i>	Date: <i>07/03/13</i>	FORCE ACCOUNT	\$0.00
Project Manager: KEN TERPSTRA <i>KT</i>	Date: <i>6/21/13</i>	AGREED PRICE	\$0.00
FHWA Rep.:	Date:	ADJUSTMENT	\$84,303.08
Environmental:	Date:	TOTAL	\$84,303.08
Other (specify): JAIME GUTIERREZ SR DGN ENG	Date: <i>6/12/13</i>	FEDERAL PARTICIPATION	
Other (specify):	Date:	<input type="checkbox"/> PARTICIPATING	<input type="checkbox"/> PARTICIPATING IN PART
District Prior Approval By: <i>Deanna Vilcheck</i>	Date: <i>9/12/12</i>	<input checked="" type="checkbox"/> NONE	<input type="checkbox"/> NON-PARTICIPATING
HQ (Issue Approve) By:	Date:	<input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE)	<input type="checkbox"/> NON-PARTICIPATING
Resident Engineer's Signature: <i>J. Balda</i>	Date: <i>8-5-13</i>	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
		<input type="checkbox"/> CCO FUNDED PER CONTRACT	<input type="checkbox"/> CCO FUNDED AS FOLLOWS
		FEDERAL FUNDING SOURCE	PERCENT

CONTRACT CHANGE ORDER MEMORANDUM

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS		FILE: E.A. 04 - 0120M4		
FROM: JEANNIE BALDERRAMOS		CO-RTE-PM 04-ALA-80-1.6/2.7		
		FED. NO. NO FED AID		
CCO#: 49	SUPPLEMENT#: 0	Category Code: CDXX	CONTINGENCY BALANCE (incl. this change) \$10,310,311.46	
COST: \$182,748.00		INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>		HEADQUARTERS APPROVAL REQUIRED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
SUPPLEMENTAL FUNDS PROVIDED: \$0.00		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
CCO DESCRIPTION: High Mast Lighting Luminaires to LED		PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM		
Original Contract Time: 1140 Day(s)	Time Adj. This Change: DEF Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)	Percentage Time Adjusted: (including this change) 0 %	Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

Substituting LED lighting fixtures for the planned metal halide fixtures for 4 new high mast lighting poles.

This contract, the Oakland Touchdown 2 (OTD2), provides for the construction of the last remaining concrete box girder frame of the Oakland Touchdown structure and the construction of the remaining eastern roadway approach as part of the new east span of the San Francisco Oakland Bay Bridge (SFOBB).

As part of this work, the contract calls for furnishing and installing 4 new high mast light poles in the center median at the eastern approach to the structure. As requested by Office of Toll Bridge Design, the as-planned metal halide lighting fixtures will be replaced by LED fixtures. The LED lighting provides for improved light distribution and energy efficiency along with reduced maintenance costs and is consistent with Caltrans policy to move towards more energy efficient lighting fixtures.

A total of 30 each LED fixtures will be furnished for the 4 high mast poles with added costs stemming from the unit price difference of furnishing LED fixtures verses the planned metal halide fixtures.

Compensation shall be paid as extra work at an agreed lump sum of \$182,748.00, which shall be financed from the contract's contingency funds. A cost analysis is on file.

Adjustment of contract time is deferred pending completion of the work specified in this change as it may affect the controlling operation.

This change was requested by Jaime Gutierrez, Office of Toll Bridge Design, on a memorandum dated October 11, 2012.

CONCURRED BY:		ESTIMATE OF COST	
Construction Engineer: JEANNIE BALDERRAMOS <i>JAB</i> Date <i>5-9-13</i>		THIS REQUEST	TOTAL TO DATE
Bridge Engineer: _____ Date _____		ITEMS \$0.00	\$0.00
Project Engineer: GABRIEL TCRUZ Date <i>6/2/13</i>		FORCE ACCOUNT \$0.00	\$0.00
Project Manager: KEN TERPSTRA <i>KT</i> Date <i>5-20-13</i>		AGREED PRICE \$182,748.00	\$182,748.00
FHWA Rep.: _____ Date _____		ADJUSTMENT \$0.00	\$0.00
Environmental: _____ Date _____		TOTAL \$182,748.00	\$182,748.00
Other (specify): JAIME GUTIERREZ SR DGN ENG Date <i>6/3/13</i>		FEDERAL PARTICIPATION	
Other (specify): LINA ELLIS, STRUCT MAINT. Date <i>6/3/13</i>		<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING	
District Prior Approval By: _____ Date _____		FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
HQ (Issue Approve) By: <i>LARRY SALMONE</i> Date <i>5/9/13</i>		<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS	
Resident Engineer's Signature: <i>J Balderramos</i> Date <i>5-9-13</i>		FEDERAL FUNDING SOURCE	PERCENT
		_____	_____

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO: 49	Suppl. No. 0	Contract No. 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: **FLATRION WEST INC**

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Extra Work at Lump Sum:

Modify the 4 new high mast lighting poles to provide LED luminaires in lieu of metal halide luminaires as specified on Pages 2 through 3 and as shown on Pages 4 through 7 of this change order (Sheets No. 337R1, 339R2, 340R2 and 342R1).

For all cost incurred due to this change, the Contractor shall be compensated an agreed lump sum of \$182,748.00, which constitutes full compensation, including all markups, complete in place, for this change.

Consideration of a time adjustment will be deferred until completion of the work specified herein. Determination of a commensurate time extension will be made in accordance with Section 8-1.07, "Liquidated Damages", of the Standard Specifications.

Cost of Extra Work at Agreed Lump Sum\$182,748.00

Estimated Cost: Increase Decrease **\$182,748.00**

By reason of this order the time of completion will be adjusted as follows: Deferred

Submitted by		
Signature <i>J. Balderramos</i>	Resident Engineer JEANNIE BALDERRAMOS	Date 5-9-13
Approval Recommended by		
Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 5/9/13
Engineer Approval by		
Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 5/28/13

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

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by		
Signature <i>[Signature]</i>	(Print name and title) F. DANA O.P.	Date 5/23/13

W-A



CONTRACT NO. 04-0120m4
CONTRACT CHANGE ORDER NO. 49
SHEET 2 OF 7

LUMINAIRES

Each luminaire shall consist of housing, ~~a reflector, a refractor or lens, a ballast, a lamp socket and a lamp~~ optical assembly, class 1 LED drivers, multi-die LED chip-on-board.

Housings shall be fabricated of cast aluminum. ~~Housings that are painted shall withstand a Finish shall pass~~ 1000-hour salt spray test in conformance with the requirements in ASTM Designation: B 117. Metal component parts of the housing shall be fabricated from material at least equal in corrosion resistance and finish to the metal in the housing.

~~The optical system, consisting of the reflector, refractor or lens, lamp socket and lamp, shall be in a sealed chamber. Sealing shall be provided by a gasket between the reflector and refractor or lens, and a gasket between the reflector and lamp socket. The chamber shall have provision for filtered flow of air in and out of the chamber due to lamp heat. Filtering shall be accomplished by either a separate filter or a filtering gasket.~~

~~The adjustable component (refractor or reflector) controlling the orientation of the light distribution of asymmetrical luminaires shall be~~ optical assembly shall be rotatable 360 degrees around a vertical axis to align asymmetric distribution.

Each luminaire shall be provided with a ~~slipfitter for mounting on a 50 mm horizontal pipe tenon~~ two-bolt horizontal arm mount and shall be adjustable to plus or minus 3 degrees from the ~~axis of the tenon~~ vertical.

~~The surface of each reflector shall be specular and shall be silvered glass or aluminum protected by either an anodized finish or a silicate film. The reflector shall be shaped so that a minimum of light is reflected through the arc tube of the lamp.~~

~~Each refractor or lens shall be made of heat resistant glass.~~

~~Each lamp socket shall be a porcelain enclosed mogul multiple type. The shell shall contain integral lamp grips to assure electrical contact under conditions of normal vibrations. The socket shall be rated for 1500 W, 600 V (ac), and 4000 V (ac) pulse (400 W lamp), or and 5000 V (ac) pulse (1000 W lamp).~~

~~Metal halide High Pressure Sodium lamps shall be vertical burning, protected from undue vibration and prevented from backing out of the socket by a stainless steel clamp attached to the luminaire.~~

~~Each luminaire shall enclose a dual fuseholder and 2 fuses rated at 5 A at 480 V (ac). Each fuse shall be the standard midget ferrule type, with "Non-Time-Delay" feature, shall be ETL or UL listed, and shall be 10.3 mm x 38 mm.~~

The minimum light distribution for each luminaire shall be as shown on the plans.

Fixture optics provided by a multi-die LED chip-on-board (COB) technology consisting of an array of LEDs on one board. Each fixture to contain 14 LED modules providing Type V, symmetrical distribution. Color shall be 4000K with a CRI of 65 as a minimum. The optical compartment will be covered with prismatic glass.

LED DRIVERS

Class 1 LED drivers will be rated for 85,000 hours life at a minimum. Driver to have a power factor of 90% and have maximum total harmonic distribution (THD) of 20%. Surge protection meets 10 kV/5 kVa per ANSI/IEEE C 62.41.

BALLASTS

~~The ballast for each high mast luminaire shall consist of components (core and coils, capacitors and starting aid, if required) mounted within a weatherproof housing which integrally attaches to the top of a luminaire support bracket and lamp support assembly. The ballast shall be readily removable without removing the luminaire from the bracket arm.~~

~~Ballasts shall be electrically connected to the optical assembly by means of a prewired quick disconnect.~~

~~Ballasts shall be the regulator type.~~

METAL HALIDE LAMP BALLASTS

~~For metal halide luminaires, the lamp wattage regulation spread at any lamp voltage, from nominal through the life of the lamp, shall vary not more than 22 percent for 1000-W lamps, for a ± 10 percent input voltage variation. The ballast starting line current shall be less than its operating current.~~

~~Other details of ballasts for metal halide luminaires shall be as specified by the luminaire manufacturer.~~

HIGH PRESSURE SODIUM LAMPS

~~High pressure sodium lamps shall conform to the provisions in Section 86-6.01B, "High Pressure Sodium Lamps," of the Standard Specifications and these special provisions. Four hundred watt high pressure sodium lamps shall have an initial output of 50 000 lumens. One thousand watt high pressure sodium lamps shall have an initial output of 140 000 lumens.~~

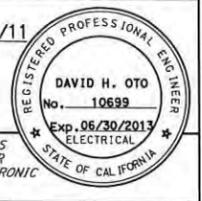
METAL HALIDE LAMPS

~~One thousand-watt metal halide lamps shall have an initial output of 100 000 lumens and an average rated life of 12 000 hours, based on 10 hours per start.~~

CONTRACT NO. CA-0120M4
CONTRACT CHANGE ORDER NO. 49
SHEET 3 OF 7

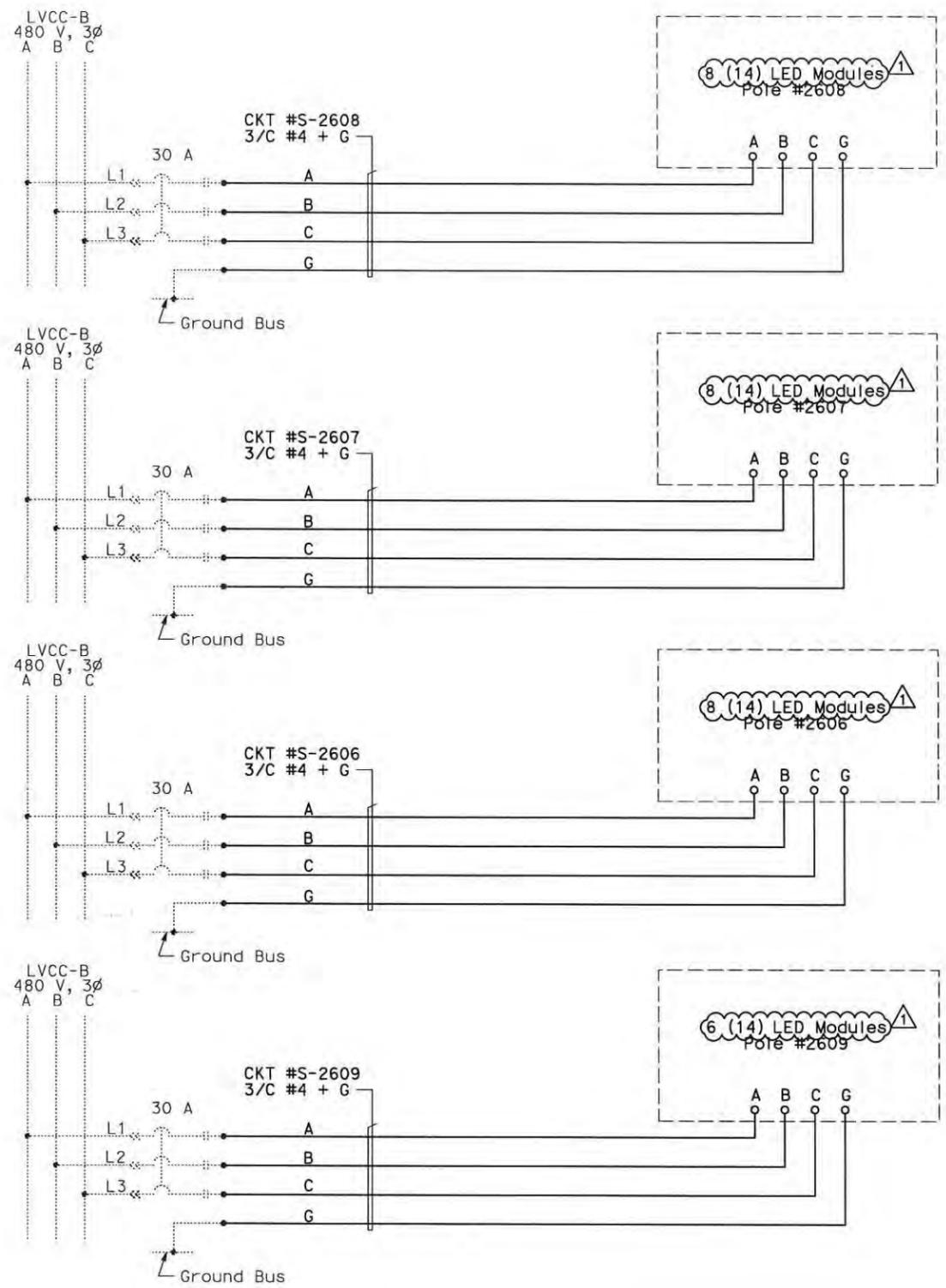


David H. Oto
 5/02/11
 REGISTERED ELECTRICAL ENGINEER
 10-3-11
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

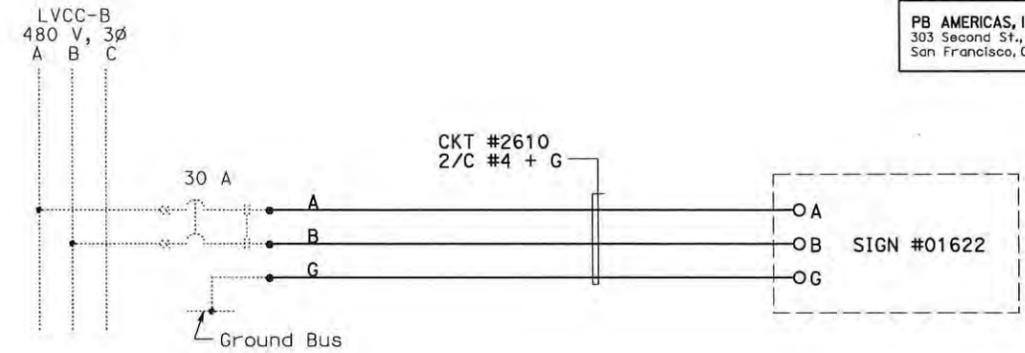


PB AMERICAS, Inc.
 303 Second St., Suite 700N
 San Francisco, CA 94107-1317

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 CONSULTANT SUPERVISOR
 BRADY NADELL
 CHECKED BY
 ELLERY LUCAS
 DESIGNED BY
 JEFFRI HALIM
 DATE REVISIONS
 REVISIONS



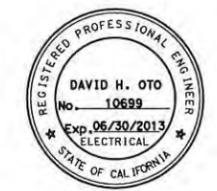
480 V HIGH MAST LIGHTING



SIGN LIGHTING

NOTE:

- References:
 - For LVCC-B mole substation single line diagram, see sheet E-136.
 - For High-mast fixture layout location plan, see sheets E-149 and E-150.
 - For High Mast lighting pole details, see sheet E-151.
 - For High Mast typical wiring diagram, see sheet E-152.
 - For conduit and tray, cable and circuit schedules, see sheets starting at E-205.



David H. Oto
 FOR REVISION ONLY

MARK	DATE	DESCRIPTIONS	BY	CH'D/CCO#
△	10/02/12	Change High Mast Lighting to LED fixtures	EJL	DO

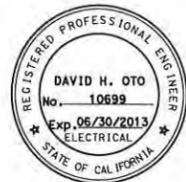
CONTRACT CHANGE ORDER NO. 49
 SHEET 4 OF 7
04-0120m4

DETAILS
UNDERGROUND AND ROADWAY AT GRADE
(HIGH MAST LIGHTING AND SIGN LIGHTING WIRING DIAGRAMS)

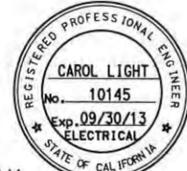
NO SCALE

SHEET NOTES:

- 1 For High Mast Lighting pull box location, see sheets E-107 and E-108.
- 2 Install permanent High Mast Lighting Standard with 30.5 m high pole, with lowering device and (8) High Mast LED luminaires with 14 optical modules with prismatic glass lens similar to "Halophane #HMLD14 4K AH G L5 FD2" on stage 1 and put into operation before the removal of existing High Mast Lighting. Foundation shall be centered on new median. See sheet E-151 for more information.
- 3 Install permanent No. 5 pull box with cover marked "High Mast Lighting, 480 V".
- 4 Install permanent High Mast Lighting Standard with 30.5 m high pole, with lowering device and (6) High Mast LED luminaires with 14 optical modules with prismatic glass lens similar to "Halophane #HMLD14 4K AH G L5 FD2" on stage 1 and put into operation before the removal of existing High Mast Lighting. Foundation shall be centered on new median. See sheet E-151 for more information.



David H. Oto
FOR REVISION ONLY



Carol Light
FOR REVISION ONLY

NOTES:

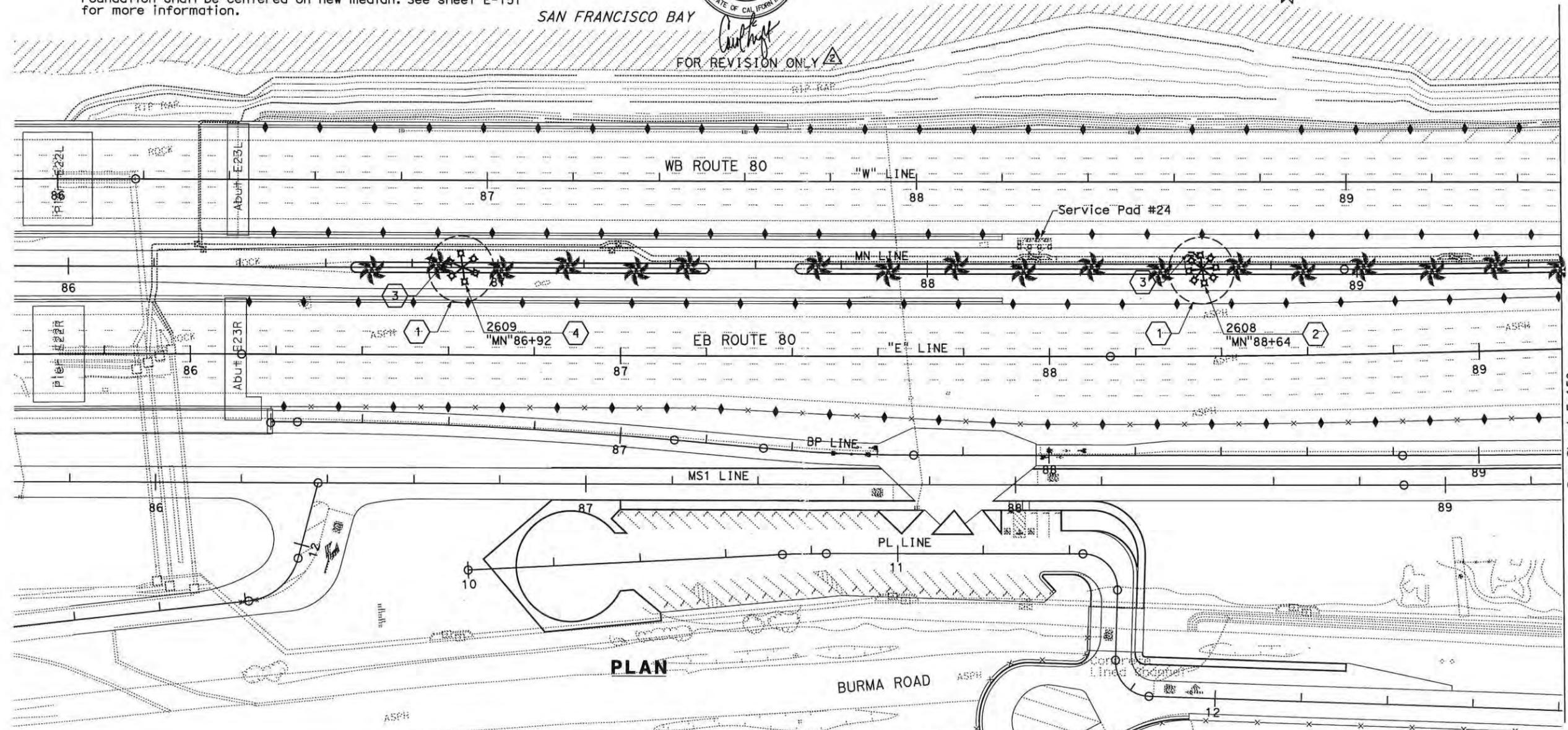
1. For Notes, Abbreviations and Legends, see E-4.
2. References:
- for High Mast Lighting wiring diagram and controls, see E-147 and E-152.



Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Alameda	80	1.6/2.7	339 R2	744

REGISTERED ELECTRICAL ENGINEER
Carol Light
 04/20/11
 10-3-11
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.
 PB AMERICAS, INC.
 303 SECOND ST., SUITE 700N
 SAN FRANCISCO, CA 94107-1317
 SILVERMAN & LIGHT
 1201 PARK AVE., SUITE 100
 EMERYVILLE, CA 94608-3632

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 CONSULTANT FUNCTIONAL SUPERVISOR
 BRADY NADELL
 CALCULATED-DESIGNED BY
 BEN JUDILLA
 CHECKED BY
 CAROL LIGHT
 REVISOR
 DATE REVISOR
 DATE REVISOR



MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
△	10/02/12	Change High Mast Lighting to LED fixtures.	BJ	EJL	
△	09/06/12	Revise High Mast Foundation	LJ	DO	

CONTRACT CHANGE ORDER NO. 49
 SHEET 5 OF 2
04-0120M4

DETAILS
UNDERGROUND AND ROADWAY AT GRADE
HIGH MAST LIGHTING POLE LOCATION

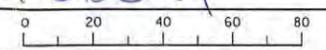
SCALE 1:500

E-149

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

BORDER LAST REVISED 10/07/2009

RELATIVE BORDER SCALE IS IN MILLIMETERS



USERNAME => Llorico
 DGN FILE => 40120mua149r02.dgn

CU 04251

EA 0120M1

LAST REVISION DATE PLOTTED => 03-OCT-2012
 TIME PLOTTED => 10:35

See Sheet E-150

SHEET NOTES:

- 1 For High Mast lighting pull box location see sheet E-108.
- 2 Install permanent High Mast Lighting Standard with 30.5 m high pole with lowering device and (8) High Mast LED luminaires with 14 optical modules with prismatic glass lens similar to "Halophane #HML14 4K AH G L5 FD2" on stage 1 and put into operation before the removal of existing High Mast Lighting. Foundation shall be centered on new median. See sheet E-151 for more information.
- 3 Install No. 5 pull box with cover marked "High Mast Lighting, 480 V.
- 4 Install permanent High Mast Lighting Standard with 30.5 m high pole with lowering device and (8) High Mast LED luminaires with 14 optical modules with prismatic glass lens similar to "Halophane #HML14 4K AH G L5 FD2" on stage 3 and put into operation before the removal of existing High Mast Lighting. Foundation shall be centered on new median. See sheet E-151 for more information.

NOTES:

- 1. For Notes, Abbreviations and Legends, see E-4.
- 2. References:
 - for High Mast Lighting wiring diagram and controls, see E-147 and E-152.



Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Alc	80	1.6/2.7	340 R2	744
REGISTERED ELECTRICAL ENGINEER			04/20/11	REGISTERED PROFESSIONAL ENGINEER	
10-3-11			PLANS APPROVAL DATE		
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.					
PB AMERICAS, INC. 303 SECOND ST., SUITE 700N SAN FRANCISCO, CA 94107-1317					
SILVERMAN & LIGHT 1201 PARK AVE., SUITE 100 EMERYVILLE, CA 94608-3632					



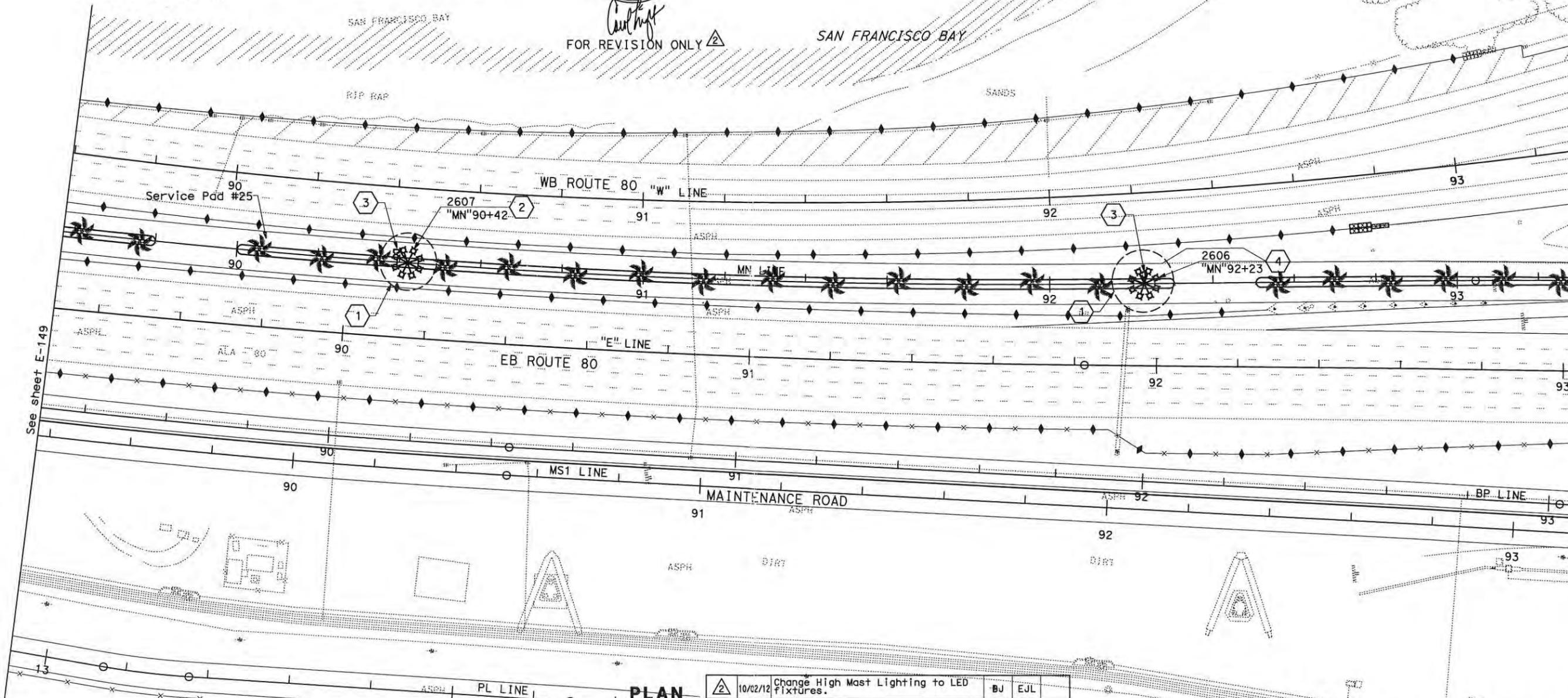
FOR REVISION ONLY



FOR REVISION ONLY



REVISIONS: 10-02-12 TIME PLOTTED => 10:35
 LAST REVISION: 03-OCT-2012
 USERNAME => Llorico
 DGN FILE => 40120mu150r02.dgn
 CU 04251 EA 0120M1
 SCALE 1:500
 SHEET 6 OF 7
 CONTRACT CHANGE ORDER NO. 49
 ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN
 THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.
 BORDER LAST REVISED 10/07/2009



MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
△	10/02/12	Change High Mast Lighting to LED fixtures.	BJ	EJL	
△	09/03/12	Revise High Mast Foundation	LJ	DO	

**DETAILS
UNDERGROUND AND ROADWAY AT GRADE
HIGH MAST LIGHTING POLE LOCATION**

E-150

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO 50	Suppl. No. 0	Contract No. 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
--------	--------------	--------------------------	------------------------	---------------------------

To: FLATRION WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

For portions of the Type H soil which have been identified as having levels of contamination determined to exceed the RCRA Hazardous levels for Lead: Instead of the initially planned excavate and haul off directly, the contractor will excavate and stockpile this material, then collect soil samples and perform laboratory analyses. Upon review and approval by the engineer, the designated material will be transported, stabilized and disposed of at an approved facility.

Estimate of Increase in Contract Item at Contract Price:

Item No. 11: TEMPORARY COVER			
1200 M2	(+27.09%)	\$2.50 /M2	+\$3,000.00 (+415.35%)

Any adjustment in compensation due in accordance to Section 4-1.03B(1) "Increases of More than 25 percent", of the standard specifications for the above item is included in the adjustment in compensation at Agreed Unit Price included below, and no further adjustment in compensation will be made.

Estimated total cost for Increase in Contract Item.....\$3,000.00

Extra Work at Unit Price:

Additional cost for ROADWAY EXCAVATION (Type H), for the material which exceeds the RCRA Hazardous levels for lead contamination, which will be transported, stabilized and disposed of at an approved facility:

765 M3 AT \$390.35 / m3 = \$298,617.75

This unit price will be paid in addition to the payment made for this material under contract line item 66.

Estimate of Extra Work at Agreed Unit Price..... \$ 298,617.75

The additional unit price includes the cost of additional handling and stockpiling, loading and hauling the soil to the disposal site, and all additional disposal fees for this material. This unit price includes the required collection of additional field samples and laboratory analytical testing, including providing compiled reports to the Engineer. All truck loads will be covered with a tarp or equivalent approved covering device during transport on the public right of way.

The price includes the cost for coordination of the hauling to the site, as directed by the Engineer, and the cost of flaggers for this operation.

Stormwater Pollution Prevention (SWPP) measures for this portion of the work: the contractor will provide all additional required SWPP Best Management Practices (BMP) measures as required by this change, including providing and covering stockpiles with acceptable covers, maintenance of the covers, and disposal or removal from the site of the used cover material after the stockpiles are hauled off. BMP measures will be paid for at the corresponding contract unit prices (items 8 through 15). The cost of any other SWPP measures (such as updating the SWPP Plan, additional Street Sweeping, or other) is included in the agreed unit price for the new item.

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO 50	Suppl. No. 0	Contract No 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
--------	--------------	-------------------------	------------------------	---------------------------

Measurement: It is considered impractical to measure the quantity for the new extra work item added by this change order in accordance with Standard Specification Section 19-2.08 MEASUREMENT/ For this new item, the quantities will be measured using one of the following calculations:

- If the trucks hauling off the material are weighed, the conversion from weight to volume will be calculated as 2.12 tons (or 1,923 kilograms) per cubic meter (M3). This will be the first choice of method of measurement.
- If the trucks hauling off the material are not weighed, then each fully loaded semi dump truck will be calculated to contain 9.2 cubic meters (M3) of material. This will be the second choice of method of measurement.

The agreed unit price for this new item, along with the contract pay items, constitutes full and complete compensation, including all markups, for these changes.

The agreed price excludes the cost for local waste tax, fee or surcharge (such as the Alameda County Facility Fee, or California State Board of Equalization fee); any such tax, fee or surcharge will be reimbursed to the contractor separately.

Estimated cost of Extra Work at Agreed Unit Price\$298,617.75

KA

Estimated Cost: Increase Decrease \$301,617.75

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by		
Signature <i>Jeannie Balderramos</i>	Resident Engineer JEANNIE BALDERRAMOS	Date 11-16-12

Approval Recommended by		
Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 11/19/12

Engineer Approval by		
Signature	Area Construction Manager DEANNA VILCHECK	Date

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

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by		
Signature	(Print name and title)	Date

CONTRACT CHANGE ORDER MEMORANDUM

DATE: 10/30/2012 Page 1 of 1

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS		FILE: E.A. 04 - 0120M4
FROM: JEANNIE BALDERRAMOS		CO-RTE-PM 04-ALA-80-1.6/2.7
		FED. NO. NO FED AID
CCO# 50	SUPPLEMENT#: 0	Category Code: CDXX
CONTINGENCY BALANCE (incl. this change) \$2,631,126.16		
COST: \$301,617.75	INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>	HEADQUARTERS APPROVAL REQUIRED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
SUPPLEMENTAL FUNDS PROVIDED: \$0.00		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
CCO DESCRIPTION: Dispose of RCRA Contaminated Material		PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)
Percentage Time Adjusted: (including this change) 0 %		Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

Increased quantity of bid item # 11 (Temporary Cover) and added unit price work for RCRA disposal.

The Oakland Touchdown 2 (OTD2) completes the Oakland Mainland connector of the east span of the San Francisco Oakland Bay Bridge (SFOBB). The project is about 3,200 meters in length with a new East Bound structure comprised of concrete box girder bridges each approximately 26 meters wide, 40 meters high and 140 meters in length. Also included is 2,260 meters of striping and overlay on existing structures and 1,000 meters of striping and paving of roadway.

Portions of the item of work for Roadway Excavation (Type H) have been determined to be RCRA Hazardous for lead and not Type H. Instead of the planned excavate and direct off haul, the contractor will excavate and stockpile this material, then collect soil samples and perform laboratory analyses. Upon review and approval by the engineer, the designated material will be transported, stabilized and disposed of at an approved facility.

This work will be performed as an increase in contract items at contract unit price for Bid Item 11 Temporary Cover at an estimated cost of \$3,000, and as extra work Unit Price at an estimated cost of \$298,617.75; for a total Change Order cost of \$301,617.75, which can be financed from the contingency funds.

A cost estimate is on file.

As this change does not affect the controlling operations, no adjustment of contract time is warranted.

Maintenance concurrence is not required since this does not effect any permanent roadway features.

CONCURRED BY:		ESTIMATE OF COST	
Construction Engineer: JEANNIE BALDERRAMOS	Date 11-16-12	THIS REQUEST	TOTAL TO DATE
Bridge Engineer:	Date	ITEMS \$3,000.00	\$3,000.00
Project Engineer: GABRIEL TCRUZ	Date 11/19/12	FORCE ACCOUNT \$0.00	\$0.00
Project Manager: KEN TERPSTRA	Date	AGREED PRICE \$298,617.75	\$298,617.75
FHWA Rep.:	Date	ADJUSTMENT \$0.00	\$0.00
Environmental: DRAGOMIR BOGDANIC	Date	TOTAL \$301,617.75	\$301,617.75
Other (specify): JAIME GUTIERREZ Sr. Design En	Date 11/19/12	FEDERAL PARTICIPATION	
Other (specify):	Date	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING	
District Prior Approval By:	Date	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
HQ (Issue Approve) By:	Date	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS	
Resident Engineer's Signature:	Date 11-16-12	FEDERAL FUNDING SOURCE	PERCENT

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO 50	Suppl. No. 0	Contract No. 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
--------	--------------	--------------------------	------------------------	---------------------------

To: FLATRION WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

For portions of the Type H soil which have been identified as having levels of contamination determined to exceed the RCRA Hazardous levels for Lead: Instead of the initially planned excavate and haul off directly, the contractor will excavate and stockpile this material, then collect soil samples and perform laboratory analyses. Upon review and approval by the engineer, the designated material will be transported, stabilized and disposed of at an approved facility.

Estimate of Increase in Contract Item at Contract Price:

Item No. 11: TEMPORARY COVER			
1200 M2	(+27.09%)	\$2.50 /M2	+\$3,000.00 (+415.35%)

Any adjustment in compensation due in accordance to Section 4-1.03B(1) "Increases of More than 25 percent", of the standard specifications for the above item is included in the adjustment in compensation at Agreed Unit Price included below, and no further adjustment in compensation will be made.

Estimated total cost for Increase in Contract Item.....\$3,000.00

Extra Work at Unit Price:

Additional cost for ROADWAY EXCAVATION (Type H), for the material which exceeds the RCRA Hazardous levels for lead contamination, which will be transported, stabilized and disposed of at an approved facility:

765 M3 AT \$390.35 / m3 = \$298,617.75

This unit price will be paid in addition to the payment made for this material under contract line item 66.

Estimate of Extra Work at Agreed Unit Price..... \$ 298,617.75

The additional unit price includes the cost of additional handling and stockpiling, loading and hauling the soil to the disposal site, and all additional disposal fees for this material. This unit price includes the required collection of additional field samples and laboratory analytical testing, including providing compiled reports to the Engineer. All truck loads will be covered with a tarp or equivalent approved covering device during transport on the public right of way.

The price includes the cost for coordination of the hauling to the site, as directed by the Engineer, and the cost of flaggers for this operation.

Stormwater Pollution Prevention (SWPP) measures for this portion of the work: the contractor will provide all additional required SWPP Best Management Practices (BMP) measures as required by this change, including providing and covering stockpiles with acceptable covers, maintenance of the covers, and disposal or removal from the site of the used cover material after the stockpiles are hauled off. BMP measures will be paid for at the corresponding contract unit prices (items 8 through 15). The cost of any other SWPP measures (such as updating the SWPP Plan, additional Street Sweeping, or other) is included in the agreed unit price for the new item.

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO 50	Suppl. No. 0	Contract No 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
--------	--------------	-------------------------	------------------------	---------------------------

Measurement: It is considered impractical to measure the quantity for the new extra work item added by this change order in accordance with Standard Specification Section 19-2.08 MEASUREMENT/ For this new item, the quantities will be measured using one of the following calculations:

- If the trucks hauling off the material are weighed, the conversion from weight to volume will be calculated as 2.12 tons (or 1,923 kilograms) per cubic meter (M3). This will be the first choice of method of measurement.
- If the trucks hauling off the material are not weighed, then each fully loaded semi dump truck will be calculated to contain 9.2 cubic meters (M3) of material. This will be the second choice of method of measurement.

The agreed unit price for this new item, along with the contract pay items, constitutes full and complete compensation, including all markups, for these changes.

The agreed price excludes the cost for local waste tax, fee or surcharge (such as the Alameda County Facility Fee, or California State Board of Equalization fee); any such tax, fee or surcharge will be reimbursed to the contractor separately.

Estimated cost of Extra Work at Agreed Unit Price\$298,617.75

KA

Estimated Cost: Increase Decrease \$301,617.75

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by
 Signature *Jeannie Balderramos* Resident Engineer JEANNIE BALDERRAMOS Date 11-16-12

Approval Recommended by
 Signature *Deanna Vilcheck* Area Construction Manager DEANNA VILCHECK Date 11/19/12

Engineer Approval by
 Signature *Deanna Vilcheck* Area Construction Manager DEANNA VILCHECK Date 12/3/12

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

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by
 Signature *[Signature]* (Print name and title) F. OXARROS U.P. Date 11/29/12

6F

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO: 54	Suppl. No. 0	Contract No. 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: FLATIRON WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Extra Work at Force Account:

Install additional SWPPP (Storm Water Pollution Prevention Program) and BMP (Best Management Practices) measures as directed by the Engineer.

This work will be paid in accordance with Contract Special Provisions Section 5-1.11 Force Account Payment and Standard Specification Section 4-1.03D Extra Work.

Estimated cost of Extra Work at Force Account\$200,000.00

Estimated Cost: Increase Decrease \$200,000.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by

Signature <i>J. Balderramos</i>	Resident Engineer JEANNIE BALDERRAMOS	Date 5-13-2013
---------------------------------	--	----------------

Approval Recommended by

Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 5/16/13
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Engineer Approval by

Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 5/28/13
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We the undersigned contractor, have given careful consideration to the change proposed and agree, if this proposal is approved, that we will provide all equipment, furnish the materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by

Signature <i>[Signature]</i>	(Print name and title) <i>F. Dantes U.P.</i>	Date 5/29/13
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U.P.

CONTRACT CHANGE ORDER MEMORANDUM

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS		FILE: E.A. 04 - 0120M4
FROM: JEANNIE BALDERRAMOS		CO-RTE-PM 04-ALA-80-1.6/2.7
		FED. NO. NO FED AID
CCO#: 54	SUPPLEMENT#: 0	Category Code: CCCA
CONTINGENCY BALANCE (incl. this change)		\$9,764,131.46
COST: \$200,000.00	INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>	HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
SUPPLEMENTAL FUNDS PROVIDED: \$22,360.00		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
CCO DESCRIPTION: Extra SWPPP and BMP Measures		PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)
Percentage Time Adjusted: (including this change) 0 %		Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

Extra work for SWPPP (Storm Water Pollution Prevention Program) and BMP (Best Management Practices) as directed by the Engineer.

The Oakland Touchdown Project Phase II (OTD2) provides for the construction of the last remaining concrete box girder frame of the Oakland Touchdown structure and the construction of the remaining eastern roadway approach as part of the new east span of the San Francisco Oakland Bay Bridge (SFOBB).

Michael Stone, SFOBB Corridor Scheduler, indicated that the Original Designated Portion of Work (DP1) completion date was November 11, 2012. Contract Change Order 64 adds 188 days to May 18, 2013. During the time from November 11, 2012 to Labor Day 2013 Seismic Safety Opening of SFOBB start Contractor had no planned work and would not have needed for SWPPP measures. Thus between November 12, 2012 and the start of the SSO closure, the Department is fully responsible for the SWPPP measures. Additionally, significant amount of extra work have been added to the Contract. For these reasons, this change will address the increase in SWPPP measures not anticipated in the Original Contract.

This work is not covered by original contract; therefore, compensation for this work shall be at extra work at force account for an estimated cost of \$200,000.00, of which \$22,360.00 in supplemental funds were allotted for this work. The remaining balance of \$177,640.00 will be financed from the contingency funds. A cost analysis is on file in the project records.

No adjustment of the contract time is warranted, as this change does not affect the controlling operation.

Maintenance concurrence is not required as this change doesn't affect any permanent roadway features.

CONCURRED BY:		ESTIMATE OF COST	
Construction Engineer: JEANNIE BALDERRAMOS <i>JB</i> Date 6-7-13	Date	THIS REQUEST	TOTAL TO DATE
Bridge Engineer:	Date	ITEMS	\$0.00
Project Engineer: GABRIEL TCRUZ	Date	FORCE ACCOUNT	\$200,000.00
Project Manager: KEN TERPSTRA	Date	AGREED PRICE	\$0.00
FHWA Rep.:	Date	ADJUSTMENT	\$0.00
Environmental:	Date	TOTAL	\$200,000.00
Other (specify): JAIME GUTIERREZ Sr. Dgn Engr	Date	FEDERAL PARTICIPATION	
Other (specify):	Date	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING	
District Prior Approval By:	Date	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
HQ (Issue Approve) By:	Date	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS	
Resident Engineer's Signature:	Date	FEDERAL FUNDING SOURCE	PERCENT

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO: 55	Suppl. No. 0	Contract No. 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: FLATRION WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Extra Work at Force Account:

Maintain temporary access road as deemed necessary by the Engineer.

This work will be paid for in accordance with Section 5-1.11 "Force Account Payment" of the Special Provisions and Section 4-1.03D "Extra Work" of the Standard Specifications.

Estimated cost of Extra Work at Force Account\$50,000.00

KA

Estimated Cost: Increase Decrease \$50,000.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by

Signature <i>J. Balderramos</i>	Resident Engineer JEANNIE BALDERRAMOS	Date 3-13-13
---------------------------------	--	--------------

Approval Recommended by

Signature <i>J. Balderramos</i>	Construction Engineer JEANNIE BALDERRAMOS	Date 3-13-13
---------------------------------	--	--------------

Engineer Approval by

Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 4/9/13
----------------------------------	--	-------------

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

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by

Signature <i>[Signature]</i>	(Print name and title) <i>F. Dream V.P.</i>	Date 3/27/13
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GFA

CONTRACT CHANGE ORDER MEMORANDUM

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS		FILE: E.A. 04 - 0120M4	
FROM: JEANNIE BALDERRAMOS		CO-RTE-PM 04-ALA-80-1.6/2.7	
CCO#: 55		SUPPLEMENT#: 0	
Category Code: CJTC		CONTINGENCY BALANCE (incl. this change) \$117,451.27	
COST: \$50,000.00		INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>	
SUPPLEMENTAL FUNDS PROVIDED: \$0.00		HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
CCO DESCRIPTION: Maintain Temporary Access Road		PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM	
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 188 Day(s)	Percentage Time Adjusted: (including this change) 16 %
			Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

Labor, equipment, and materials to maintain the access road as deemed necessary by the Engineer.

The Oakland Touchdown 2 (OTD2) provides for the construction of the last remaining concrete box girder frame of the Oakland Touchdown structure and the construction of the remaining eastern roadway approach as part of the new east span of the San Francisco Oakland Bay Bridge (SFOBB).

OTD2 job site also provides access and egress for two adjacent contractors and contract administrators. The volume and type of traffic is heavier than what was anticipated by the contract. Maintaining a rideable and safe road for both light and heavy vehicles require regular up-keep.

Compensation shall be paid as extra work at force account at an estimated cost of \$50,000.00, which shall be financed from the contract's contingency fund. A cost analysis is on file.

No adjustment of the contract time is warranted, as this change does not affect the controlling operation.

Maintenance concurrence is not required as this change doesn't affect any permanent roadway features.

CONCURRED BY:		ESTIMATE OF COST	
Construction Engineer: JEANNIE BALDERRAMOS <i>JB</i>	Date 4-8-13	ITEMS	THIS REQUEST TOTAL TO DATE
Bridge Engineer:	Date	FORCE ACCOUNT	\$0.00 \$0.00
Project Engineer: GABRIEL TCRUZ	Date 4/11/13	AGREED PRICE	\$50,000.00 \$50,000.00
Project Manager: KEN TERPSTRA <i>KT</i>	Date 4/16/13	ADJUSTMENT	\$0.00 \$0.00
FHWA Rep.:	Date	TOTAL	\$50,000.00 \$50,000.00
Environmental:	Date	FEDERAL PARTICIPATION	
Other (specify): JAIME GUTIERREZ Sr. Dgn Engr	Date 4/11/13	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE	
Other (specify):	Date	<input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING	
District Prior Approval By:	Date	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
HQ (Issue/Approve) By:	Date	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS	
Resident Engineer's Signature: <i>J. Balderramos</i>	Date 4-8-13	FEDERAL FUNDING SOURCE	PERCENT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TOLL BRIDGE

FUNCTIONAL SUPERVISOR
 JAIME E. GUTIERREZ

DESIGNED BY
 SHI F. LAM

CHECKED BY
 EMILY TANG

REVISOR
 SHI F. LAM

DATE REVISOR
 EMILY TANG

RIGHT OF WAY LIMITS ARE INDETERMINATE,
 AND ARE NOT SHOWN. THE CONTRACTOR
 MUST CONTACT RIGHT OF WAY ENGINEERING
 AT THE DISTRICT OFFICE FOR CONDITIONS
 OF USE PRIOR TO COMMENCING WORK.

MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
△	5/14/13	ADDITIONAL PAVEMENT DELINEATION	SL	RP	
△	1/3/13	NEW PAVEMENT DELINEATION PLANS	SL	GT	
REVISIONS					

CONTRACT CHANGE ORDER No. 57
 SHEET 6 OF 20
 04-0120M4



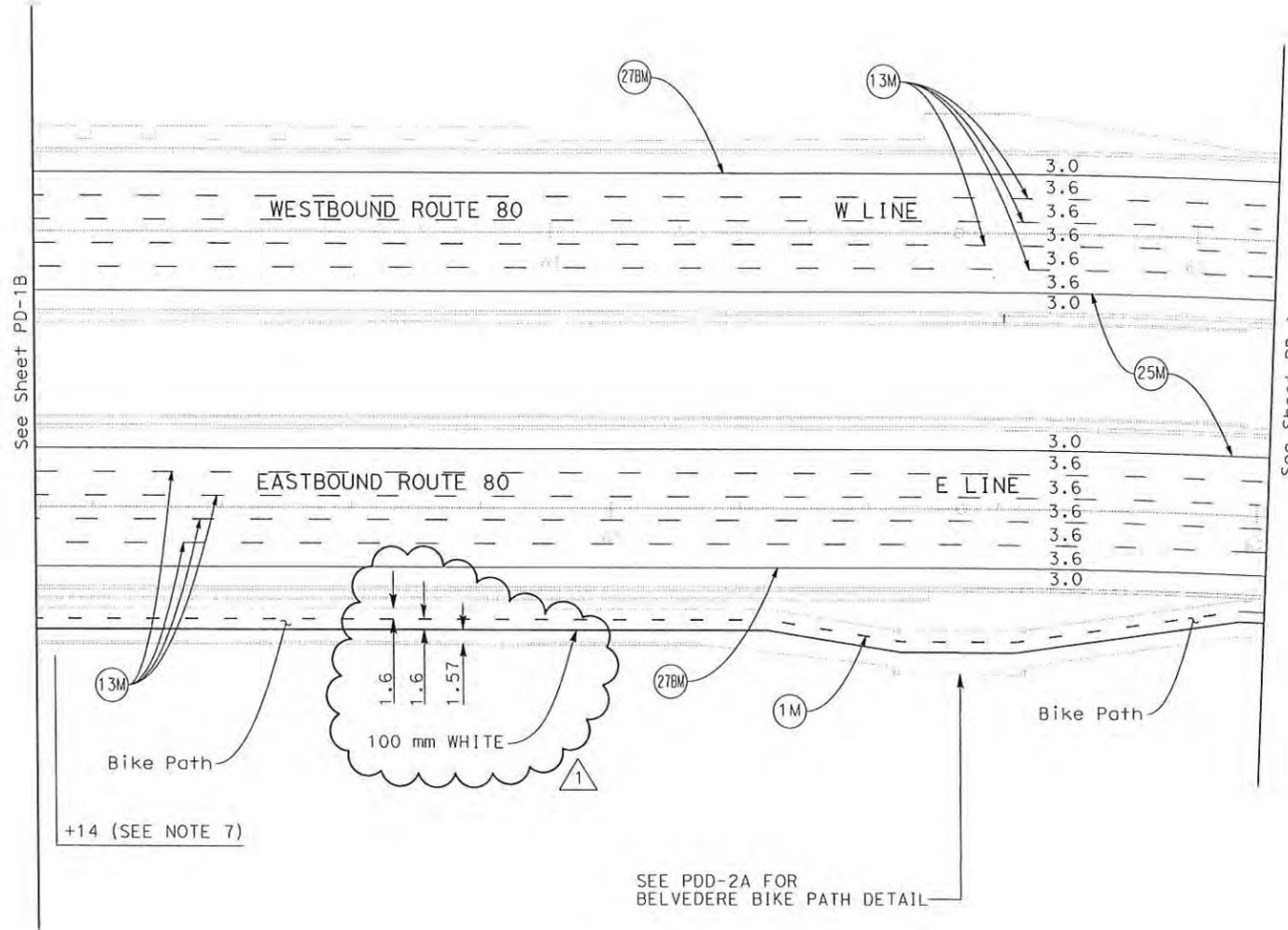
DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	132CR1	744

REGISTERED CIVIL ENGINEER
 Shi F. Lam
 No. 50970
 Exp. 9-30-13
 CIVIL
 STATE OF CALIFORNIA

6-2-11
 DATE
 10-3-11
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

SAN FRANCISCO BAY



SAN FRANCISCO BAY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

PAVEMENT DELINEATION PLAN

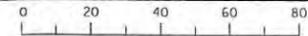
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PD-1C

FOR NOTES, ABBREVIATIONS &/OR LEGEND, SEE SHEET PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION ONLY.

RELATIVE BORDER SCALE IS IN MILLIMETERS



USERNAME => s120183
 DGN FILE => 40120mna001c.cco

CU 04251

EA 0120M1

RIGHT OF WAY LIMITS ARE INDETERMINATE, AND ARE NOT SHOWN. THE CONTRACTOR MUST CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE FOR CONDITIONS OF USE PRIOR TO COMMENCING WORK.

MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
△2	5/14/13	ADDITIONAL PAVEMENT DELINEATION.	SL	RP	
△1	1/3/13	MARKED LOCATION OF TYPICAL BIKE PATH DETAIL.	SL	GT	
REVISIONS					

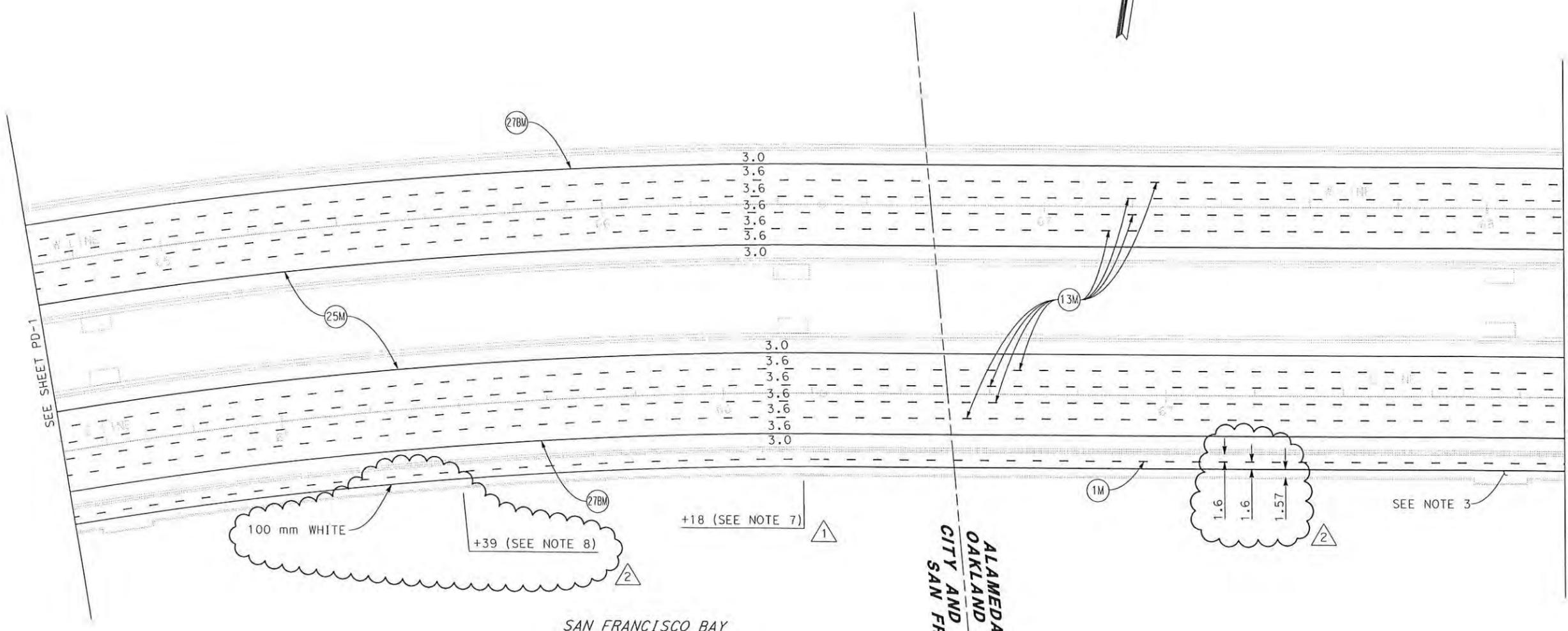
CONTRACT CHANGE ORDER No. 57
 SHEET 7 OF 20
 0A-0120M4



Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	133R2	744

REGISTERED CIVIL ENGINEER
 Shi F. Lam
 No. 50970
 Exp. 9-30-11
 CIVIL
 STATE OF CALIFORNIA
 6-1-11 DATE
 10-3-11 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

SAN FRANCISCO BAY



SAN FRANCISCO BAY

ALAMEDA COUNTY,
 OAKLAND CITY LIMIT,
 CITY AND COUNTY OF
 SAN FRANCISCO

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 TOLL BRIDGE
 Caltrans

REVISOR
 SHI F. LAM
 EMILY TANG

DESIGNER
 SHI F. LAM
 EMILY TANG

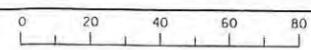
CHECKED BY
 SHI F. LAM
 EMILY TANG

FUNCTIONAL SUPERVISOR
 JAIME E. GUTIERREZ

DATE PLOTTED => 31-MAY-2013
 TIME PLOTTED => 10:28

BORDER LAST REVISED 3/1/2007

RELATIVE BORDER SCALE IS IN MILLIMETERS



USERNAME => s120183
 DGN FILE => 40120mna002.ccn

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PAVEMENT DELINEATION PLAN

SCALE 1:500

PD-2

CU 04251

EA 0120M1

RIGHT OF WAY LIMITS ARE INDETERMINATE, AND ARE NOT SHOWN. THE CONTRACTOR MUST CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE FOR CONDITIONS OF USE PRIOR TO COMMENCING WORK.

MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
△3	7/18/13	ADDITIONAL PAVEMENT DELINEATION.	SL	RP	
△2	5/14/13	ADDITIONAL PAVEMENT DELINEATION.	SL	RP	
△1	1/3/13	MARKED LOCATION OF TYPICAL BIKE PATH DETAIL.	SL	GT	

CONTRACT CHANGE ORDER No. 57
 SHEET 8 OF 20
 04-0120M4



FOR REVISION ONLY

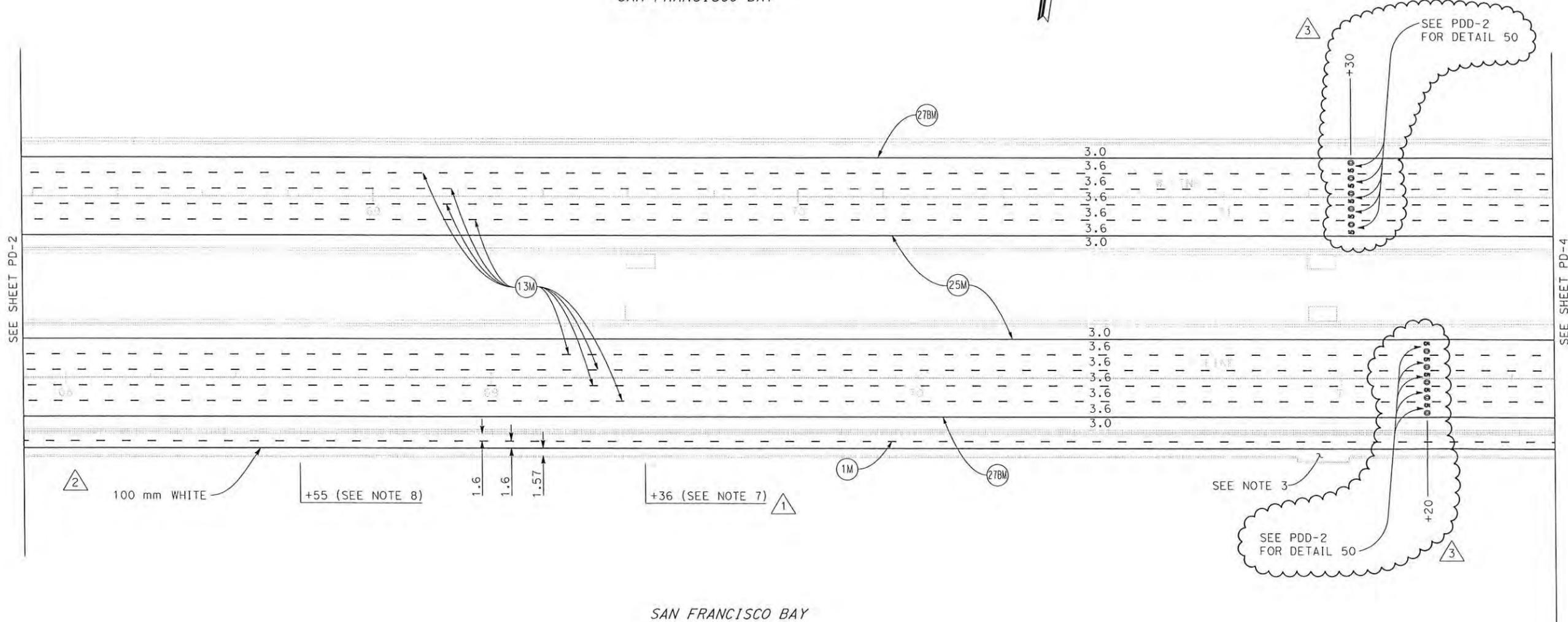


Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	134R3	744

REGISTERED CIVIL ENGINEER DATE 6-1-11
 10-3-11
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

SAN FRANCISCO BAY



SAN FRANCISCO BAY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN
PAVEMENT DELINEATION PLAN
 SCALE 1:500

FOR NOTES, ABBREVIATIONS &/OR LEGEND, SEE SHEET PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

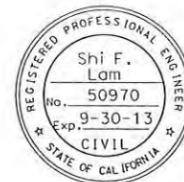
PD-3

RIGHT OF WAY LIMITS ARE INDETERMINATE, AND ARE NOT SHOWN. THE CONTRACTOR MUST CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE FOR CONDITIONS OF USE PRIOR TO COMMENCING WORK.

MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
2	5/14/13	ADDITIONAL PAVEMENT DELINEATION.	SL	RP	
1	1/3/13	ADDED STRIPING DETAIL 14M. MARKED LOCATION OF TYPICAL BIKE PATH DETAIL.	SL	GT	

REVISIONS

CONTRACT CHANGE ORDER No. 57
 SHEET 9 OF 20
 04-0120M4



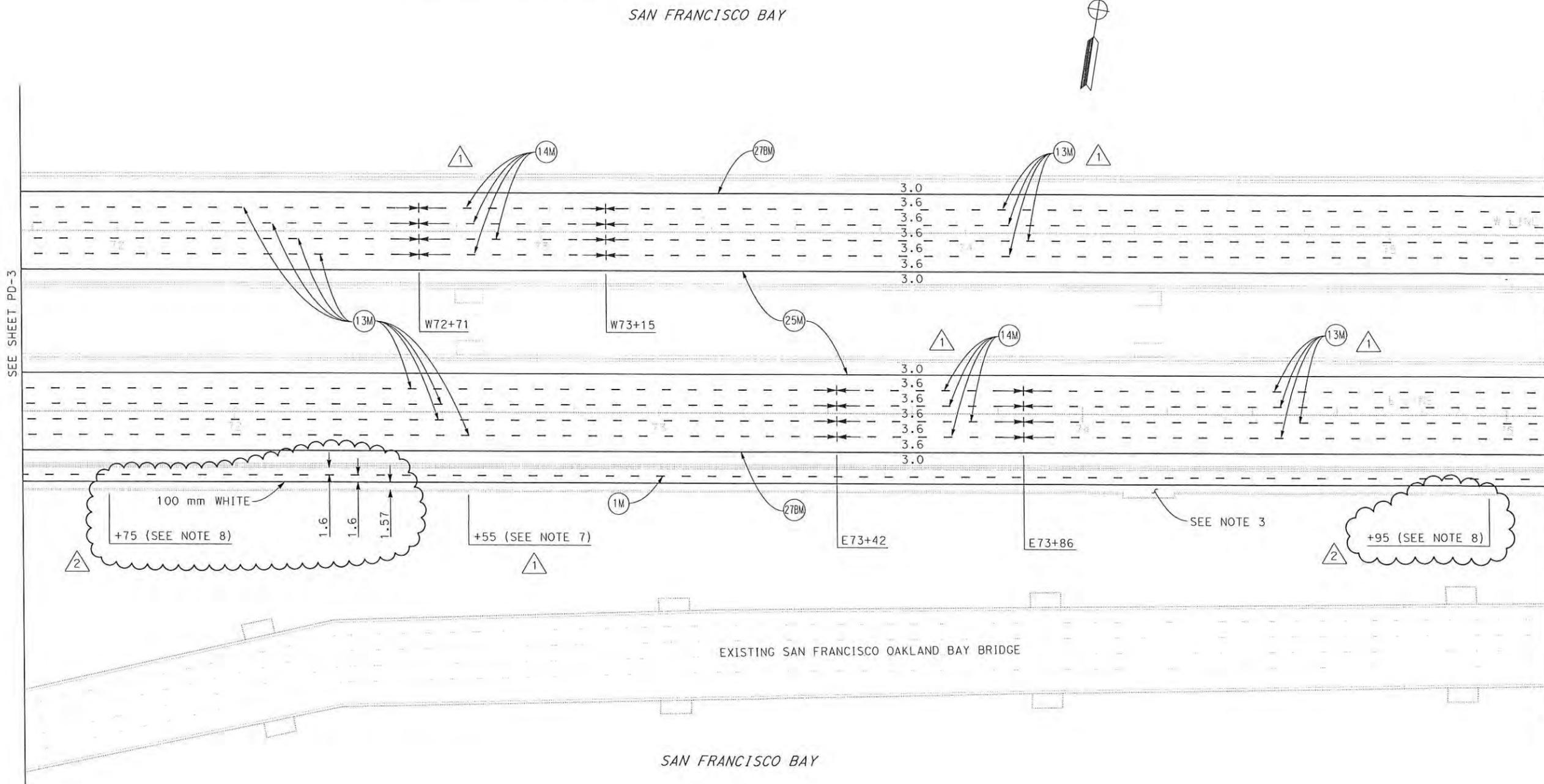
FOR REVISION ONLY



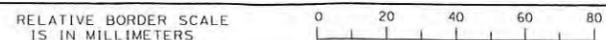
Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	135R2	744

REGISTERED CIVIL ENGINEER DATE 6-1-11
 10-3-11 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TOLL BRIDGE
 FUNCTIONAL SUPERVISOR
 JAIME E. GUTIERREZ
 CALCULATED-DESIGNED BY
 CHECKED BY
 SHI F. LAM
 EMILY TANG
 REVISED BY
 DATE REVISED



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN
PAVEMENT DELINEATION PLAN
 SCALE 1:500
PD-4



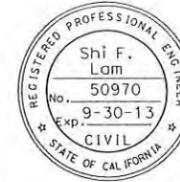
FOR NOTES, ABBREVIATIONS &/OR LEGEND, SEE SHEET PD-1
 THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY
 USERNAME => s120183
 DGN FILE => 40120mna004.cco

CU 04251 EA 0120M1

RIGHT OF WAY LIMITS ARE INDETERMINATE, AND ARE NOT SHOWN. THE CONTRACTOR MUST CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE FOR CONDITIONS OF USE PRIOR TO COMMENCING WORK.

MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
△2	5/14/13	ADDITIONAL PAVEMENT DELINEATION.	SL	RP	
△1	1/3/13	MARKED LOCATION OF TYPICAL BIKE PATH DETAIL.	SL	GT	
REVISIONS					

CONTRACT CHANGE ORDER No. 57
 SHEET 10 OF 20
 04-0120MA



FOR REVISION ONLY

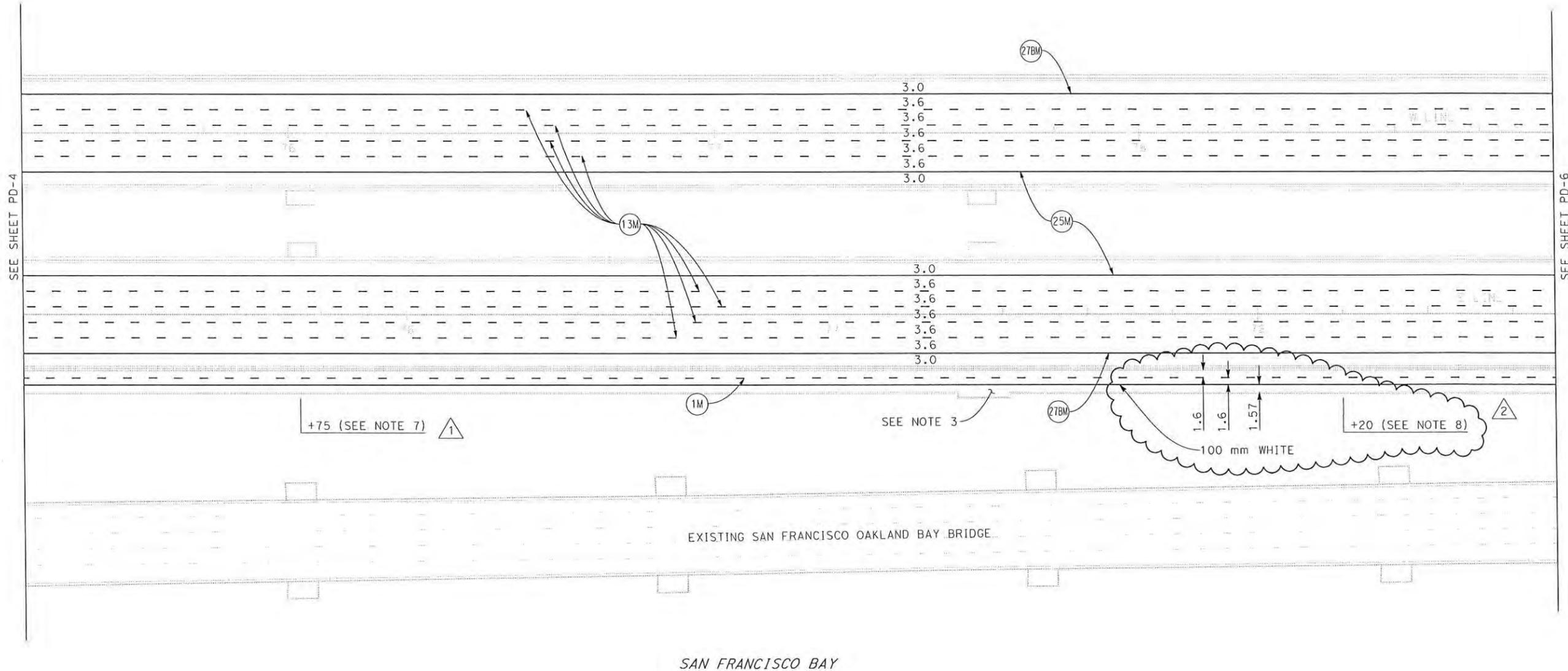


Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	136R2	744

REGISTERED CIVIL ENGINEER DATE 6-1-11
 10-3-11
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

SAN FRANCISCO BAY



SAN FRANCISCO BAY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN
PAVEMENT DELINEATION PLAN
 SCALE 1:500

FOR NOTES, ABBREVIATIONS &/OR LEGEND, SEE SHEET PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PD-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TOLL BRIDGE

FUNCTIONAL SUPERVISOR
 JAIME E. GUTIERREZ

CALCULATED-DESIGNED BY
 CHECKED BY

SHI F. LAM
 EMILY TANG

REVISED BY
 DATE REVISED

RIGHT OF WAY LIMITS ARE INDETERMINATE, AND ARE NOT SHOWN. THE CONTRACTOR MUST CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE FOR CONDITIONS OF USE PRIOR TO COMMENCING WORK.

MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
△2	5/14/13	ADDITIONAL PAVEMENT DELINEATION.	SL	RP	
△1	1/3/13	ADDED STRIPING DETAIL 14M. MARKED LOCATION OF TYPICAL BIKE PATH DETAIL.	SL	GT	

CONTRACT CHANGE ORDER No. 57
 SHEET 11 OF 20
04-0120MA



FOR REVISION ONLY

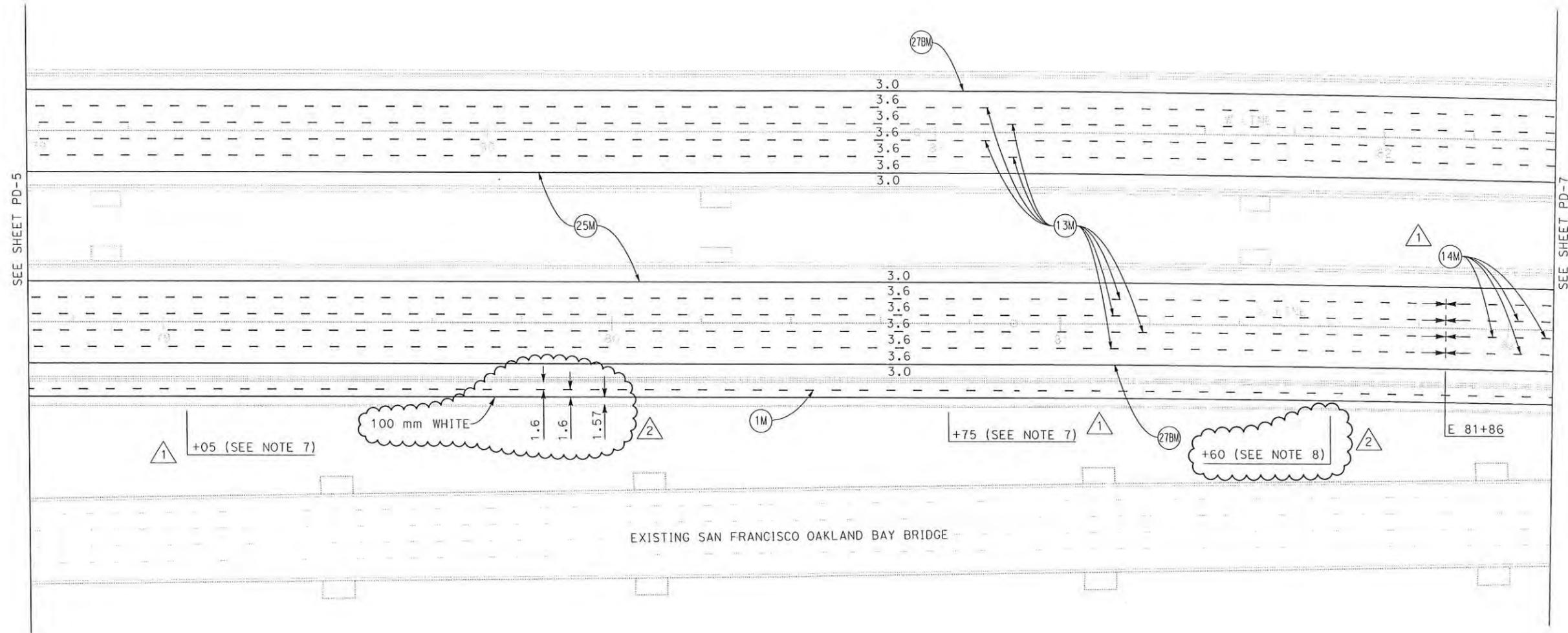


Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	137R2	744

REGISTERED CIVIL ENGINEER DATE 6-1-11
 10-3-11
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

SAN FRANCISCO BAY



SAN FRANCISCO BAY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

PAVEMENT DELINEATION PLAN

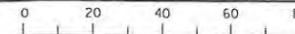
SCALE 1:500

PD-6

FOR NOTES, ABBREVIATIONS &/OR LEGEND, SEE SHEET PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

RELATIVE BORDER SCALE IS IN MILLIMETERS



USERNAME => s120183
 DGN FILE => 40120mna006.cco

CU 04251

EA 0120M1

BORDER LAST REVISED 3/1/2007

LAST REVISION DATE PLOTTED => 31-MAY-2013
 05-14-13 TIME PLOTTED => 10:26

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TOLL BRIDGE

FUNCTIONAL SUPERVISOR
 JAIME E. GUTIERREZ

CALCULATED-DESIGNED BY
 CHECKED BY

SHI F. LAM
 EMILY TANG

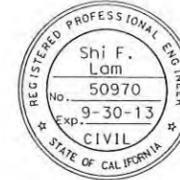
REVISED BY
 DATE REVISED

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
2	5/14/13	ADDITIONAL PAVEMENT DELINEATION.	SL	RP	
1	1/3/13	ADDED STRIPING DETAIL 14M, MARKED LOCATION OF TYPICAL BIKE PATH DETAIL.	SL	GT	

REVISIONS

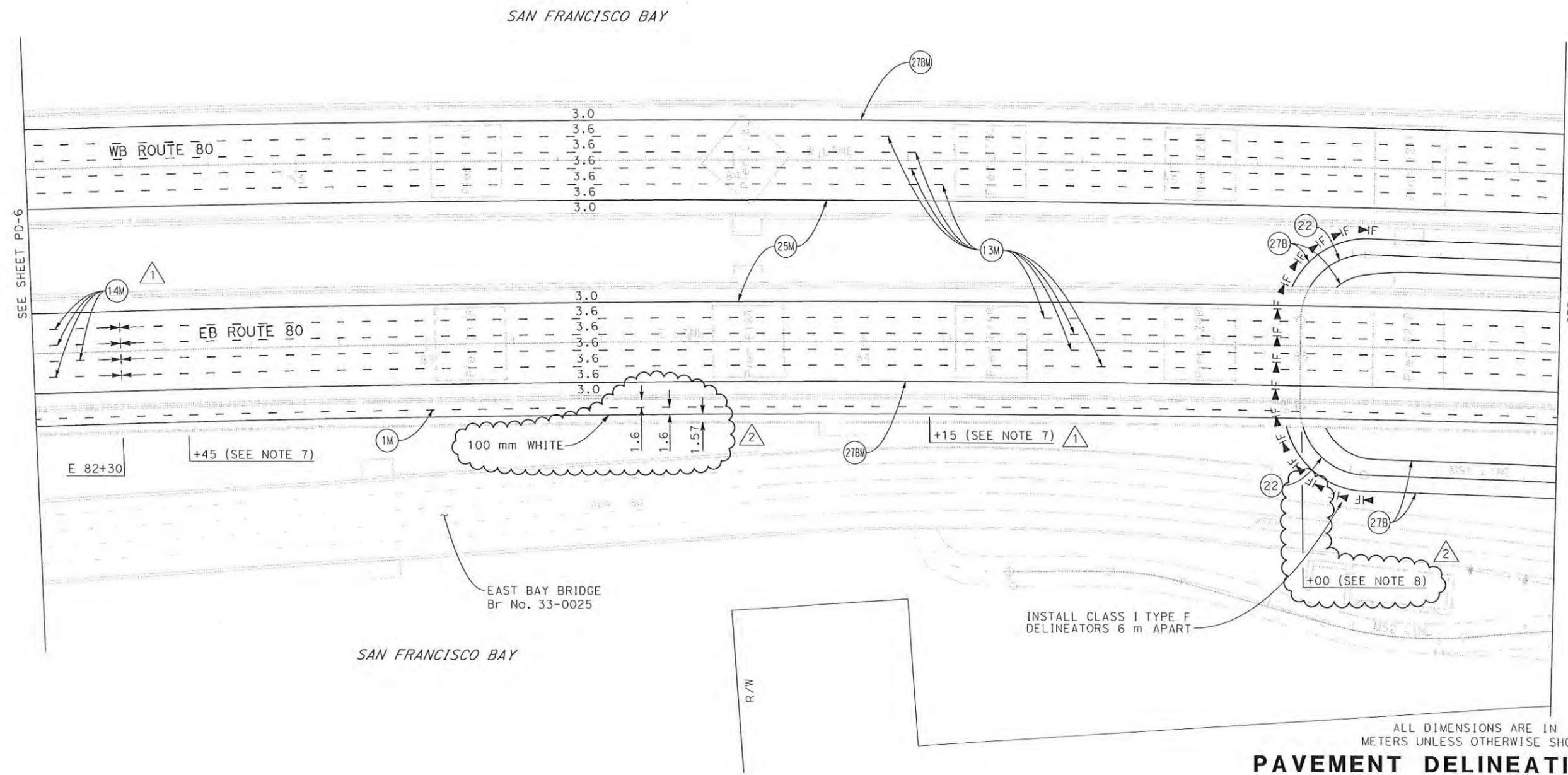
CONTRACT CHANGE ORDER No. 57
 SHEET 12 OF 20
 04-0120MA



Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	138R2	744

REGISTERED CIVIL ENGINEER DATE 6-1-11
 10-3-11 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TOLL BRIDGE
 FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
 SHI F. LAM
 EMILY TANG
 REVISOR: SHI F. LAM
 DATE REVISOR: EMILY TANG



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN
PAVEMENT DELINEATION PLAN
 SCALE 1:500

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
2	7/18/13	ADDED PAVEMENT MARKING "50" ON EASTBOUND, REVISED PAVEMENT DELINEATION.	RO	RP	
1	1/3/13	ADDED STRIPING DETAIL 14M.	RO	GT	

REVISIONS
 CONTRACT CHANGE ORDER No. 57
 SHEET 14 OF 20
 0A-0120MA



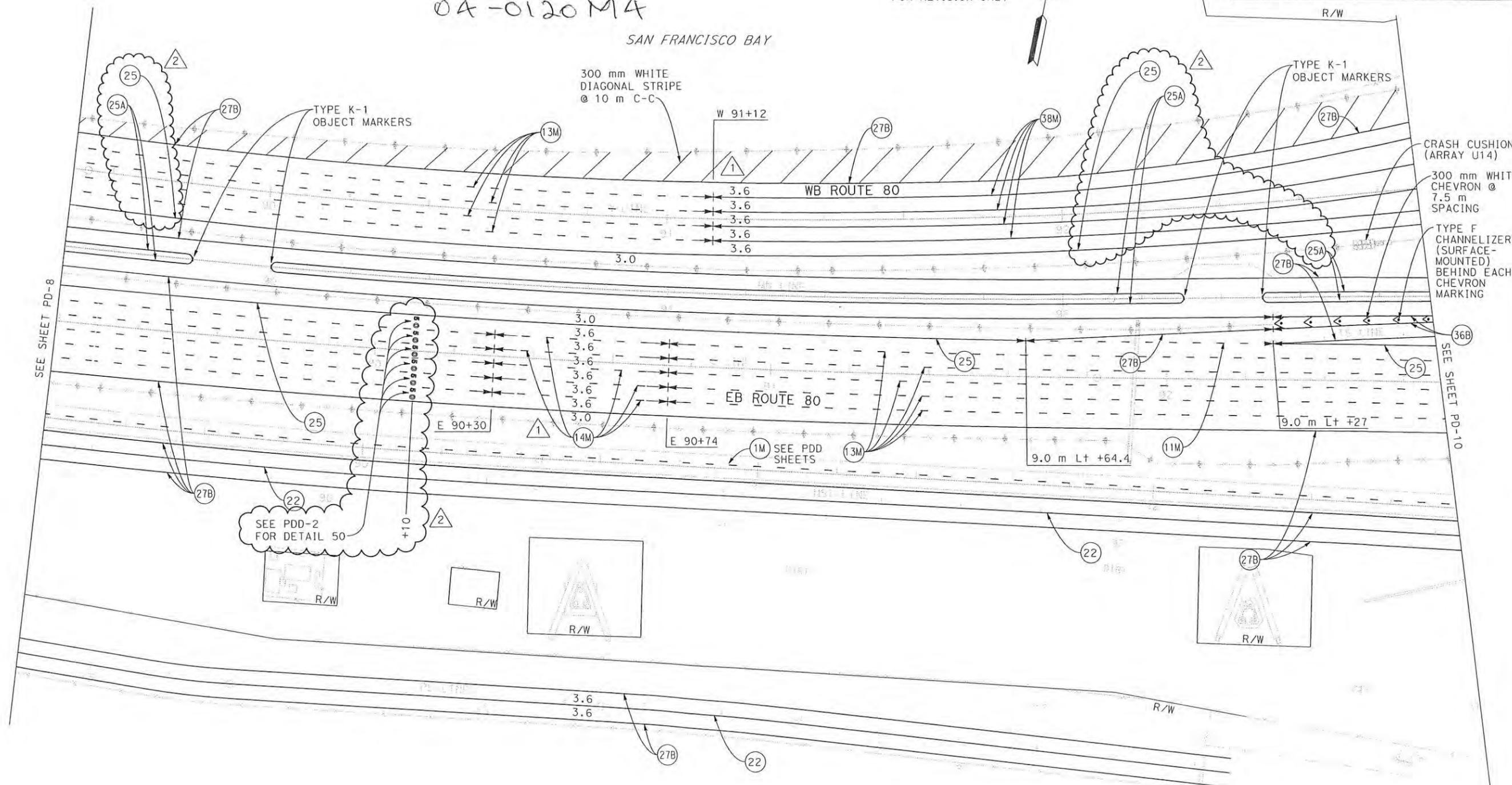
FOR REVISION ONLY



Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	140R2	744

10-3-11
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REVISOR	RODNEY N. OTO
DESIGNER	EMILY TANG
CHECKED BY	JAIM E. GUTIERREZ
FUNCTIONAL SUPERVISOR	JAIM E. GUTIERREZ
DEPARTMENT OF TRANSPORTATION	TOLL BRIDGE



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

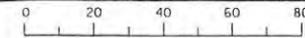
PAVEMENT DELINEATION PLAN

SCALE 1:500

PD-9

FOR NOTES, ABBREVIATIONS &/OR LEGEND, SEE SHEET PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY



FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

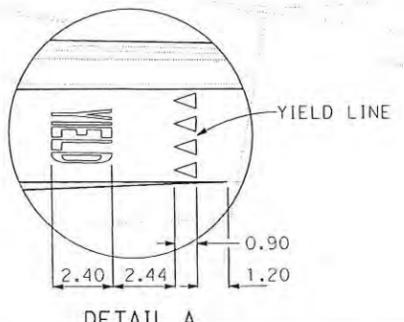
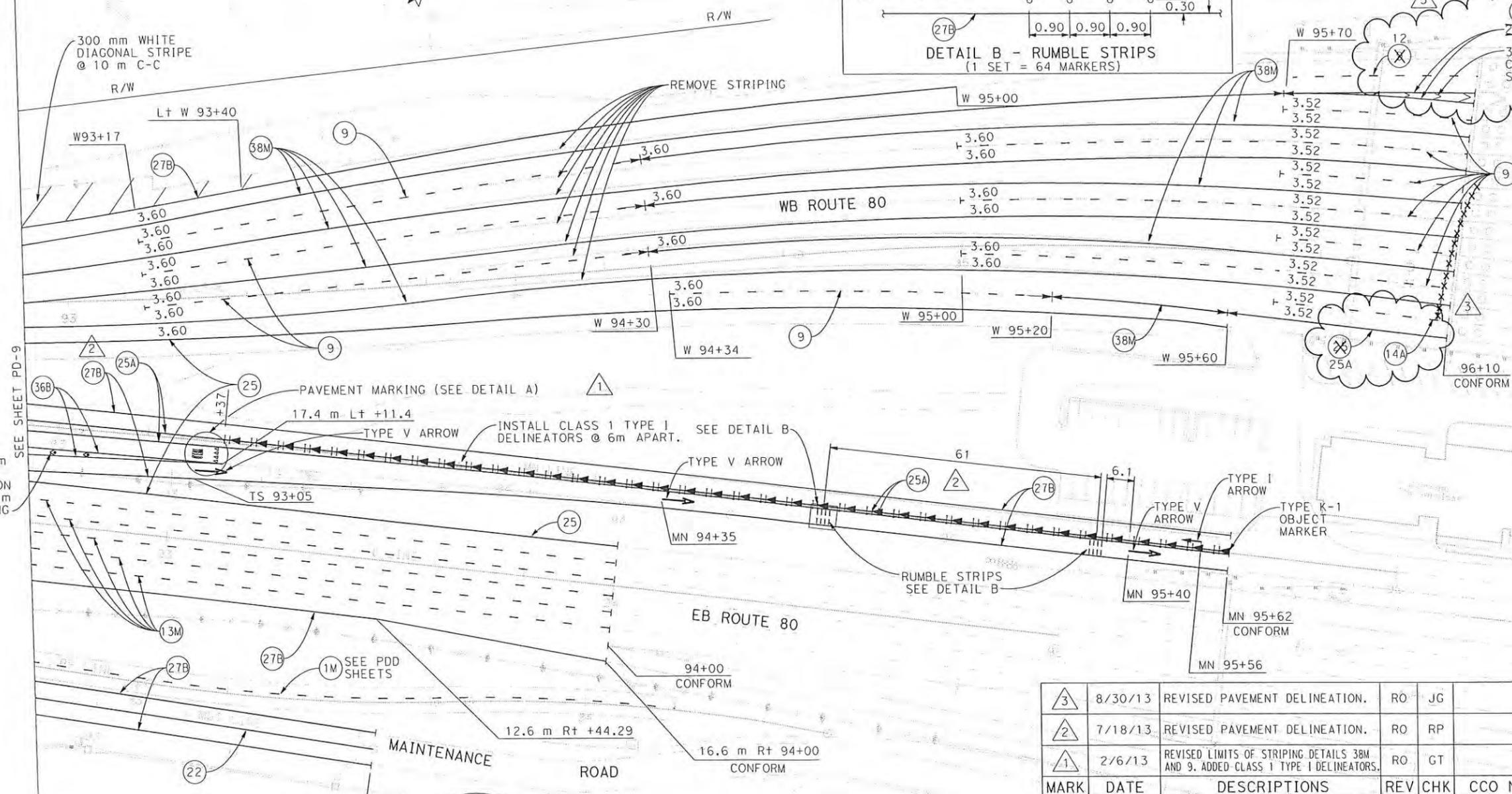
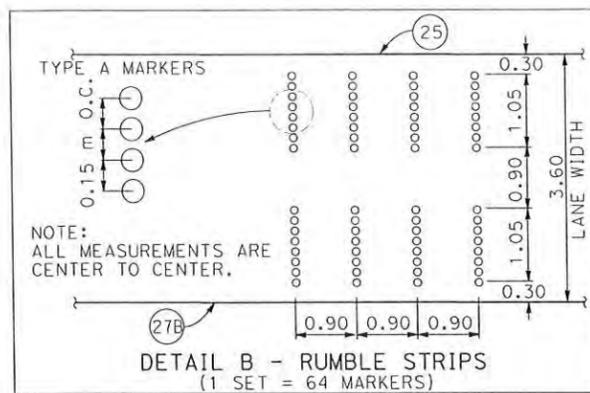
SAN FRANCISCO BAY



Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	141R3	744

REGISTERED CIVIL ENGINEER
 DATE 6-2-11
 PLANS APPROVAL DATE 10-3-11
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

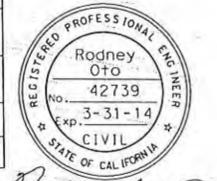
REGISTERED PROFESSIONAL ENGINEER
 Rodney Oto
 No. 42739
 Exp. 3-31-12
 CIVIL
 STATE OF CALIFORNIA



MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
3	8/30/13	REVISED PAVEMENT DELINEATION.	RO	JG	
2	7/18/13	REVISED PAVEMENT DELINEATION.	RO	RP	
1	2/6/13	REVISED LIMITS OF STRIPING DETAILS 38M AND 9. ADDED CLASS 1 TYPE 1 DELINEATORS.	RO	GT	

REVISIONS

CONTRACT CHANGE ORDER No. 57
 SHEET 15 OF 20
 04-0120M4



FOR REVISION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

PAVEMENT DELINEATION PLAN

SCALE 1:500

PD-10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 TOLL BRIDGE
 Caltrans

REVISIONS
 REVISION NO. DATE
 1 10-3-11
 2 7-18-13
 3 8-30-13

RODNEY N. OTO
 EMILY TANG

FUNCTIONAL SUPERVISOR
 JAIME E. GUTIERREZ

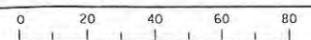
CALCULATED-DESIGNED BY
 CHECKED BY

REVISOR
 DATE

REVISIONS
 REVISION NO. DATE
 1 10-3-11
 2 7-18-13
 3 8-30-13

BORDER LAST REVISED 3/1/2007

RELATIVE BORDER SCALE IS IN MILLIMETERS



USERNAME => s120658
 DGN FILE => 40120mna010r2.cco

CU 04251

EA 0120M1

DATE PLOTTED => 30-AUG-2013
 TIME PLOTTED => 12:18

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO 57	Suppl. No. 0	Contract No. 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
--------	--------------	--------------------------	------------------------	---------------------------

To: FLATIRON WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Incorporate the following changes to the Contract pavement delineation as shown on Pages 3 through 20 of this change order (Contract Plan Sheets No. 132R2, 132AR1, 132BR2, 132CR1, 133R2, 134R3, 135R2, 136R2, 137R2, 138R2, 139R3, 140R2, 141R3, 142R1, 143R2, 143AR2, 145R3 and 146R3):

Estimate of Decrease in Contract Item at Contract Price:

Item No. 179: 75 MM BLACK THERMOPLASTIC TRAFFIC STRIPE
 -9720 M (-100.00%) \$7.00 /M = -\$68,040.00 (-100.00%)

The lump sum compensation provided under this change order includes any adjustment of compensation due in accordance with Section 4-1.03B(3) "Eliminated Items" of the Standard Specifications for the elimination of Contract Bid Item No. 179 and no further adjustments shall be made.

Estimated total cost for Decrease in Contract Item.....(\$68,040.00)

Adjustment of Compensation at Lump Sum:

Provide compensation to the Contractor for all additional costs of placing all added and modified delineation as a result of this change order. Compensation also includes all additional costs incurred as a result of all impacts and obstructions incurred in performing the Stage 1, Phase 2 pavement delineation work due to concurrent work being performed by adjacent contracts.

For this work, the Contractor shall be compensated an agreed lump sum of \$270,790.00 which constitutes full and final compensation, including all markups, complete in place.

All Stage 1, Phase 2 pavement delineation, as shown in the original Contract plans, which have not been modified by this change shall be paid at the Contract bid item prices. These items include all remaining Detail 13M delineation, not replaced by Detail 14M, and all Detail 27BM and Detail 25M delineation except for the placement of the modified 75 mm black shadow strip which is included in the lump sum compensation paid under this change order.

Adjustment of Compensation at Agreed Lump Sum\$270,790.00

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



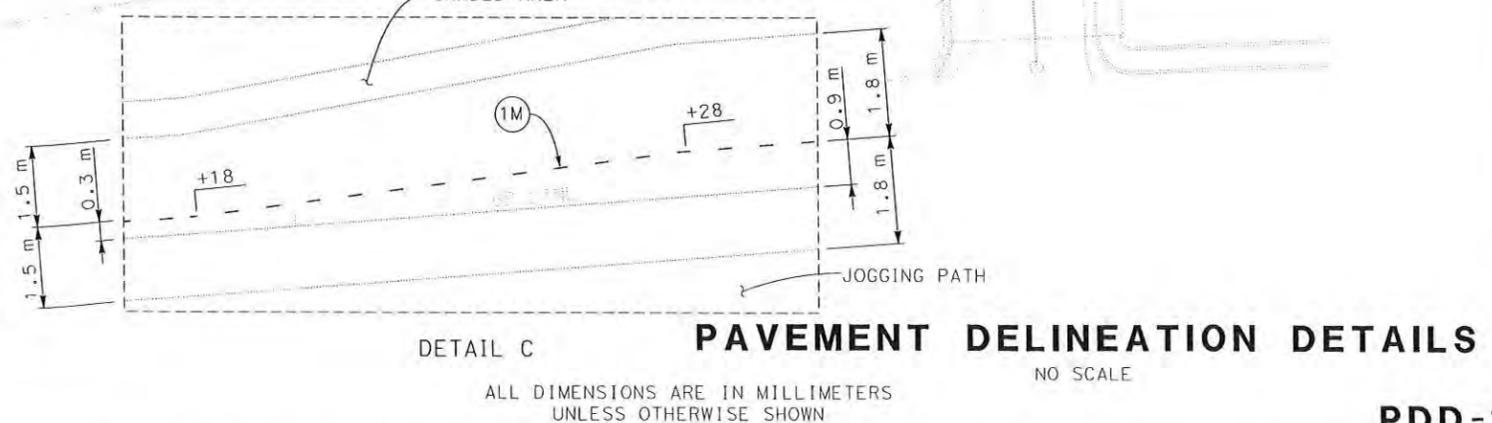
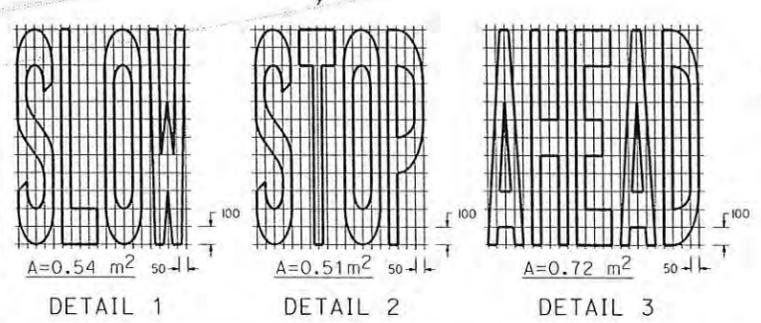
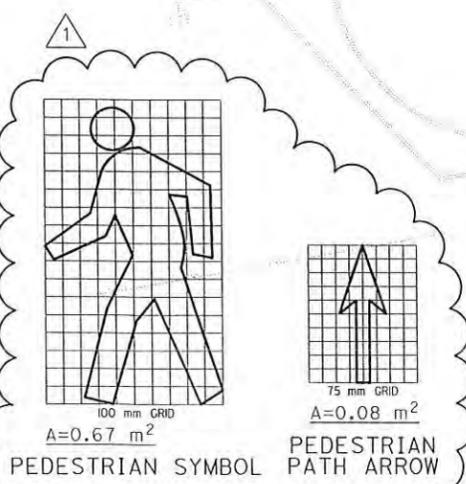
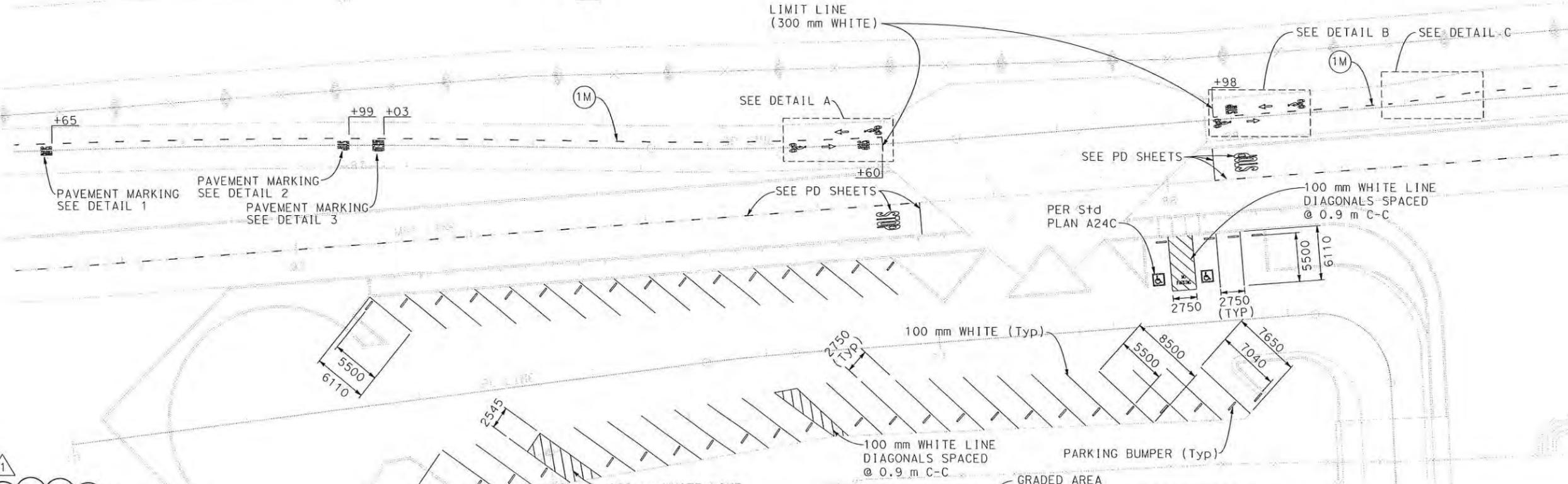
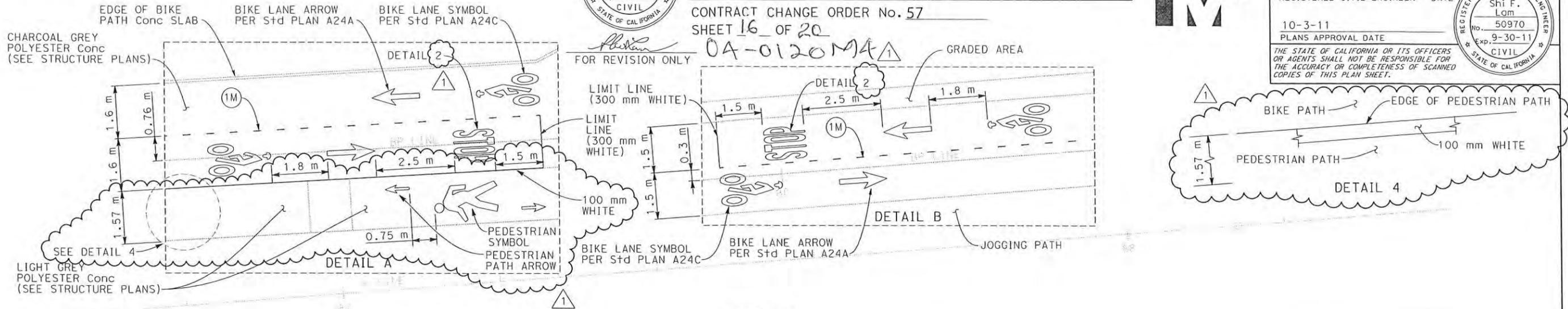
MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
1	5/14/13	ADDITIONAL PAVEMENT DELINEATION	SL	RP	



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	142R1	744

REGISTERED CIVIL ENGINEER: Shi F. Lam, No. 50970, Exp. 9-30-13, CIVIL, STATE OF CALIFORNIA.
 DATE: 6-1-11
 PLANS APPROVAL DATE: 10-3-11
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CONTRACT CHANGE ORDER No. 57
 SHEET 16 OF 20
 0A-0120MA



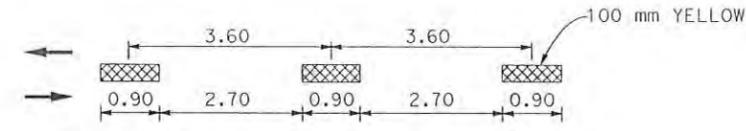
ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

PDD-1

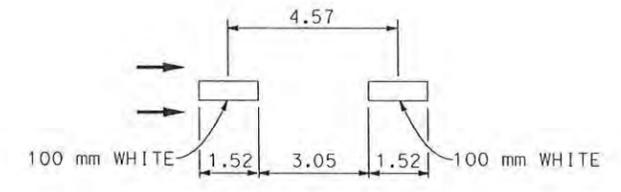
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 TOLL BRIDGE
 Caltrans

REVISOR: SHI F. LAM
 DATE: EMILY TANG

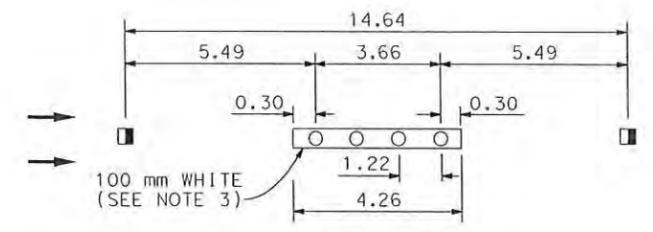
FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
 CHECKED BY:



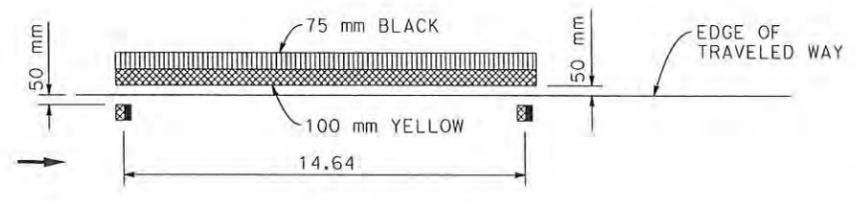
DETAIL 1M



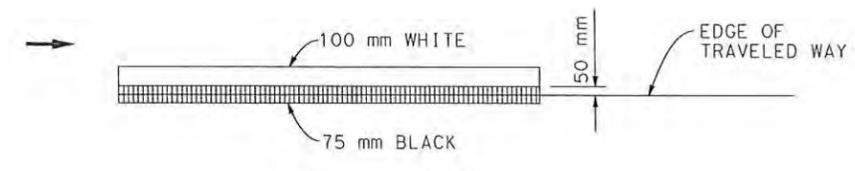
DETAIL 11M



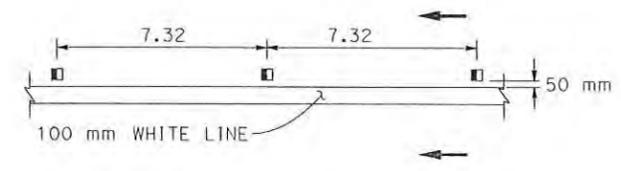
DETAIL 13M



DETAIL 25M



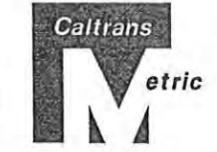
DETAIL 27BM



DETAIL 38M

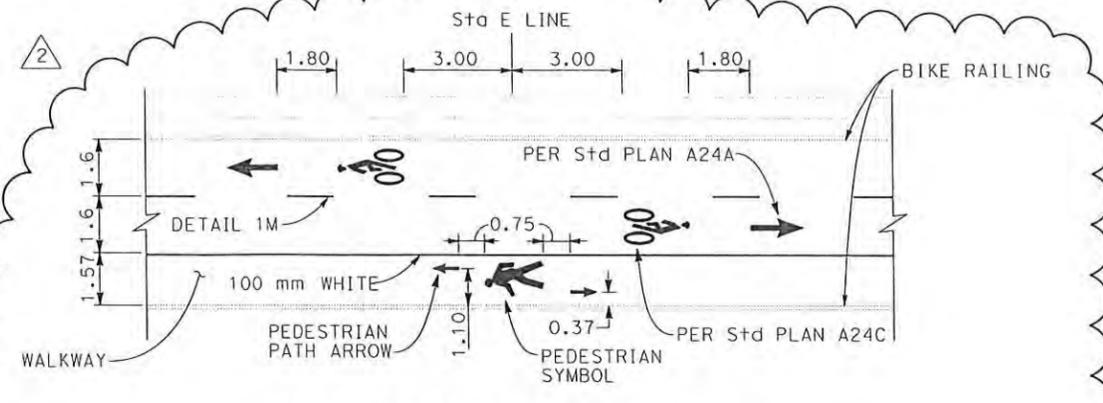
MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
2	5/14/13	ADDITIONAL PAVEMENT DELINEATION; MOVE BELVEDERE DETAIL TO PDD-2A.	SL	RP	
1	1/3/13	NEW DETAIL LOCATIONS	SL	GT	

CONTRACT CHANGE ORDER No. 57
 SHEET 17 OF 20
 0A-0120M4

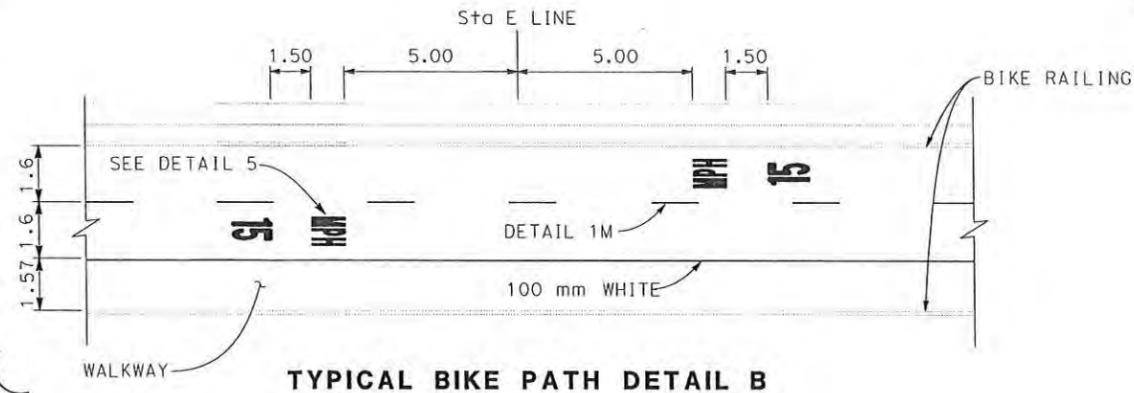


Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	143R2	744

REGISTERED CIVIL ENGINEER: Shi F. Lam, No. 50970, Exp. 9-30-11, CIVIL, STATE OF CALIFORNIA
 DATE: 6-1-11
 PLANS APPROVAL DATE: 10-3-11



TYPICAL BIKE PATH DETAIL A
 (SEE TABLE A FOR LOCATION)



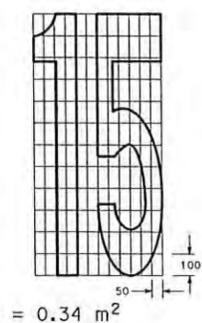
TYPICAL BIKE PATH DETAIL B
 (SEE TABLE B FOR LOCATION)

TABLE A

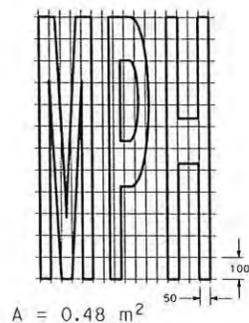
LOCATION
E 57+32
E 58+73
E 60+14
E 63+07
E 66+18
E 69+36
E 72+55
E 75+75
E 79+05
E 80+75
E 82+45
E 84+15
E 85+85

TABLE B

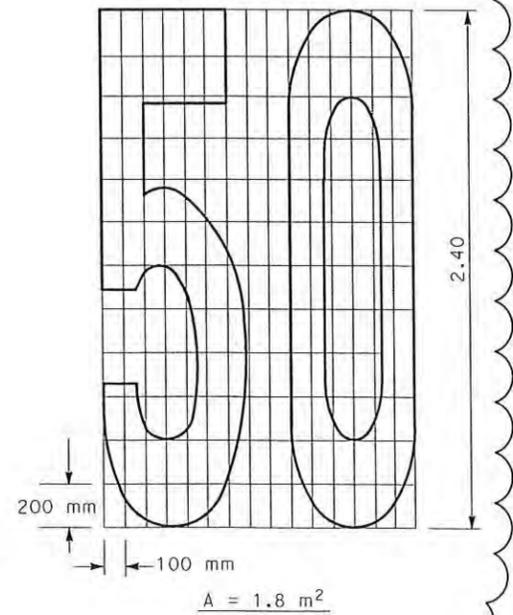
LOCATION
E 56+62
E 59+44
E 62+30
E 65+39
E 68+55
E 71+75
E 74+95
E 78+20
E 81+60
E 85+00



DETAIL 15



DETAIL 5



DETAIL 50

NOTES:

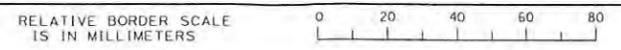
1. DETAILS 1M, 11M, 13M, 25M, 27BM AND 38M ARE MODIFIED PAVEMENT DELINEATION NUMBERS 1, 11, 13, 25, 27B AND 38.
2. FOR DETAILS NOT SHOWN, SEE St'd PLAN A20A, A20B AND A20D.
3. INSTALL 100 mm WHITE AFTER INSTALLING PAVEMENT MARKERS.

PAVEMENT DELINEATION DETAILS

ALL DIMENSIONS ARE IN METERS
 UNLESS OTHERWISE SHOWN

NO SCALE

PDD-2



USERNAME => s120183
 DGN FILE => 40120mnb002r.cco

CU 04251

EA 0120M1

LAST REVISION: DATE PLOTTED => 31-MAY-2013
 05-14-13 TIME PLOTTED => 10:28

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TOLL BRIDGE

FUNCTIONAL SUPERVISOR
 JAIME E. GUTIERREZ

CALCULATED-DESIGNED BY
 SHI F. LAM

CHECKED BY
 EMILY TANG

REVISOR
 DATE

NOTES:

1. DETAIL 14M IS MODIFIED PAVEMENT DELINEATION DETAIL 14.
2. FOR DETAILS NOT SHOWN, SEE STANDARD PLAN A20A.
3. INSTALL 100 mm WHITE THERMOPLASTIC AFTER INSTALLING PAVEMENT MARKERS.



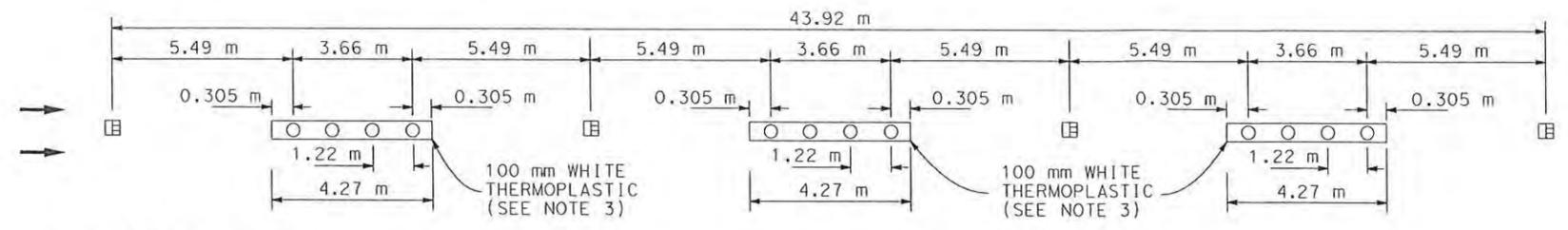
Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	143AR2	744

REGISTERED CIVIL ENGINEER
 Shi F. Lam
 No. 50970
 Exp. 9-30-13
 CIVIL
 STATE OF CALIFORNIA

6-1-11
 DATE

10-3-11
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



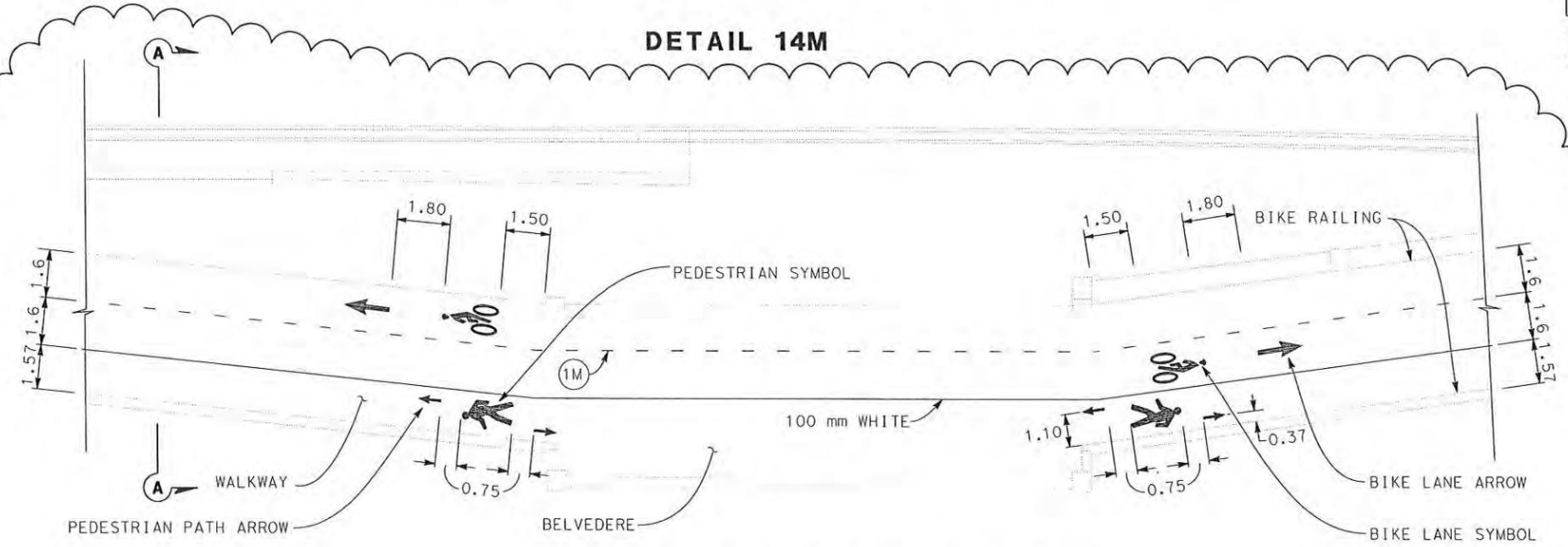
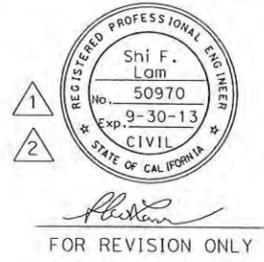
DETAIL 14M

MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
2	5/14/13	ADDITIONAL PAVEMENT DELINEATION	SL	RP	
1	2/19/13	ADDED DETAIL 14M	SL	JG	
0	1/3/13	ADDED NEW PAVEMENT DELINEATION DETAIL SHEET.	SL	GT	

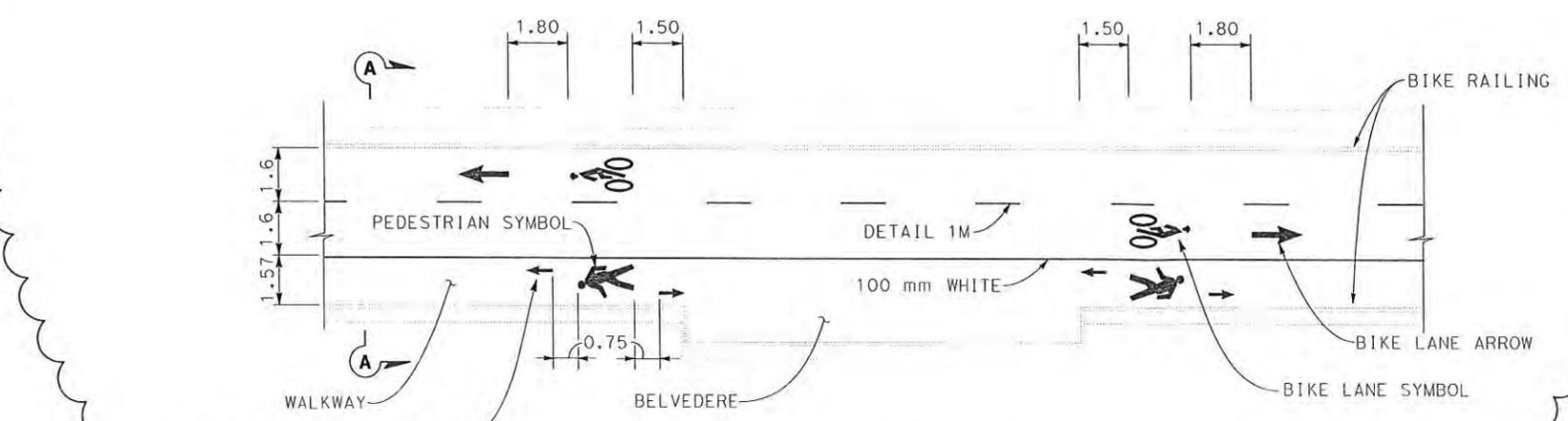
REVISIONS

CONTRACT CHANGE ORDER No. 57

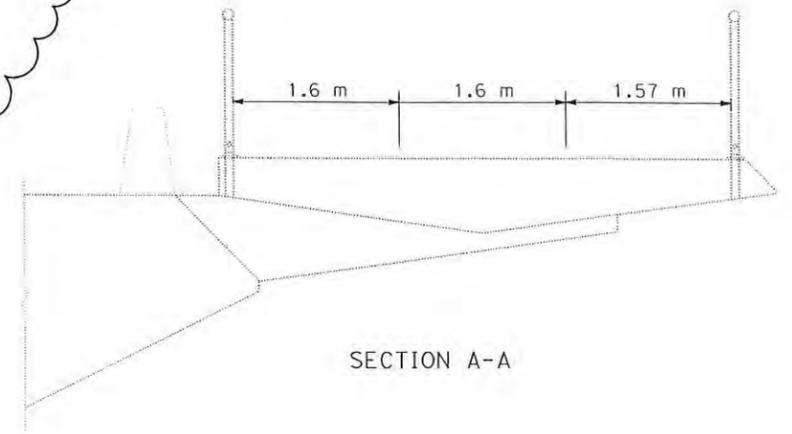
SHEET 18 OF 20
 0A-0120M4



BELVEDERE BIKE PATH DETAIL A
 (SEE PD-1C FOR LOCATION)



BELVEDERE BIKE PATH DETAIL B



SECTION A-A

PAVEMENT DELINEATION DETAILS

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

NO SCALE

PDD-2A

3	7/18/13	REVISED QUANTITIES	RP	GT	
2	5/14/13	REVISED QUANTITIES	RP	GT	
1	1/3/13	REVISED QUANTITIES	RP	GT	
MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
REVISIONS					



Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	146R3	744
Rodrigo Puente		6-2-11		REGISTERED CIVIL ENGINEER DATE	
10-3-11		PLANS APPROVAL DATE		REGISTERED CIVIL ENGINEER	
				Rodrigo Puente	
				No. 58612	
				Exp. 12-31-14	
				CIVIL	
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					

CONTRACT CHANGE ORDER No. 57

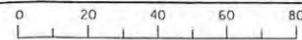
SHEET 20 OF 20
04-0120M4

Rodrigo Puente
FOR REVISION ONLY

PAVEMENT DELINEATION QUANTITIES

STATION LIMITS OR LOCATION	DETAIL NO. OR PERMANENT MARKING	THERMOPLASTIC TRAFFIC STRIPE					THERMOPLASTIC PAVEMENT MARKING			TRAFFIC STRIPE (PAINT) (2-COAT) Δ			PAINT PAVEMENT MARKING (2-COAT)	PAVEMENT MARKER					OBJECT MARKER RETRO-REFLECTIVE	PARKING BUMPER (PRECAST CONCRETE)	CHANNELIZERS (SURFACE MOUNTED)	DELINEATORS (CLASS 1 TYPE F)	DELINEATORS (CLASS 1 TYPE I)			
		100 mm		100 mm White	100 mm White	100 mm White	200 mm White	YELLOW	WHITE	BLUE	100 mm	75 mm	100 mm	(2-COAT)	NON-REFLECTIVE	RETROREFLECTIVE				TYPE K-1	EA	EA	EA	EA		
		YELLOW	WHITE	(BROKEN 10.98-3.66)	(BROKEN 5.18-2.14)	(BROKEN 3.05-1.52)	WHITE	YELLOW	BLACK	WHITE	WHITE	TYPE A	TYPE C	TYPE D	TYPE G	TYPE H	EA	EA	EA	EA						
MS1 85+00 TO 86+22	22	244																								
R+ MS1 85+23.28 TO L+ MN 85+43.34	DELINEATORS																									15
R+ MS2 11+80.75 TO 12+07.80	DELINEATORS																									7
MS1 86+48 TO 87+71.50	22	248																								
MS1 88+05.20 TO 93+62	22	1114																								
MS1 85+00 TO 86+28	27B		138																							
MS2 11+39 TO 12+00	27B		54																							
MS2 11+39 TO 12+10	27B		79																							
MS2 11+39 TO 11+81	22	82																								
MS2 11+81 TO 12+11	29		130																							
MS1 86+46 TO 87+76.50	27B		132																							
MS1 87+95 TO 93+62	27B		568																							
MS2 11+81 TO 12+11	YELLOW DIAGONAL							6.00																		
MS2 12+10	300 mm WHITE								1.80																	
MS2 12+06	STOP								2.04																	
MS2 11+99	ARROW								6.78																	
MS1 87+71.50 TO 88+05	300 mm WHITE								2.16																	
MS1 87+68 TO 88+09	STOP								4.08																	
PL 11+45 TO 15+89	27B		412																							
PL 11+84 TO 12+40	11M					34																				
PL 12+03 TO 12+23	BUS ONLY								3.90																	
PL 11+86 TO 15+89	22	806																								
PL 11+18 TO 15+89	27B		515																							
PL 11+26 TO 11+47	25	56																								5
PL 11+43 TO 11+70	22	54																								
PL 11+66 TO 11+89	STOP								6.12																	
PL 11+70 TO 11+86	300 mm WHITE								3.90																	
PL 11+70 TO 11+97	WHITE DIAGONAL								10.95																	
PL 11+40 TO 11+96	ARROWS								5.02																	
PL 11+26 TO 11+47	YELLOW DIAGONAL							17.40																		
PL 10+36 TO 11+35	27B		375																							
PL 10+36 TO 11+35	DISABLED SYMBOLS								0.21	2.64																
PL 10+36 TO 11+35	300 mm WHITE								2.40																	
PL 10+36 TO 11+35	PARKING BUMPERS																									
BP 86+19 TO 87+60	1M																									43
BP 87+96 TO 94+20	1M																									
E 56+04 TO BP 87+60	100 mm WHITE																									
SHEET TOTAL OF PDQ-2		2604	2403	0	0	34	0	23.40	49.36	2.64	764	0	3184	0	0	0	363	0	5	0	43	0	22	0		
SHEET TOTAL OF PDQ-1		9774	13392	29889	967	63	166	0.00	208.14	0.00	3011	12165	0	79.26	8308	92	40	2461	772	8	0	8	0	39		
SUBTOTAL		12378	15795	29889	967	97	166	23.40	257.50	2.64	3775	12165	3184	79.26	8308	92	403	2461	777	8	43	8	22	39		
TOTAL		28173		29889	967	97	166		283.54			19124		79.26	8308		3733			8	43	8	22	39		

PAVEMENT DELINEATION QUANTITIES PDQ-2



CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO 57	Suppl. No. 0	Contract No. 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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Estimated Cost: Increase Decrease \$202,750.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by		
Signature <i>J. Balderramos</i>	Resident Engineer JEANNIE BALDERRAMOS	Date 10-2-13

Approval Recommended by		
Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 10/3/13

Engineer Approval by		
Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 10/22/13

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

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by		
Signature <i>Michael Costa</i>	(Print name and title) MICHAEL COSTA	Date 10/14/13

CONTRACT CHANGE ORDER MEMORANDUM

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS 			FILE: E.A. 04 - 0120M4	
FROM: JEANNIE BALDERRAMOS			CO-RTE-PM 04-ALA-80-1.6/2.7	
			FED. NO. NO FED AID	
CCO#: 57	SUPPLEMENT#: 0	Category Code: CHPL	CONTINGENCY BALANCE (incl. this change) \$2,946,781.09	
COST: \$202,750.00		INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>	HEADQUARTERS APPROVAL REQUIRED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
SUPPLEMENTAL FUNDS PROVIDED: \$0.00			IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CCO DESCRIPTION: Modification to Pavement delineation			PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM	
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)	Percentage Time Adjusted: (including this change) 0 %	Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

Modifications to the mainline freeway and bike path pavement delineation for the east span of the San Francisco Oakland bay Bridge (SFOBB).

This contract, the Oakland Touchdown 2 (OTD2) provides for the construction of the last remaining concrete box girder frame of the Oakland Touchdown structure and the construction of the remaining eastern roadway approach as part of the new east span of the San Francisco Oakland Bay Bridge (SFOBB).

As part of this work, the contract provides pavement delineation to be placed on the eastbound and westbound mainline along the eastern roadway approach, the OTD structure and the adjacent Skyway structure covering a length of approximately 3,400 meters. Pavement delineation is also placed on the bike path adjacent to the structures and roadway. Toll Bridge Design has issued revised pavement delineation plan sheets which provide for the following major changes:

- 1) Pavement delineation is added to delineate the adjacent SAS structure covering approximately 620 meters of 10 lanes of freeway and the adjacent bike path.
- 2) Numerous pavement markings are added including speed limits on the mainline freeway and pedestrian and bicycle markings and arrows on the bike path.
- 3) A 100 mm strip is added along the entire length of the bike path.
- 4) The black strip shadowing the 4 shoulder strips along the concrete deck of 2,430 meter structure is changed from thermoplastic to paint.

This change order provides for the revised plan sheets to be incorporated into the contract.

Compensation for the added and modified delineation will be paid at an agreed lump sum as requested by the contractor in order to clarify payment being provided for the work. The contractor had fixed cost included in the delineation unit price bid items and an increase in bid item quantities would result in double payment of these costs. The change in the black shadow strip from thermoplastic to paint will result in the elimination of the black thermoplastic strip bid item.

In addition to compensating the contractor for the added delineation costs, an adjustment of compensation will also be provided to account for the following impacts to the work:

- 1) The modification of the black shadow strip from thermoplastic to paint will require the contractor to mobilize a separate striping truck and support crew in addition to the thermoplastic striping truck provided for the as-planned thermoplastic striping work.
- 2) The added 2,430 meters of traffic strip added on the bike path cannot be accessed by traditional striping equipment and will require extensive hand work not typical of the work.
- 3) The pavement delineation placed during Stage 1, Phase 2 stage construction was significantly impacted by obstructions on the structure leading up to the Stage 2 full closure of the SFOBB. Numerous areas were occupied by contractors from adjacent contracts performing their contract work and numerous material and equipment storage areas further impacted the pavement delineation work.

CONTRACT CHANGE ORDER MEMORANDUM

EA: 0120M4 CCO: 57 - 0

DATE: 11/20/2012 Page 2 of 2

Because of these impacts and in order to mitigate delay risks to the planned Seismic Safety Opening of the new SFOBB east span, the contractor performed the majority of the delineation work in piecemeal fashion.

Compensation for placing the added and modified pavement delineation, including all added costs and impacts costs incurred in performing the work, shall be paid as an adjustment of compensation at an agreed lump sum of \$270,790.00. The eliminated black thermoplastic strip will result in the elimination of that item at a savings of \$68,040.00. The total change order cost \$202,750.00 shall be financed from the contract's contingency fund. A detailed estimate is on file.

No adjustment of contract time is necessary as the work will not affect the controlling operation.

Headquarters authority to proceed with the work of this change was issued on August 27, 2013 at an estimated cost of \$400,000.00. Authority to issue and approve the change order was subsequently received on September 27, 2013 at a cost of \$186,844.00. This revised change order provides additional compensation for added pavement markings and support cost which were omitted from the previous version and modifies the method of compensation as detailed above.

Maintenance concurs with this change.

CONCURRED BY:			ESTIMATE OF COST		
Construction Engineer:	JEANNIE BALDERRAMOS	Date 10-2-13	ITEMS	THIS REQUEST (\$68,040.00)	TOTAL TO DATE (\$68,040.00)
Bridge Engineer:		Date	FORCE ACCOUNT	\$0.00	\$0.00
Project Engineer:	GABRIEL TCRUZ	Date 10-9-13	AGREED PRICE	\$0.00	\$0.00
Project Manager:	KEN TERPSTRA	Date 10-11-13	ADJUSTMENT	\$270,790.00	\$270,790.00
FHWA Rep.:		Date	TOTAL	\$202,750.00	\$202,750.00
Environmental:		Date	FEDERAL PARTICIPATION		
Other (specify):	JAIME GUTIERREZ Sr. Dgn Engr	Date 10-9-13	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING		
Other (specify):	PHILIP HARSONO, DIST. MAINT	Date 10-7-13	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)		
District Prior Approval By:	LARRY SALHANEY	Date 8/27/13	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS		
HQ (Issue Approve) By:	LARRY SALHANEY SER HOSSNIEH	Date 10-3-13	FEDERAL FUNDING SOURCE PERCENT		
Resident Engineer's Signature:	<i>J. Balderramos</i>				

RIGHT OF WAY LIMITS ARE INDETERMINATE, AND ARE NOT SHOWN. THE CONTRACTOR MUST CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE FOR CONDITIONS OF USE PRIOR TO COMMENCING WORK.



Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	132R2	744

REGISTERED CIVIL ENGINEER
 Shi F. Lam
 No. 50970
 Exp. 9-30-11
 CIVIL
 STATE OF CALIFORNIA

6-1-11
 DATE
 10-3-11
 PLANS APPROVAL DATE

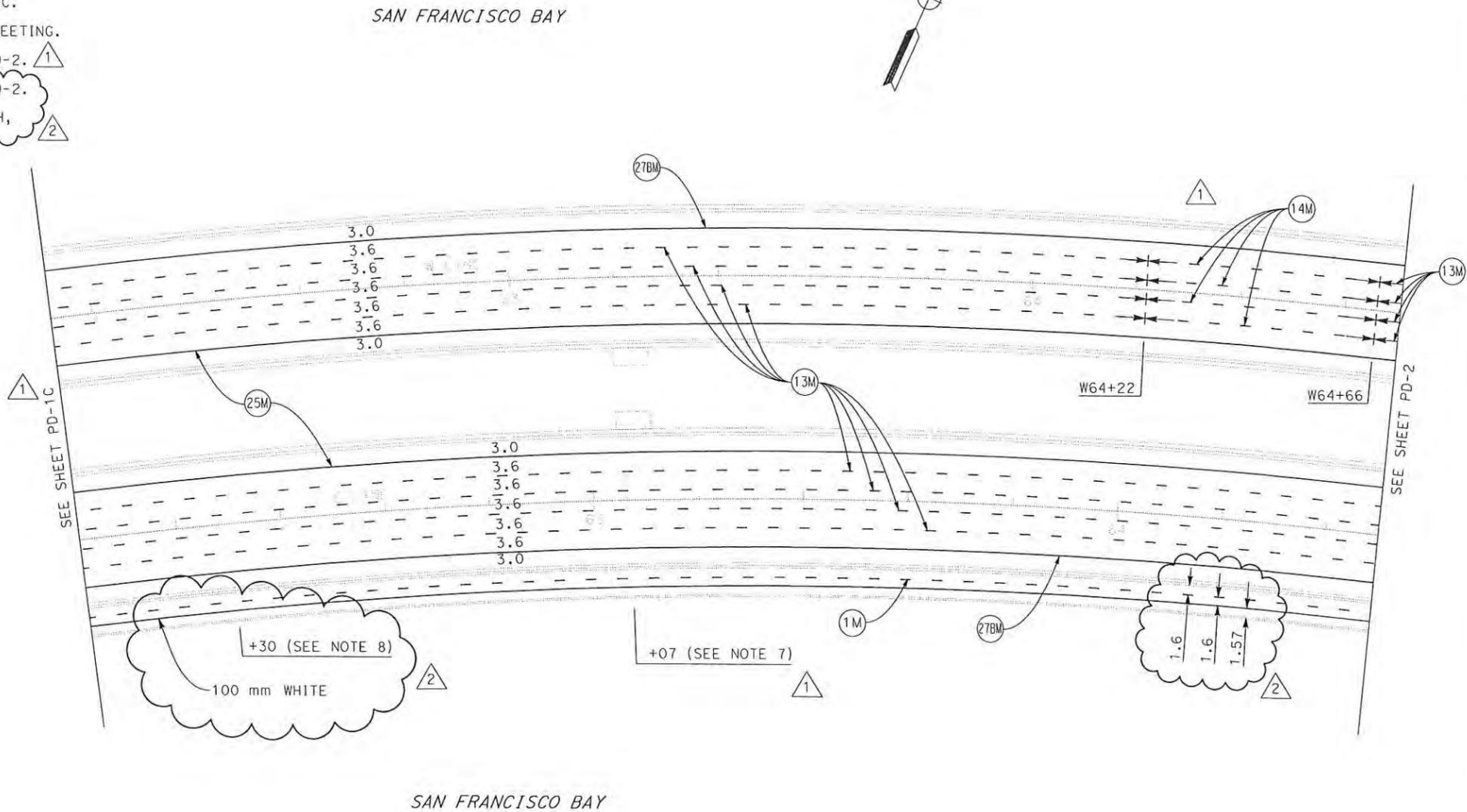
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

- ALL LANES ARE 3.6 m WIDE UNLESS OTHERWISE NOTED.
- FOR MODIFIED PAVEMENT DELINEATION DETAILS, SEE PDD-SHEETS.
- FOR BELVEDERE BIKE PATH PAVEMENT DELINEATION DETAILS, SEE PDD-SHEETS.
- FOR TEMPORARY PARKING LOT PAVEMENT DELINEATION DETAILS, SEE PDD-SHEETS.
- CONFLICTING STRIPING, PAVEMENT MARKINGS AND PAVEMENT MARKERS ARE TO BE REMOVED BEFORE ROADWAY IS OPENED TO TRAFFIC.
- ALL CHANNELIZERS SHALL HAVE WHITE RETROREFLECTIVE SHEETING.
- FOR LOCATIONS AND TYPICAL BIKE PATH DETAIL A, SEE PDD-2. 1
- FOR LOCATIONS AND TYPICAL BIKE PATH DETAIL B, SEE PDD-2. 1
- FOR 100 mm WHITE STRIPING ON EDGE OF PEDESTRIAN PATH, SEE DETAIL 4 ON PDD-1. 2

LEGEND:

- No. PAVEMENT DELINEATION DETAIL NUMBER
- CHANGE OF PAVEMENT DELINEATION DETAILS
- DELINEATOR (CLASS 1) - TYPE F



REVISOR	REVISION
SHI F. LAM	EMILY TANG
JAI ME E. CUTIERREZ	

MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
2	5/14/13	ADDITIONAL PAVEMENT DELINEATION AND NOTE.	SL	RP	
1	1/3/13	ADDED NOTE 7, MARKED LOCATION OF TYPICAL BIKE PATH DETAIL. ADDED STRIPING DETAIL 14M.	SL	GT	

REVISIONS

CONTRACT CHANGE ORDER No. 57
 SHEET 3 OF 20
04-0120MA



FOR REVISION ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

PAVEMENT DELINEATION PLAN

SCALE 1:500

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PD-1

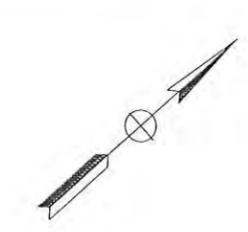
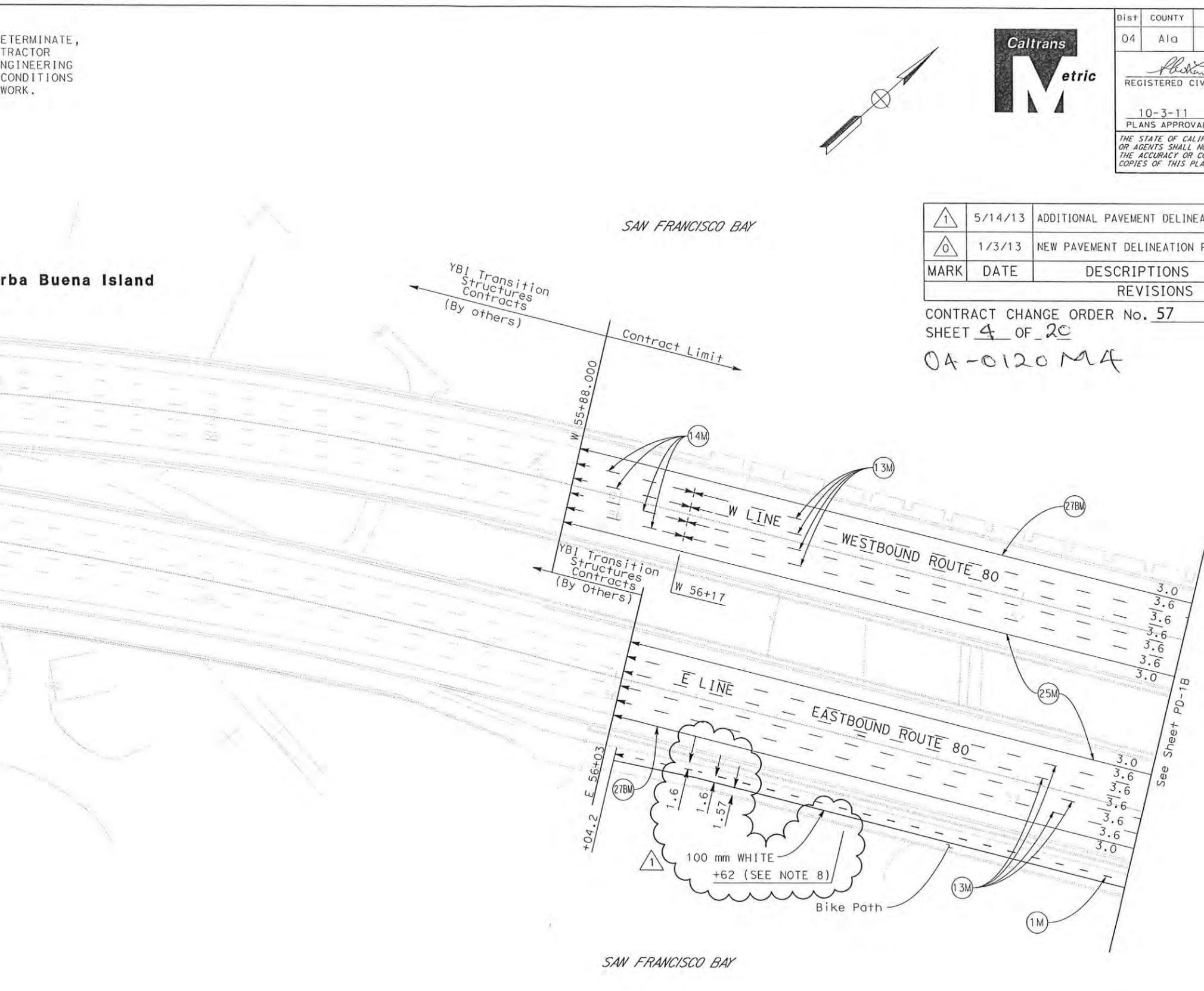
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TOLL BRIDGE

FUNCTIONAL SUPERVISOR: JAIME E. GUTIERREZ
 DESIGNED BY: SHI F. LAM
 CHECKED BY: EMILY TANG

REVISIONS:
 1: 5/14/13 ADDITIONAL PAVEMENT DELINEATION
 0: 1/3/13 NEW PAVEMENT DELINEATION PLANS

RIGHT OF WAY LIMITS ARE INDETERMINATE, AND ARE NOT SHOWN. THE CONTRACTOR MUST CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE FOR CONDITIONS OF USE PRIOR TO COMMENCING WORK.

Yerba Buena Island
 SAN FRANCISCO BAY



Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	132AR1	744

REGISTERED CIVIL ENGINEER: Shi F. Lam
 No. 50970
 Exp. 9-30-13
 DATE: 6-2-11
 PLANS APPROVAL DATE: 10-3-11

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
△	5/14/13	ADDITIONAL PAVEMENT DELINEATION	SL	RP	
△	1/3/13	NEW PAVEMENT DELINEATION PLANS	SL	GT	

REVISIONS

CONTRACT CHANGE ORDER No. 57
 SHEET 4 OF 20
 0A-0120MA

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

PAVEMENT DELINEATION PLAN

SCALE: 1:500

PD-1A

FOR NOTES, ABBREVIATIONS &/OR LEGEND, SEE SHEET PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TOLL BRIDGE

FUNCTIONAL SUPERVISOR
 JAIME E. GUTIERREZ

CALCULATED-DESIGNED BY
 SHI F. LAM

CHECKED BY
 EMILY TANG

REVISOR BY
 DATE REVISOR

RIGHT OF WAY LIMITS ARE INDETERMINATE, AND ARE NOT SHOWN. THE CONTRACTOR MUST CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE FOR CONDITIONS OF USE PRIOR TO COMMENCING WORK.

MARK	DATE	DESCRIPTIONS	REV	CHK	CCO No.
2	7/18/13	REVISED DETAIL REFERENCE	SL	RP	
1	5/14/13	ADDITIONAL PAVEMENT DELINEATION	SL	RP	
0	1/3/13	NEW PAVEMENT DELINEATION PLANS	SL	GT	

REVISIONS

CONTRACT CHANGE ORDER No. 57
 SHEET 5 OF 20
 0A-0120MA



Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	80	1.6/2.7	132BR2	744

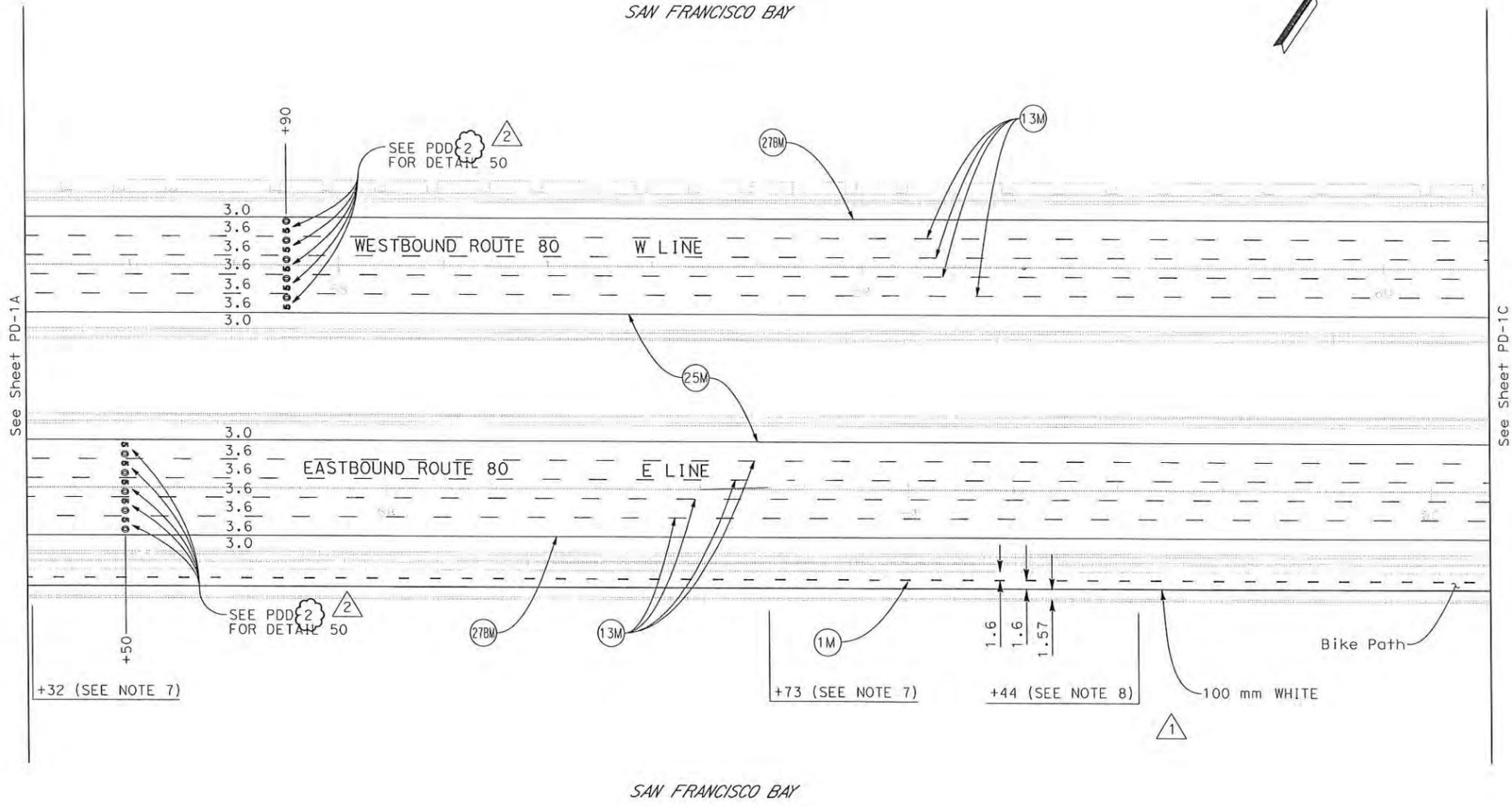
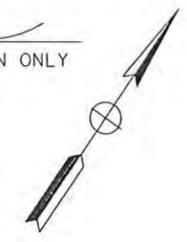
REGISTERED CIVIL ENGINEER
 Shi F. Lam
 No. 50970
 Exp. 9-30-13
 CIVIL

10-3-11
 PLANS APPROVAL DATE

6-2-11
 DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

FOR REVISION ONLY



FOR NOTES, ABBREVIATIONS &/OR LEGEND, SEE SHEET PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION ONLY.

PAVEMENT DELINEATION PLAN

SCALE: 1:500

PD-1B

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO: 58	Suppl. No. 0	Contract No. 04- 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: FLATRION WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Extra Work at Force Account:

Remove concrete, grout, detritus, deposits and debris from the existing work including cleaning threads of couplers at Hinge FE as directed by the Engineer.

Estimated cost of Extra Work at Force Account\$5,000.00

OV *1-31-13*

Estimated Cost: Increase Decrease \$5,000.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by

Signature <i>J. Balderramos</i>	Resident Engineer JEANNIE BALDERRAMOS	Date <i>2/5/13</i>
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Approval Recommended by

Signature <i>J. Balderramos</i>	Construction Engineer Jeannie Balderramos	Date <i>2/5/13</i>
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Engineer Approval by

Signature <i>J. Balderramos</i>	Construction Engineer Jeannie Balderramos	Date <i>5/16/13</i>
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We the undersigned contractor, have given careful consideration to the change proposed and agree, if this proposal is approved, that we will provide all equipment, furnish the materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by

Signature <i>[Signature]</i>	(Print name and title) <i>F. Balderramos U.P.</i>	Date <i>5/13/13</i>
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CONTRACT CHANGE ORDER MEMORANDUM

DATE: 11/20/2012 Page 1 of 1

TO: DEANNA WILCHECK / JEANNIE BALDERRAMOS			FILE: E.A. 04 - 0120M4
FROM: JEANNIE BALDERRAMOS			CO-RTE-PM 04-ALA-80-1.6/2.7
			FED. NO. NO FED AID
CCO#: 58	SUPPLEMENT#: 0	Category Code: CHPA	CONTINGENCY BALANCE (incl. this change) \$400,216.62
COST: \$5,000.00	INCREASE <input checked="" type="checkbox"/>	DECREASE <input type="checkbox"/>	HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
SUPPLEMENTAL FUNDS PROVIDED: \$0.00			IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
CCO DESCRIPTION: Remove concr,debris, detritus & deposits			PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)	Percentage Time Adjusted: (including this change) 0 %
			Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

Remove concrete, grout, detritus, deposits and debris from the existing work including cleaning threads of couplers at Hinge FE as directed by the Engineer.

The Oakland Touchdown Project Phase II (OTD2) provides for the construction of the last remaining concrete box girder frame of the Oakland Touchdown structure and the construction of the remaining eastern roadway approach as part of the new east span of the San Francisco Oakland Bay Bridge (SFOBB).

Frame one (1) of the eastbound bridge was constructed up to Hinge FE on another Contract. Continuity of reinforcement from this stage to the hinge is made through couplers cast into the existing concrete. Some of the couplers were not properly protected and contain concrete and grout which must be removed. Additionally, the threads need to be cleaned of debris resulting from the concrete removal.

This work is not covered by any contract items; therefore, the compensation for this work shall be paid as extra work at force account for an estimated cost of \$ 5,000.00, which can be financed from the contingency fund. A cost estimate is on file.

This Change Order was discussed with Hasan El-Natur of Toll Bridge Design, and Bill Zanetich of Toll Bridge Maintenance and they are in agreement.

No adjustment of contract time is warranted as this change will not affect the controlling operation.

CONCURRED BY:			ESTIMATE OF COST	
Construction Engineer:	JEANNIE BALDERRAMOS	Date 5-13-13	THIS REQUEST	TOTAL TO DATE
Bridge Engineer:	GARY J LAI	Date 05/13/13	ITEMS	\$0.00
Project Engineer:	GABRIEL TCRUZ	Date 2/6/13	FORCE ACCOUNT	\$5,000.00
Project Manager:	KEN TERPSTRA	Date 5/20/13	AGREED PRICE	\$0.00
FHWA Rep.:		Date	ADJUSTMENT	\$0.00
Environmental:	BILL ZANETICH, STRUC MAINT.	Date 2/6/13	TOTAL	\$5,000.00
Other (specify):	JAIME GUTIERREZ Sr. Dgn Engr	Date 2/6/13	FEDERAL PARTICIPATION	
Other (specify):	HASAN EL-NATUR, OSD	Date 5/14/13	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING	
District Prior Approval By:		Date	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
HQ (Issue Approve) By:		Date	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS	
Resident Engineer's Signature:		Date	FEDERAL FUNDING SOURCE	PERCENT
				

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO: 61	Suppl. No. 0	Contract No. 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: FLATIRON WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Extra Work at Force Account:

Painting the following existing sign structures and high mast light poles between the Toll Plaza and the approach to the San Francisco-Oakland Bay Bridge to match color applied to similar elements of this contract:

- Overhead Sign 'H' at Station E 95+37
- High Mast Lighting No. 5 at Station Rt. W 94+00
- High Mast Lighting No. 6 at Station Rt. W 96+90
- High Mast CCTV - E10 at Station Rt. MS 86+50
- High Mast CCTV - No. 3 at Station Rt. W 96+85

The painting shall be in accordance with Contract Special Provision Section 10-1.92 requirements for paint over galvanized surfaces. The finish coat color shall be an equal blend of Federal Standard Colors #27925 and #27880.

This work will be paid in accordance with Contract Special Provisions Section 5-1.11 Force Account Payment and Standard Specification Section 4-1.03D Extra Work.

Estimated cost of Extra Work at Force Account\$300,000.00

Ok: 05-21-13

Estimated Cost: Increase Decrease \$300,000.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by

Signature <i>Jeannie Balderramos</i>	Resident Engineer JEANNIE BALDERRAMOS	Date 5-21-2013
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Approval Recommended by

Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 5/21/13
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Engineer Approval by

Signature	Area Construction Manager DEANNA VILCHECK	Date
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We the undersigned contractor, have given careful consideration to the change proposed and agree, if this proposal is approved, that we will provide all equipment, furnish the materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by

Signature	(Print name and title)	Date
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CONTRACT CHANGE ORDER MEMORANDUM

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS			FILE: E.A. 04 - 0120M4	
FROM: JEANNIE BALDERRAMOS			CO-RTE-PM 04-ALA-80-1.6/2.7	
CCO#: 61	SUPPLEMENT#: 0	Category Code: CBPA	FED. NO. NO FED AID	
CONTINGENCY BALANCE (incl. this change)			\$9,206,080.24	
COST: \$300,000.00	INCREASE <input checked="" type="checkbox"/>	DECREASE <input type="checkbox"/>	HEADQUARTERS APPROVAL REQUIRED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
SUPPLEMENTAL FUNDS PROVIDED: \$0.00			IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CCO DESCRIPTION: Paint Hi Masts & O/H Sign Structures			PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM	
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)	Percentage Time Adjusted: (including this change) 0 %	Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

Painting the existing sign structures and high mast light poles between the Toll Plaza and the approach to the San Francisco-Oakland Bay Bridge.

The Oakland Touchdown Project Phase II (OTD2) provides for the construction of the last remaining concrete box girder frame of the Oakland Touchdown structure and the construction of the remaining eastern roadway approach as part of the new east span of the San Francisco Oakland Bay Bridge (SFOBB).

The locations of the sign structures and high mast light poles are as follows:

- Overhead Sign 'H' at Station E 95+37
- High Mast Lighting No. 5 at Station Rt. W 94+00
- High Mast Lighting No. 6 at Station Rt. W 96+90
- High Mast CCTV - E10 at Station Rt. MS 86+50
- High Mast CCTV - No. 3 at Station Rt. W 96+85

The painting shall be in accordance with Contract Special Provision Section 10-1.92 requirements for paint over galvanized surfaces. The finish coat color shall be an equal blend of Federal Standard Colors #27925 and #27880.

Jaime Guterrez, Office of Toll Bridge Design, issued a memorandum, dated November 29, 2012, requesting these existing sign structures and poles be painted to match the color currently being applied to similar elements of this contract.

This work is not part of the original contract; therefore, the compensation for this work shall be paid at extra work at force account for an estimated cost of \$300,000.00, which shall be financed from the contract's contingency fund. A cost analysis is on file in the project records.

No time adjustment is warranted as this change order does not affect the controlling operation.

CONTRACT CHANGE ORDER MEMORANDUM

CONCURRED BY:		ESTIMATE OF COST																
Construction Engineer:	JEANNIE BALDERRAMOS <i>JB</i>	Date	5-21-13															
Bridge Engineer:	GARY J LAI <i>Handwritten Signature</i>	Date	05/24/13															
Project Engineer:	GABRIEL TCRUZ	Date																
Project Manager:	KEN TERPSTRA	Date																
FHWA Rep.:		Date																
Environmental:		Date																
Other (specify):	JAIME GUTIERREZ Sr. Dgn Engr	Date																
Other (specify):		Date																
District Prior Approval By:		Date																
HQ (Issue Approve) By:		Date																
Resident Engineer's Signature:		Date																
		<table border="1"> <thead> <tr> <th>ITEMS</th> <th>THIS REQUEST</th> <th>TOTAL TO DATE</th> </tr> </thead> <tbody> <tr> <td>FORCE ACCOUNT</td> <td>\$300,000.00</td> <td>\$300,000.00</td> </tr> <tr> <td>AGREED PRICE</td> <td>\$0.00</td> <td>\$0.00</td> </tr> <tr> <td>ADJUSTMENT</td> <td>\$0.00</td> <td>\$0.00</td> </tr> <tr> <td>TOTAL</td> <td>\$300,000.00</td> <td>\$300,000.00</td> </tr> </tbody> </table>		ITEMS	THIS REQUEST	TOTAL TO DATE	FORCE ACCOUNT	\$300,000.00	\$300,000.00	AGREED PRICE	\$0.00	\$0.00	ADJUSTMENT	\$0.00	\$0.00	TOTAL	\$300,000.00	\$300,000.00
ITEMS	THIS REQUEST	TOTAL TO DATE																
FORCE ACCOUNT	\$300,000.00	\$300,000.00																
AGREED PRICE	\$0.00	\$0.00																
ADJUSTMENT	\$0.00	\$0.00																
TOTAL	\$300,000.00	\$300,000.00																
		FEDERAL PARTICIPATION <input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING																
		FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type) <input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS																
		<table border="1"> <thead> <tr> <th>FEDERAL FUNDING SOURCE</th> <th>PERCENT</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		FEDERAL FUNDING SOURCE	PERCENT													
FEDERAL FUNDING SOURCE	PERCENT																	

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO: 62	Suppl. No. 0	Contract No. 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: FLATIRON WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Adjustment of Compensation at Lump Sum:

Paint Sign Structure A and CMS Structures B and E in accordance with Section 10-1.92 of the Contract Special Provisions. The final finish color shall be an equal blend of Federal Standard Colors #27925 and #27880.

For this work, the Contractor will be paid the lump sum of \$42,515.22. This amount constitutes full compensation, including markups, for the work of this change.

Cost of Adjustment of Compensation at Lump Sum\$42,515.22

SL: 05-13-13

Estimated Cost: Increase Decrease \$42,515.22

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by

Signature <i>J. A. Balderramos</i>	Resident Engineer JEANNIE BALDERRAMOS	Date <i>5/16/2013</i>
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Approval Recommended by

Signature <i>J. A. Balderramos</i>	Construction Engineer JEANNIE BALDERRAMOS	Date <i>5/16/2013</i>
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Engineer Approval by

Signature <i>J. A. Balderramos</i>	Construction Engineer JEANNIE BALDERRAMOS	Date <i>6-7-13</i>
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We the undersigned contractor, have given careful consideration to the change proposed and agree, if this proposal is approved, that we will provide all equipment, furnish the materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by

Signature <i>[Signature]</i>	(Print name and title) <i>F. DANEZ V.P.</i>	Date <i>5/23/13</i>
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WFA *T*

CONTRACT CHANGE ORDER MEMORANDUM

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS		FILE: E.A. 04 - 0120M4
FROM: JEANNIE BALDERRAMOS		CO-RTE-PM 04-ALA-80-1.6/2.7
		FED. NO. NO FED AID
CCO#: 62	SUPPLEMENT#: 0	Category Code: CKPP
CONTINGENCY BALANCE (incl. this change)		\$9,721,616.24
COST: \$42,515.22	INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>	HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
SUPPLEMENTAL FUNDS PROVIDED: \$0.00		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
CCO DESCRIPTION: Paint Sign Structures (UIS)		PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)
Percentage Time Adjusted: (including this change) 0 %		Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

Paint Sign Structure A and CMS Structures B and E in accordance with Section 10-1.92 of the Contract Special Provisions. The final finish color shall be an equal blend of Federal Standard Colors #27925 and #27880.

The Oakland Touchdown Project Phase II (OTD2) provides for the construction of the last remaining concrete box girder frame of the Oakland Touchdown structure and the construction of the remaining eastern roadway approach as part of the new east span of the San Francisco Oakland Bay Bridge (SFOBB).

Jaime Guterrez, Office of Toll Bridge Design, issued a memorandum requesting that Sign Structure A and CMS Structures B & E be painted to match the color currently being used on other elements of this contract.

This work is not part of the original contract; therefore, the compensation for this work shall be paid as adjustment in compensation at agreed lump sum of \$42,515.22, which shall be financed from the contract's contingency fund. A cost analysis is on file in the project records.

No adjustment of contract time is warranted as this will not affect the controlling operation.

Maintenance concurs with this change.

CONCURRED BY:		ESTIMATE OF COST	
Construction Engineer: JEANNIE BALDERRAMOS <i>JB</i>	Date: 5-16-13	THIS REQUEST	TOTAL TO DATE
Bridge Engineer: GARY J LAI <i>GL</i>	Date: 05/13/13	ITEMS \$0.00	\$0.00
Project Engineer: GABRIEL TCRUZ	Date: 5/7/13	FORCE ACCOUNT \$0.00	\$0.00
Project Manager: KEN TERPSTRA <i>KT</i>	Date: 6/20/12	AGREED PRICE \$0.00	\$0.00
FHWA Rep.:	Date:	ADJUSTMENT \$42,515.22	\$42,515.22
Environmental:	Date:	TOTAL \$42,515.22	\$42,515.22
Other (specify): JAIME GUTIERREZ Sr. Dgn Engr	Date: 6/3/13	FEDERAL PARTICIPATION	
Other (specify):	Date:	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE	
District Prior Approval By:	Date:	<input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING	
HQ (Issue Approve) By:	Date:	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
Resident Engineer's Signature: <i>J Balderramos</i>	Date: 6/10/13	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS	
		FEDERAL FUNDING SOURCE	PERCENT

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO: 63	Suppl. No. 0	Contract No. 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: FLATRION WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Adjustment of Compensation at Lump Sum:

Provide new post tensioning strand in lieu of the remaining strand from the adjacent contract.

For this work, the Contractor will be paid the lump sum of \$ 19,800.00. This amount constitutes full compensation, including markups, for the work of this change.

Cost of Adjustment of Compensation at Agreed Lump Sum\$19,800.00

Doc 5/2/13 Estimated Cost: Increase Decrease \$19,800.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by		
Signature <i>J. Balderramos</i>	Resident Engineer JEANNIE BALDERRAMOS	Date <i>4-17-2013</i>
Approval Recommended by		
Signature <i>J. Balderramos</i>	Construction Engineer JEANNIE BALDERRAMOS	Date <i>4-17-2013</i>
Engineer Approval by		
Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date <i>5/3/13</i>

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

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by		
Signature <i>[Signature]</i>	(Print name and title) <i>F. DAXTON - U.P.</i>	Date <i>5/2/13</i>

GA

CONTRACT CHANGE ORDER MEMORANDUM

DATE: 12/5/2012 Page 1 of 1

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS			FILE: E.A. 04 - 0120M4
FROM: JEANNIE BALDERRAMOS			CO-RTE-PM 04-ALA-80-1.6/2.7
FED. NO. NO FED AID			
CCO#: 63	SUPPLEMENT#: 0	Category Code: CHPA	CONTINGENCY BALANCE (incl. this change) \$117,451.27
COST: \$19,800.00		INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>	HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
SUPPLEMENTAL FUNDS PROVIDED: \$0.00			IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
CCO DESCRIPTION: Revise Post Tensioning Strands		PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM	
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 188 Day(s)	Percentage Time Adjusted: (including this change) 16 %
			Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

Provide new post tensioning strand in lieu of the remaining strand from the adjacent contract.

The Oakland Touchdown Project Phase II (OTD2) provides for the construction of the last remaining concrete box girder frame of the Oakland Touchdown structure and the construction of the remaining eastern roadway approach as part of the new east span of the San Francisco Oakland Bay Bridge (SFOBB).

Post Tensioning strand remaining from prefabrication of tendons from Contract 04-0120S4 was intended for use in the transverse tendons on the OTD bridge structure. The material was not tracked by the Department's representatives during prefabrication work for that contract. Although the subcontractor was able to provide tags and material documentation on the strand tailings, the Department's Materials Engineering and Testing Services group could not guarantee traceability. After discussion with Brian Maroney, SFOBB Project Manager and Principal Engineer, the Contractor was directed to provide new strand rather than use the disputed strand material.

Compensation for this work shall be paid as adjustment in compensation at agreed lump sum of \$ 19,800.00, which shall be financed from the contract's contingency fund. A cost analysis and a C93 is on file.

This change was discussed with Brian Maroney, SFOBB Project Manager and Principal Engineer.

No adjustment of contract time is warranted as this will not affect the controlling operation.

Maintenance concurs with this change.

CONCURRED BY:		ESTIMATE OF COST	
Construction Engineer: JEANNIE BALDERRAMOS <i>JB</i>	Date: 4-17-13	THIS REQUEST	TOTAL TO DATE
Bridge Engineer: GARY J LAI <i>GL</i>	Date: 5-2-13	ITEMS \$0.00	\$0.00
Project Engineer: GABRIEL TCRUZ	Date:	FORCE ACCOUNT \$0.00	\$0.00
Project Manager: KEN TERPSTRA	Date:	AGREED PRICE \$0.00	\$0.00
FHWA Rep.:	Date:	ADJUSTMENT \$19,800.00	\$19,800.00
Environmental:	Date:	TOTAL \$19,800.00	\$19,800.00
Other (specify): JAIME GUTIERREZ Sr. Dgn Engr	Date:	FEDERAL PARTICIPATION	
Other (specify): LINA ELLIS, STRUCT MAINT.	Date:	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE	
District Prior Approval By:	Date:	<input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING	
HQ (Issue/Approve) By:	Date:	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
Resident Engineer's Signature: <i>J Balderramos</i>	Date: 5-3-13	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS	
		FEDERAL FUNDING SOURCE	PERCENT

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO: 64	Suppl. No. 0	Contract No. 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: FLATRION WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

A determination of the delay in the completion of the Designated Portion of the Work 1 (DP1), as defined by Section 4 "Beginning of Work, Time of Completion, and Liquidated Damages" of the Contract Special Provisions, due to all outstanding Department caused delays incurred from the beginning of the Contract through March 9, 2013 has been made in accordance with Section 10-1.11, "Progress Schedule (Critical Path)," of the Special Provisions and Section 8-1.07, "Liquidated Damages," of the Standard Specifications.

The Contractor shall be granted a 188 working day time extension pertaining to the completion of the Designated Portion of Work 1 for these delays. Combined with the 140 working days bid to complete the work, the Designated Portion of Work 1 shall now be completed by May 18, 2013. In the event the Designated Portion of Work 1 is not completed by this date, the liquidated damages defined for the Designated Portion of Work 1 under Section 4 of the Contract Special Provisions shall apply.

Of the 188 working days of time extension granted under this change order, 121 of these working days shall be considered compensable. The remaining 67 working days of time extension granted under this change order shall be considered concurrent Department and Contractor delay and shall be granted as a non-compensable time extension.

This time extension acts to resolve all outstanding Department caused delays for all work performed through March 9, 2013 and no additional delays or time extensions shall be requested by or granted to the Contractor concerning work performed through this date.

There shall be no time extension granted to the completion of the Contract or Designated Portions of Work 2, 3 and 4 as a result of this change order.

Adjustment of Compensation at Lump Sum:

For all cost incurred due to the 121 working days of compensable time extension being granted to the Designated Portion of Work 1 under this change order, the Contractor shall be compensated an agreed lump sum of \$539,710.00, which constitutes full compensation, including all markups, complete in place, for this change.

The compensation provided under this change order constitutes full compensation, including all markups, for all costs associated with the time extension granted under this change and no additional compensation shall be paid.

Cost of Adjustment of Compensation at Agreed Lump Sum\$539,710.00

This change order acts to resolve the deferred time issued under Change Order No. 33, and Change Order No. 36. No additional time extensions shall be granted pertaining to the resolution of these deferred time change orders.

Any direct impacts to the work to be performed by the Contractor's electrical subcontractor Roadway Engineering Works Inc. due to Department delays and changes to that work are not addressed under this change order. Any such impacts, including but not limited to premium time labor and labor inefficiencies, shall be addressed under separate change order pertaining to those changes.

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO: 64	Suppl. No. 0	Contract No. 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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Estimated Cost: Increase Decrease **\$539,710.00**

By reason of this order the time of completion will be adjusted as follows: 188 days

Submitted by

Signature <i>J. Balderramos</i>	Resident Engineer JEANNIE BALDERRAMOS	Date 3-22-13
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Approval Recommended by

Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 3/22/13
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Engineer Approval by

Signature	Area Construction Manager DEANNA VILCHECK	Date
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We the undersigned contractor, have given careful consideration to the change proposed and agree, if this proposal is approved, that we will provide all equipment, furnish the materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by

Signature	(Print name and title)	Date
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CONTRACT CHANGE ORDER MEMORANDUM

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS			FILE: E.A. 04 - 0120M4	
FROM: JEANNIE BALDERRAMOS			CO-RTE-PM 04-ALA-80-1.6/2.7	
			FED. NO. NO FED AID	
CCO#: 64	SUPPLEMENT#: 0	Category Code: BZZZ	CONTINGENCY BALANCE (incl. this change) \$25,377,741.27	
COST: \$539,710.00		INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>	HEADQUARTERS APPROVAL REQUIRED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
SUPPLEMENTAL FUNDS PROVIDED: \$0.00		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
CCO DESCRIPTION: DP1 Time Extension			PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM	
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 188 Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)	Percentage Time Adjusted: (including this change) 16 %	Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

A 188 working day time extension to the Designated Portion of the Work 1.

This contract, the Oakland Touchdown 2 (OTD2) provides for the construction of the last remaining concrete box girder frame of the Oakland Touchdown structure and the construction of the remaining eastern roadway approach as part of the new east span of the San Francisco Oakland Bay Bridge (SFOBB).

In order to meet the Toll Bridge Program Oversight Committee's (TBPOC) planned seismic safety opening (SSO) of the new east span on Labor Day of 2013, the contract was bid with several designated portions (DP) of work. DP1 called for the completion of all bridge and roadway work necessary prior to the planned closure of the bridge over Labor Day. DP2 encompasses all the work necessary to be performed during the Labor Day closure. DP3 includes the completion of the OTD2 bike path, maintenance roads and landscaping and DP4 requires the completion of all contract work excluding the plant establishment period. The contract was awarded with a 9 month lag between the completion of DP1 and the Labor Day closure with limited to no work planned during that time.

As the work of DP1 has progressed, Department caused delays have been incurred due to both Change Order No. 33 and 36 which have resulted in 121 working days (calendar days) of delay to DP1. These delays concern the construction of a temporary work trestle under Change Order 33 and furnishing and installing multiply concrete collars on top of the bent caps at Bents E21, E22 and E23.

In addition to the 121 days of delay, the contract has incurred an additional 67 working days of delay resulting from concurrent Department and contractor delays. The Department delays pertain to access restrictions placed on the contractor in order to allow uninterrupted access to the adjacent Self Anchored Suspension contract. These restrictions included equipment exclusion zones and ordered work windows. Concurrently, the contractor realized delays through the installation of the steel reinforcement on the box girder bridge. This 67 working day current delay shall be granted as a non-compensable time extension. The combined time extension of 188 working days to DP1 is being provided by this change order. Time impacts analyses have been submitted and agreed to for both the 121 day and 67 day extensions. The time extension covers all delays incurred through March 9, 2013.

As the completion of DP1 had approximately 9 months of float to DP2 and the Labor Day closure, the delay to DP1 does not affect the subsequent designated portions of work or the contract time of completion. As such the 188 time extension pertains only to DP1 with no time extension to the other portions of work or the contract time completion.

Compensation for the 121 working days of compensable delay to DP1 shall be paid for extended project equipment which will be demobilized from the project site after DP1's completion. This includes most of the dedicated bridge construction equipment, some dedicated yard equipment and a minimal amount of roadway construction equipment. Extended bridge falsework materials, traffic control devices and impacted field superintendent labor is also compensated. Equipment rental rates are based on rates established in the Department's Labor Surcharge and Equipment Rental Rates publication with right of way delay rates applied were applicable. No compensation is paid for the 67 working days of non-compensable concurrent time extension being granted.

CONTRACT CHANGE ORDER MEMORANDUM

Compensation shall be paid as an adjustment of compensation at an agreed lump sum of \$539,710.00, which shall be financed from the contract's contingency fund. A cost analysis is on file.

Maintenance concurrence is not required as this is an administrative change which doesn't affect any permanent roadway or structural features.

CONCURRED BY:		ESTIMATE OF COST	
Construction Engineer: JEANNIE BALDERRAMOS <i>JB</i> Date 3-22-13	Date	THIS REQUEST	TOTAL TO DATE
Bridge Engineer:	Date	ITEMS	\$0.00
Project Engineer: GABRIEL TCRUZ	Date	FORCE ACCOUNT	\$0.00
Project Manager: KEN TERPSTRA	Date	AGREED PRICE	\$0.00
FHWA Rep.:	Date	ADJUSTMENT	\$539,710.00
Environmental:	Date	TOTAL	\$539,710.00
Other (specify): JAIME GUTIERREZ Sr. Dgn Engr	Date	FEDERAL PARTICIPATION	
Other (specify):	Date	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING	
District Prior Approval By: LARRY SALHANEY	Date	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
HQ (Issue Approve) By:	Date	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS	
Resident Engineer's Signature:	Date	FEDERAL FUNDING SOURCE	PERCENT
		_____	_____
		_____	_____

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO: 65	Suppl. No. 0	Contract No. 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: FLATRION WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Adjustment of Compensation at Lump Sum:

Crane rental to improve access from Pier 7 to the new westbound San Francisco Oakland Bay Bridge (SFOBB).

For this work, the Contractor will be paid the lump sum of \$59,923.54. This amount constitutes full compensation, including markups, for the work of this change.

Cost of Adjustment of Compensation at Agreed Lump Sum\$59,923.54

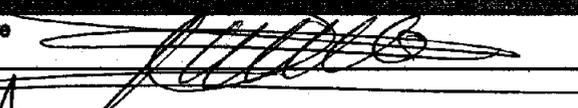
Estimated Cost: Increase Decrease \$59,923.54

By reason of this order the time of completion will be adjusted as follows: 0 days

Signature 	Resident Engineer JEANNIE BALDERRAMOS	Date 4/30/13
Signature 	Area Construction Manager DEANNA VILCHECK	Date 4/30/13
Signature 	Area Construction Manager DEANNA VILCHECK	Date 5/16/13

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

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Signature 	(Print name and title) F. DIAZ V.P.	Date
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67-A

CONTRACT CHANGE ORDER

Change Requested by: Contractor

CCO: 111 Suppl. No. 0 Contract No. 04 - 0120F4 Road SF-80-13.2/13.9 FED. AID LOC.:

To: **AMERICAN BRIDGE/FLUOR ENTERPRISES INC A JOINT VENTURE**

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Adjustment of Compensation at Lump Sum:

Allow the Contractor to use the plate designated as Slab 6A of Heat D4848 for the hinge pipe beam fuse tubular as fit-for-purpose provided the following conditions are met:

1. Use the tubular rolled from this plate at the free end half, not the fixed anchorage end half, of a spare fuse.
2. Provide a stainless steel identifying plate with etched text stating "This Hinge K spare fuse tubular was fabricated with one plate with yield strength of 485 MPa (70 ksi) and one plate with yield strength of 450 MPa (65 ksi). The 450 MPa (65 ksi) plate is the half at this free end of the fuse, not the fixed anchorage end." Mount this plate with stainless steel screws on the 50 mm end plate ring stiffener.
3. Provide the same information on packaging labels as required by Special Provisions Section 10-1.59 "Steel Structures," Subsection "Fabrication," Subsection "Spare Pipe Beam Fuses."

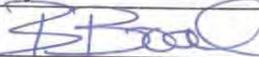
This is a no-cost, Contractor-requested change order. For this work, the Engineer shall receive a credit of \$0.00. This sum constitutes full compensation, including markups, for this change.

Cost of Adjustment of Compensation at Lump Sum\$0.00

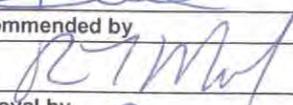
Estimated Cost: Increase Decrease \$0.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by

Signature 	Resident Engineer	Brian Boal for Gary Pursell, Sup.TE	Date 11 JUNE '09
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Approval Recommended by

Signature 	Supervising Bridge Engineer	Richard Morrow, Sup.TE	Date 6/15/09
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Engineer Approval by

Signature 	Supervising Transportation Engineer	Gary Pursell, Sup.TE	Date 8/24/09
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We the undersigned contractor, have given careful consideration to the change proposed and agree, if this proposal is approved, that we will provide all equipment, furnish the materials, except as otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by

Signature 	(Print name and title)	Michael D. Flowers Project Director	Date 8-12-09
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CONTRACT CHANGE ORDER MEMORANDUM

DATE: 11/20/2012 Page 1 of 1

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS		FILE: E.A. 04 - 0120M4
FROM: JEANNIE BALDERRAMOS		CO-RTE-PM 04-ALA-80-1.6/2.7
		FED. NO. NO FED AID
CCO# 601	SUPPLEMENT#: 0	Category Code: CDPJ
CONTINGENCY BALANCE (incl. this change)		\$61,230.18
COST: \$30,000.00	INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>	HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
SUPPLEMENTAL FUNDS PROVIDED: \$0.00		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
CCO DESCRIPTION: Electr. Work Prior to Demo @ Toll Plaza		PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)
Percentage Time Adjusted: (including this change) 0 %		Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

Electrical work modifications required prior to demolition of Toll Plaza Maintenance Building including slab, paving, and curbs.

The Oakland Touchdown 2 (OTD2) completes the Oakland Mainland connector of the east span of the San Francisco Oakland Bay Bridge (SFOBB). The project is about 3,200 meters in length with a new eastbound structure comprised of concrete box girder bridge, approximately 26 meters wide, 40 meters high and 140 meters in length. Also included is 2,260 meters of striping and overlay on existing structures and 1,000 meters of striping and paving of roadway.

Prior to demolition and removal of slab on grade and subgrade of Toll Plaza Maintenance Building, it is necessary to perform electrical modifications to maintain high mast lighting and pumps operational. Compensation for this work shall be paid as extra work at force account at an estimated cost of \$30,000.00, which shall be financed from the contract's contingency funds supplemented by BATA for this portion of the work. A cost analysis is on file.

No adjustment of contract time is warranted as this work will not affect the controlling operation.

Maintenance concurrence is not required as this change doesn't affect any permanent roadway features.

CONCURRED BY:		ESTIMATE OF COST	
Construction Engineer: JEANNIE BALDERRAMOS <i>JB</i>	Date: 3-13-13	THIS REQUEST	TOTAL TO DATE
Bridge Engineer:	Date:	ITEMS	\$0.00
Project Engineer: RAFAEL RAVELO	Date: 3/19/13	FORCE ACCOUNT	\$30,000.00
Project Manager: KEN TERPSTRA	Date: 03-13-13	AGREED PRICE	\$0.00
FHWA Rep.:	Date:	ADJUSTMENT	\$0.00
Environmental: <i>Parviz Boozarpour</i>	Date: 03-20-13	TOTAL	\$30,000.00
Other (specify): JAIME GUTIERREZ Sr. Dgn Engr	Date: 03-14-13	FEDERAL PARTICIPATION	
Other (specify): <i>PM: NIDAL TUQUAN</i>	Date: 03-21-13	<input type="checkbox"/> PARTICIPATING	<input type="checkbox"/> PARTICIPATING IN PART
District Prior Approval By:	Date:	<input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE)	<input checked="" type="checkbox"/> NONE
HQ (Issue Approve) By:	Date:	<input type="checkbox"/> NON-PARTICIPATING	
Resident Engineer's Signature:	Date:	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
		<input type="checkbox"/> CCO FUNDED PER CONTRACT	
		<input type="checkbox"/> CCO FUNDED AS FOLLOWS	
		FEDERAL FUNDING SOURCE	PERCENT

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO: 601	Suppl. No. 0	Contract No. 04 - 0120M4	Road 04-ALA-80-1,6/2.7	FED. AID LOC.: NO FED AID
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To: FLATRION WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Extra Work at Force Account:

Perform electrical modifications per attached plan and as directed by the Engineer to allow removal and demolition of slab on grade and removal of subgrade.

Estimated cost of Extra Work at Force Account\$30,000.00

Estimated Cost: Increase Decrease \$30,000.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by		
Signature <i>J. Balderramos</i>	Resident Engineer JEANNIE BALDERRAMOS	Date 3-6-13

Approval Recommended by		
Signature <i>J. Balderramos</i>	Construction Engineer JEANNIE BALDERRAMOS	Date 3-6-13

Engineer Approval by		
Signature <i>J. Balderramos</i>	Construction Engineer JEANNIE BALDERRAMOS	Date 3-25-13

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

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by		
Signature <i>[Signature]</i>	(Print name and title) F. DAAN-CI U.P.	Date 3/15/13

6FA

Sheet Notes:

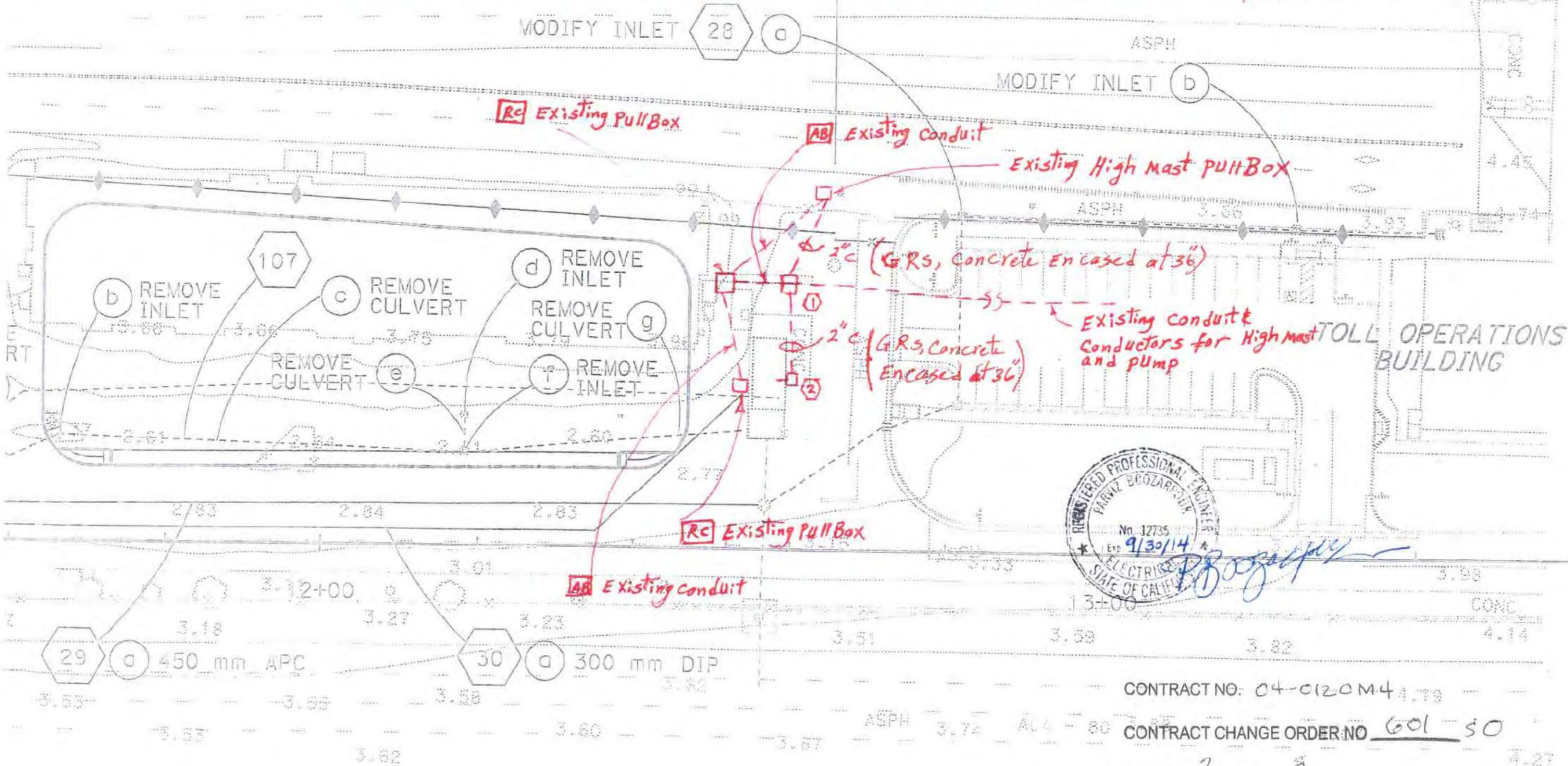
- ① Install type 6 PB with trafficked cover extension if necessary. Intercept 3" conduit with High mast & pump conductors. splice High mast & pump conductors and route them into appropriate 2" conduit each.
- ② Install type 5 PB with trafficked cover. Core drill 2" conduit through existing pump concrete slab and stub it far... connection to pump's control/breaker.

Notes:

- 1. All new location for PB and Conduit must be approved by Engineer.

C (SEE DD-4)

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CONTRACT NO: 04-0120M4

CONTRACT CHANGE ORDER NO 601-50

SHEET 2 OF 2

CONTRACT CHANGE ORDER MEMORANDUM

TO: DEANNA VILCHECK / JEANNIE BALDERRAMOS		FILE: E.A. 04 - 0120M4		
FROM: JEANNIE BALDERRAMOS		CO-RTE-PM 04-ALA-80-1.6/2.7		
		FED. NO. NO FED AID		
CCO# 602	SUPPLEMENT#: 0	Category Code: CJPJ	CONTINGENCY BALANCE (incl. this change) \$8,806,080.24	
COST: \$200,000.00		INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>		HEADQUARTERS APPROVAL REQUIRED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
SUPPLEMENTAL FUNDS PROVIDED: \$0.00		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
CCO DESCRIPTION: Investigative Work for Toll Plaza		PROJECT DESCRIPTION: CONSTRUCT BRIDGES AND ROADWAY, AND ELECTRICAL SYSTEM		
Original Contract Time: 1140 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 0 Day(s)	Percentage Time Adjusted: (including this change) 0 %	Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

Performing site investigation, additional material testing and sampling and other preparatory work for the planned ponding repair and overlay work at the San Francisco Oakland Bay Bridge Toll Plaza (SFOBB)

This contract, the Oakland Touchdown 2 (OTD2) provides for the construction of the last remaining concrete box girder frame of the Oakland Touchdown structure and the construction of the remaining eastern roadway approach as part of the new east span of the SFOBB.

The Seismic Safety Opening of the new SFOBB east span is currently scheduled for Labor Day Weekend 2013. In order to perform the traffic switch to the new span, the entire SFOBB is scheduled to be closed for a 5-day duration. To take advantage of this extended closure, the Bay Area Toll Authority (BATA) through the Toll Bridge Program Oversight Committee (TBPOC), has requested that repair and overlay work be performed at the SFOBB Toll Plaza through this contract. This change order provides for investigative and preparatory work deemed necessary to ensure the work can be completed within the 5-day closure window with limited unanticipated conditions being encountered.

The Toll Plaza work includes repairing a settlement area of the westbound approach by excavating approximately 7,700 cubic meters of AC pavement and subgrade and backfilling the area with 5,700 cubic meters of cell cellular concrete with a new roadway section placed on top of it. The planned work also includes cold planning existing pavement and placing a hot mix asphalt overlay over an 1,110 meter length and up to 100 meter wide area spanning both to the east and west of the toll plaza. Approximately 65,000 square meters of cold planning will be performed with 10,000 metric tons of hot mix asphalt being placed.

Due to both the quantity and the critical scheduling nature of the planned work, extensive planning and preparation will need be performed in order to clearly define the scope and staging and limit any potential delays during the work. Site investigation needs to be performed to confirm the makeup and thickness of the existing roadway section, confirm groundwater depths and identify the locations and depths of existing traffic loops and other utilities. Testing of proposed lightweight concrete and aggregate will be performed and staging areas required for the work will need to be established.

Once the scope of work is fully defined a supplemental change order will be issued to provide final plan sheets and compensation.

This work is not part of the original contract; therefore, compensation for this preparatory work will be paid as extra work at force account at an estimated cost of \$200,000.00 which shall be financed from the contract's contingency funds and shall be reimbursed through the Bay Area Toll Authority's Toll Bridge Rehabilitation Program as approved by the Toll Bridge Program Oversight Committee (TBPOC). A cost analysis is on file in the project records.

Maintenance concurrence is not required as the preparatory work will not affect any permanent roadway features.

No adjustment of contract time is required as the work will not affect the controlling operation.

CONTRACT CHANGE ORDER MEMORANDUM

CONCURRED BY:			ESTIMATE OF COST		
Construction Engineer:	JEANNIE BALDERRAMOS <i>JB</i>	Date 6/21/13		THIS REQUEST	TOTAL TO DATE
Bridge Engineer:		Date	ITEMS	\$0.00	\$0.00
Project Engineer:	TEBLEZ NEMARIAM	Date 8/5/13	FORCE ACCOUNT	\$200,000.00	\$200,000.00
Project Manager:	KEN TERPSTRA <i>KT</i>	Date 4/21/13	AGREED PRICE	\$0.00	\$0.00
FHWA Rep.:		Date	ADJUSTMENT	\$0.00	\$0.00
Environmental:		Date	TOTAL	\$200,000.00	\$200,000.00
Other (specify):		Date	FEDERAL PARTICIPATION		
Other (specify):	JOON KANG, PM	Date 8/5/13	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING		
District Prior Approval By:	Deanna Vilcheck	Date 2/7/13	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)		
HQ (Issue Approve) By:	LARRY SALVANEY	Date 6/12/13	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS		
Resident Engineer's Signature:	<i>Jeannette Beau</i>	Date 8-5-13	FEDERAL FUNDING SOURCE	PERCENT	

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO: 602	Suppl. No. 0	Contract No. 04 - 0120M4	Road 04-ALA-80-1.6/2.7	FED. AID LOC.: NO FED AID
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To: FLATIRON WEST INC

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Extra Work at Force Account:

Perform site investigation and additional material testing and sampling, establish work staging areas and perform other preparatory work for the planned ponding repair and overlay work at the San Francisco Oakland Bay Bridge Toll Plaza as determined by the Engineer.

This work will be paid in accordance with Contract Special Provisions Section 5-1.11 Force Account Payment and Standard Specification Section 4-1.03D Extra Work.

Estimated cost of Extra Work at Force Account\$200,000.00

Estimated Cost: Increase Decrease \$200,000.00

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by

Signature <i>Jeannie Balderramos</i>	Resident Engineer JEANNIE BALDERRAMOS	Date 6-7-2013
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Approval Recommended by

Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 6/11/13
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Engineer Approval by

Signature <i>Deanna Vilcheck</i>	Area Construction Manager DEANNA VILCHECK	Date 7/3/13
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We the undersigned contractor, have given careful consideration to the change proposed and agree, if this proposal is approved, that we will provide all equipment, furnish the materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by

Signature <i>[Signature]</i>	(Print name and title) F. D. [Signature]	Date 6/19/13
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