INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
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3-4	UTILITY PLANS
5	CONSTRUCTION AREA SIGNS
6-24	PAVEMENT DELINEATION AND SIGN PLANS AND QUANTITIES
25-49	SIGN DETAILS AND QUANTITIES
50-68	ELECTRICAL PLANS
69-81	REVISED STANDARD PLANS

THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

ACHSNHPG-Q101(252)E

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	1	81

PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

IN SANTA BARBARA COUNTY
IN AND NEAR SANTA BARBARA AND GOLETA
FROM QUARANTINA STREET UNDERCROSSING
TO 0.2 MILE NORTH OF FAIRVIEW AVENUE OVERCROSSING

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

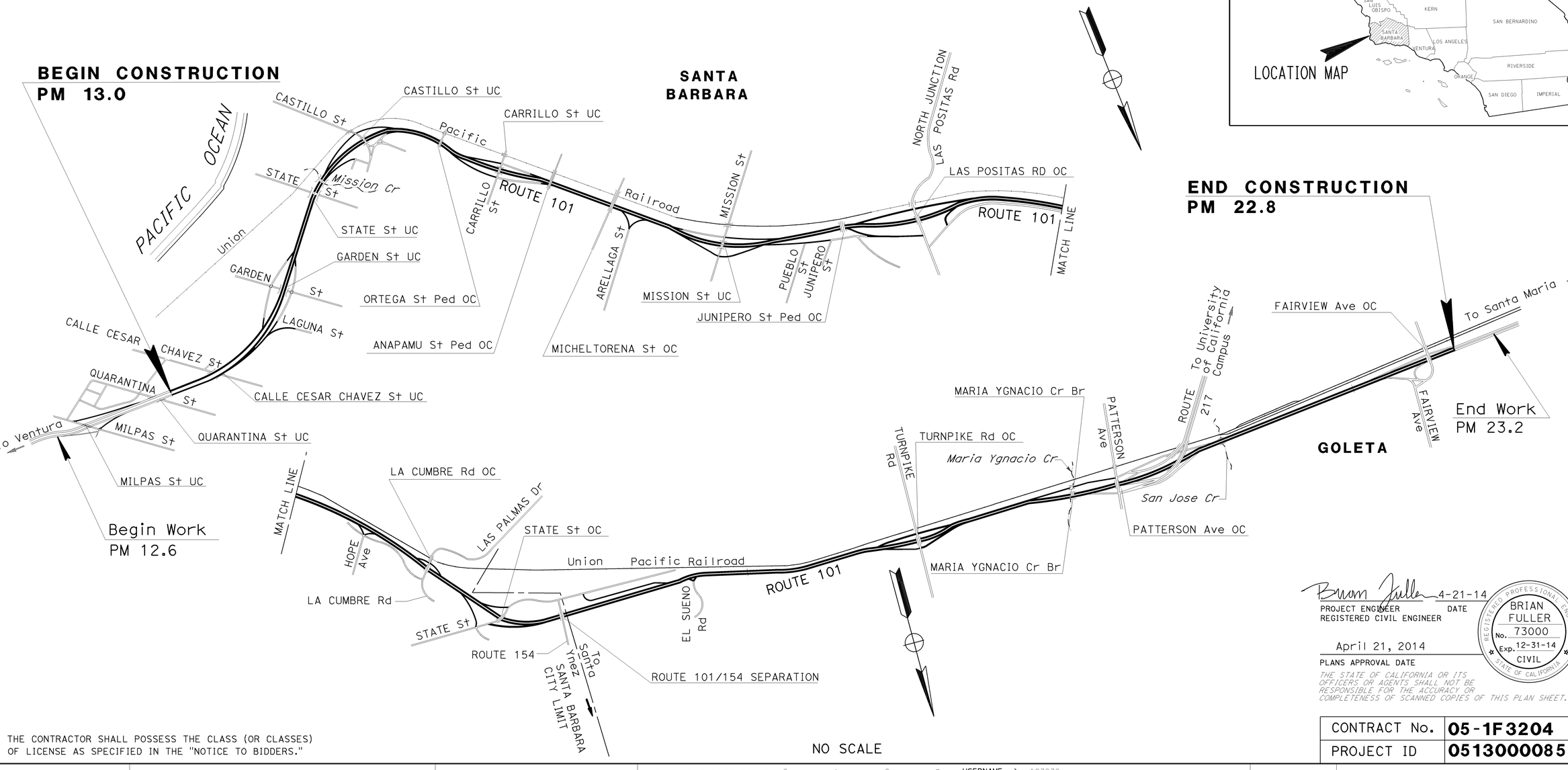
LOCATION MAP

BEGIN CONSTRUCTION
PM 13.0

END CONSTRUCTION
PM 22.8

SANTA BARBARA

GOLETA



NO SCALE

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

Brian Fuller 4-21-14
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

April 21, 2014
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
BRIAN FULLER
No. 73000
Exp. 12-31-14
CIVIL
STATE OF CALIFORNIA

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.	05-1F3204
PROJECT ID	0513000085

PROJECT MANAGER: DAVID BEARD
DESIGN ENGINEER: STEVE WYATT

LAST REVISION 04-21-14
DATE PLOTTED => 30-APR-2014
TIME PLOTTED => 11:18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	2	81

REGISTERED CIVIL ENGINEER — DATE 4-21-14

BRIAN FULLER No. 73000 Exp. 12-31-14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

4-21-14
PLANS APPROVAL DATE

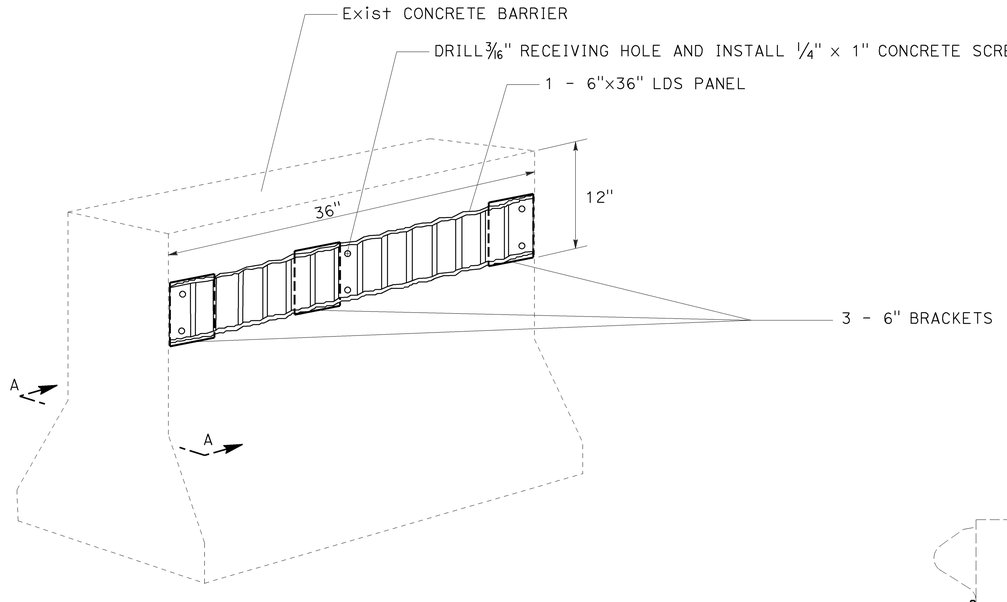
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE:

1. LDS PANELS ARE 6" WIDE X 34" LONG.

ABBREVIATION:

LDS LINEAR DELINEATION SYSTEM

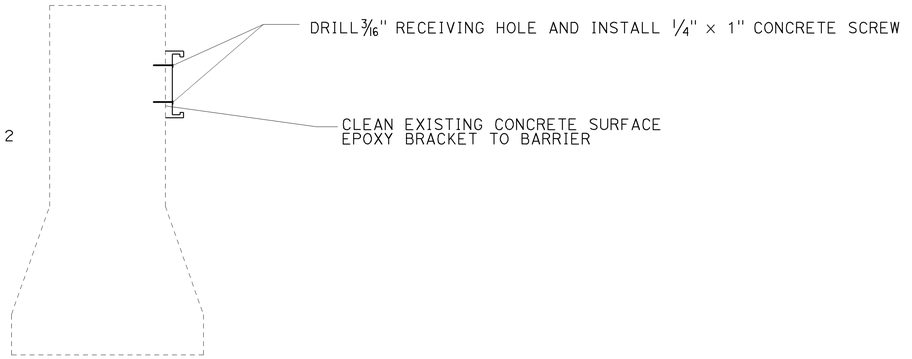


LDS REFLECTIVE PANEL INSTALLATION CONCRETE MEDIAN BARRIER

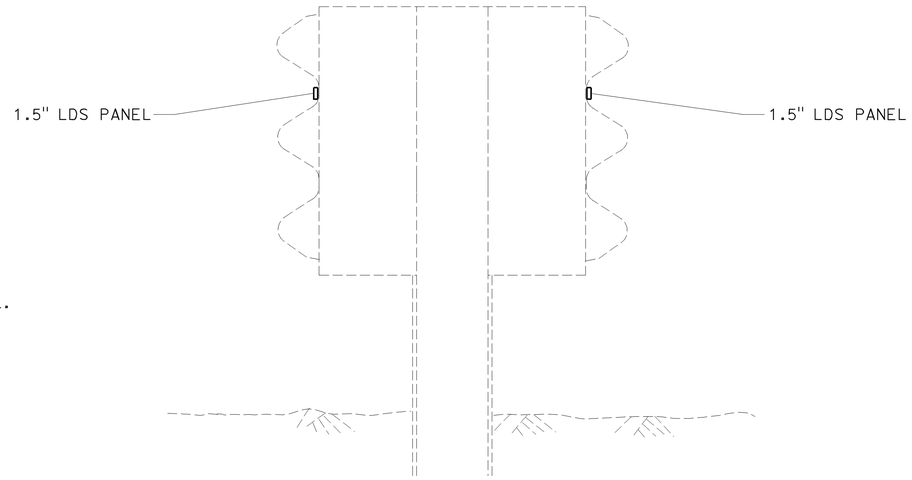
CONCRETE BARRIER INSTALLATION NOTES:

1. LDS PANEL INSTALLS IN BRACKETS. FOR BRACKET INSTALLATION SEE SECTION A-A.

2. FOR THEFT PROTECTION, FOR EACH PANEL, AT CENTER BRACKET ONE SCREW WILL GO INTO LDS PANEL AND BARRIER BUT NOT BRACKET. THE CENTER BRACKET SHALL BE OFFSET FROM PILOT HOLES IN LDS PANEL.



SECTION A-A BRACKET INSTALLATION CONCRETE MEDIAN BARRIER



THRIE BEAM LDS PANEL INSTALLATION

CONSTRUCTION DETAILS

SCALE: 1" = 50'

C-1

CALCULATED-DESIGNED BY: BRIAN FULLER
CHECKED BY: MIKE O'NEAL
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR: STEVE WYATT
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION 04-21-14
DATE PLOTTED => 30-APR-2014
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	3	81

Brian Fuller 4-21-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

BRIAN FULLER No. 73000 Exp.12-31-14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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.

WEST MONTECITO St
Union Pacific Railroad
PM 13.90
PM 14.00
PM 14.10
NB OFF RAMP
SB ON RAMP
RCV A6 WITH 27 SPRAY SPRINKLERS
Exist IRRIGATION
12" GAS (SC) CA GAS
CHAPALA St

HIGH RISK UTILITY

NOTES:

1. UTILITY OWNERSHIP:
2. GAS - SOUTHERN CALIFORNIA GAS
   ELECTRICAL - PACIFIC GAS AND ELECTRIC (PG&E)
   TELECOMMUNICATIONS - CROWN CASTLE AND AT&T
   TV - COX CABLE
   WATER - CITY OF SANTA BARBARA

   HIGH RISK UTILITY IS OUTSIDE LIMITS OF PLANNED EXCAVATION. IF ANY EXCAVATION IS PLANNED NEAR UTILITY CONTRACTOR MUST POSITIVELY LOCATE THE UTILITY.
3. CHECK AND TEST IRRIGATION FACILITIES SHALL OCCUR PRIOR TO TRENCHING FOR ELECTRICAL WORK, AND MUST INCLUDE:
   A. MANUALLY OPERATING EXISTING CONTROLLER STATIONS A-1 THROUGH A-8, AND C-1 THROUGH C-10, AND C-12 FROM CONTROLLER TO DEMONSTRATE REMOTE CONTROL VALVE OPERATION AND CONDUCTOR CONTINUITY.
   B. CHECKING SPRINKLER OPERATION ON VALVES A-1,A-2, A-6 THROUGH A-8, C-1 THROUGH C-10.

EXISTING IRRIGATION
RCV C6 WITH 8 IMPACT SPRINKLERS
RCV C4 WITH 8 IMPACT SPRINKLERS
RCV C5 WITH 8 IMPACT SPRINKLERS
Exist IRRIGATION
SB OFF RAMP
EXISTING IRRIGATION
RCV C4 WITH 8 IMPACT SPRINKLERS
RCV C5 WITH 17/GEAR DRIVEN SPRINKLERS
RCV C6 WITH 7 SPRAY SPRINKLERS
PM 14.20
PM 14.30
PM 14.40
EXISTING IRRIGATION
RCV A3 WITH 82 BUBBLERS
RCV A4 WTIH 84 BUBBLERS
RCV A5 WITH 79 BUBBLERS
NB ON RAMP
18" WATER LN
30" CASING
WEST HALEY St
CASTILLO St
EXISTING IRRIGATION
3" GV
RCV A2 WITH 5 IMPACT SPRINKLERS
RCV A1 WITH 8 IMPACT SPRINKLERS
EXISTING IRRIGATION
50 GV
RCV A8 WITH 7 IMPACT SPRINKLERS
RCV A7 WITH 22 SPRAY SPRINKLERS
50 WS
RCV A6 WITH 125 BUBBLERS

APPROVED FOR UTILITY INFORMATION ONLY

UTILITY PLAN

SCALE: 1" = 50'

U-1

REVISED BY | DATE REVISED
BRIAN FULLER | MIKE O'NEAL
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: STEVE WYATT
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

LAST REVISION | DATE PLOTTED => 30-APR-2014
04-21-14 | TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010 | USERNAME => s123239 | DGN FILE => 0513000085ka001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1450 | PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	4	81

Brian Fuller 4-21-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

BRIAN FULLER No. 73000 Exp.12-31-14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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EXISTING IRRIGATION
2" GV
RCV C8 WITH 8 IMPACT SPRINKLERS
RCV C7 WITH 8 IMPACT SPRINKLERS
Union Pacific Railroad
AT&T FO
EXISTING IRRIGATION
RCV C9 WITH 8 IMPACT SPRINKLERS
RCV C10 WITH 8 IMPACT SPRINKLERS
2" GV
3"
SB ON RAMP
6" GAS (SO CAL GAS)
PM 14.50
ROUTE 101
PM 14.60
EXISTING RCV C12
LOCATED APPROXIMATELY
400 FT WEST AT CARRILLO ST
WITH 10 SPRAY SPRINKLERS
PM 14.70
NB OFF RAMP
HIGH RISK UTILITY

Union Pacific Railroad
AT&T FO
SB OFF RAMP
SB ON RAMP
PM 14.80
ROUTE 101
PM 14.90
ANAPAMU Ped OC
NB ON RAMP
NB OFF RAMP
CARRILLO St

APPROVED FOR UTILITY INFORMATION ONLY

UTILITY PLAN

SCALE: 1" = 50'

U-2

REVISED BY | DATE REVISED
BRIAN FULLER | MIKE O'NEAL
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: STEVE WYATT
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION 04-21-14 | DATE PLOTTED => 30-APR-2014 | TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010 | USERNAME => s123239 | DGN FILE => 0513000085ka002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1450 | PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	5	81

Brian Fuller 4-21-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

BRIAN FULLER No. 73000 Exp.12-31-14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

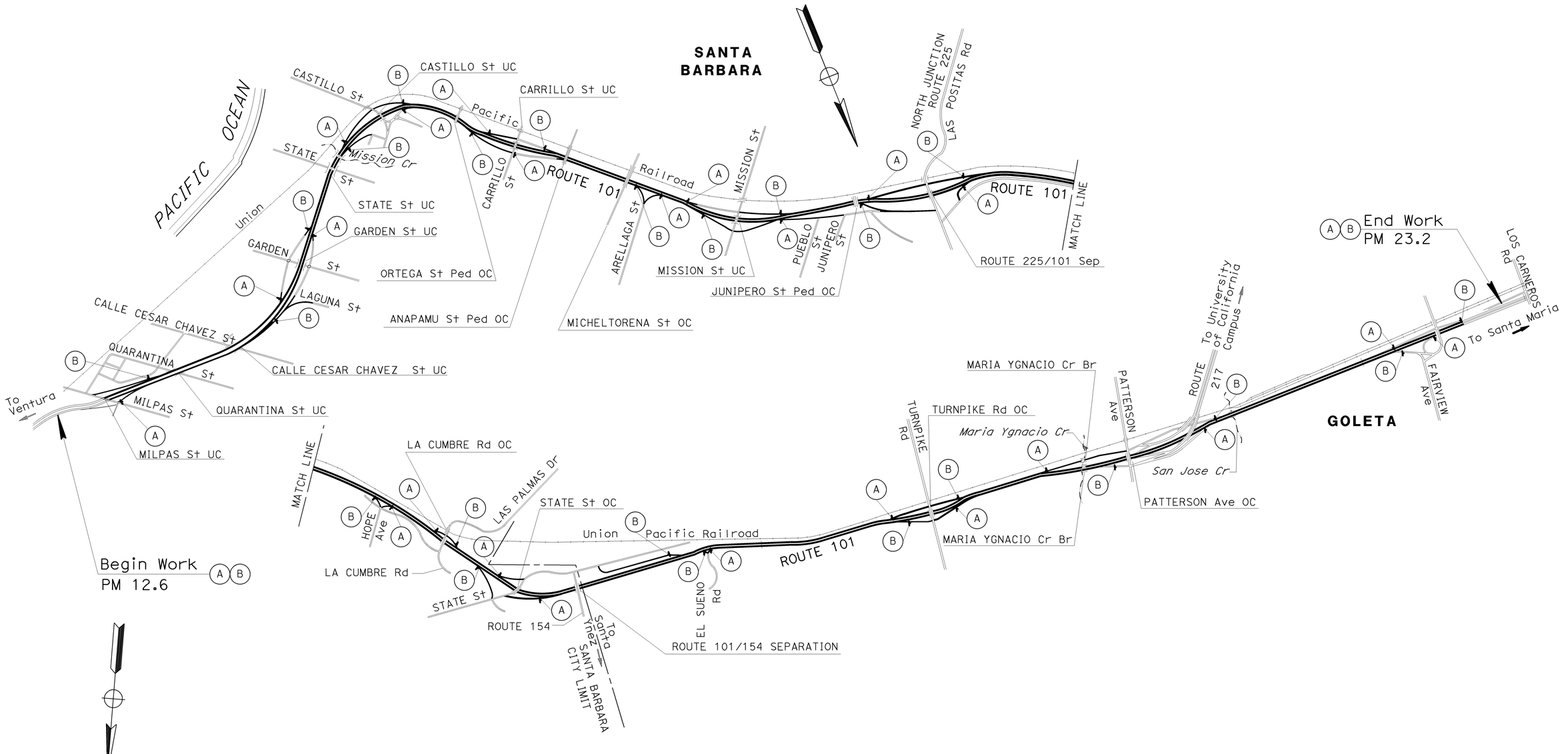
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. EXACT LOCATIONS OF PCMS WILL BE DETERMINED BY THE ENGINEER.
2. LOCATION OF CONSTRUCTION AREA SIGNS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No. (X)	SIGN CODE		PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	No. OF SIGNS
	FEDERAL	CALIFORNIA				
A	W20-1	C23	48" X 48"	ROAD WORK AHEAD	1 - 4" X 4"	25
B	G20-2	C14	36" X 18"	END ROAD WORK	1 - 4" X 4"	25



APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

BRIAN FULLER — CALCULATED-DESIGNED BY
MIKE O'NEAL — CHECKED BY
STEVE WYATT — FUNCTIONAL SUPERVISOR
REVISED BY
DATE REVISED
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION DATE PLOTTED => 30-APR-2014
TIME PLOTTED => 11:18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	6	81

Brian Fuller 4-21-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

BRIAN FULLER No. 73000 Exp. 12-31-14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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NOTES:

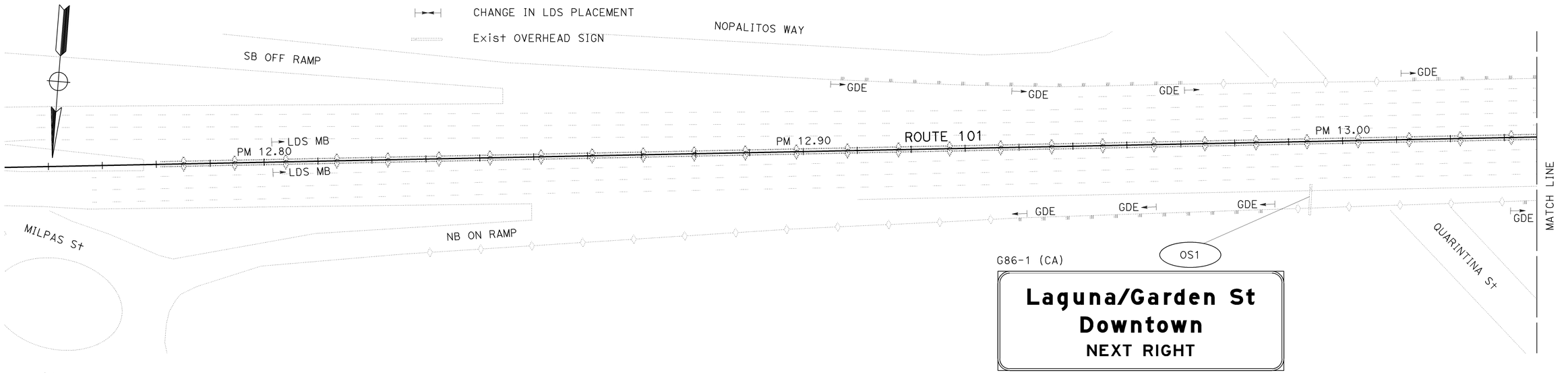
1. FEDERAL SIGN CODES ARE SHOWN UNLESS DESIGNATED BY (CA) WHICH INDICATES A CALIFORNIA SIGN CODE.
2. USE TYPE F GUARD RAILING DELINEATOR.

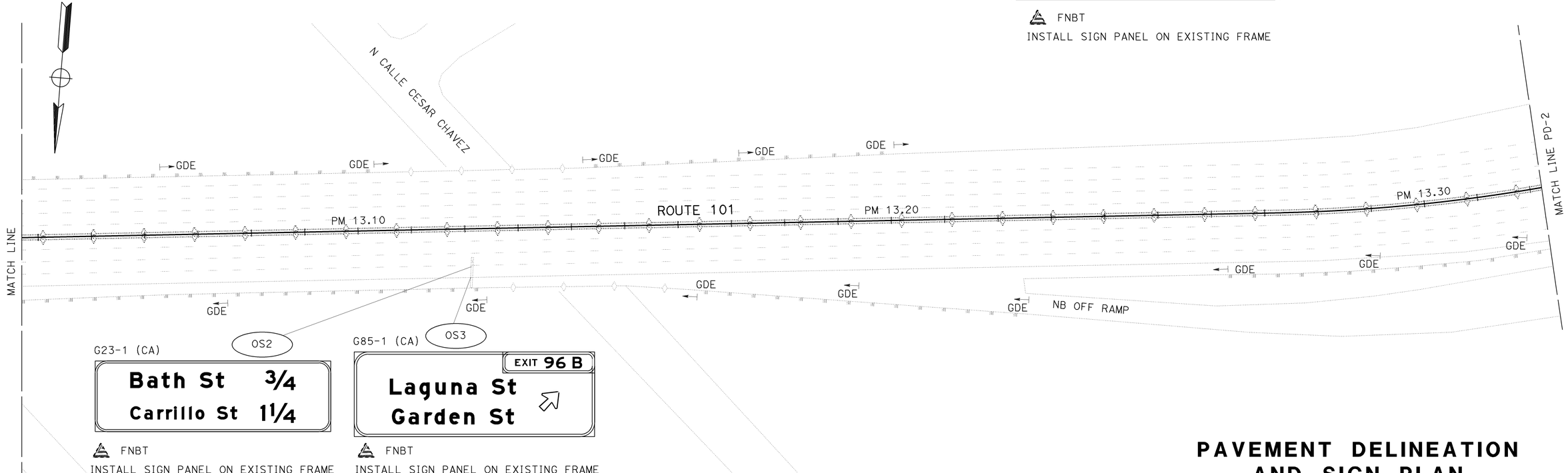
ABBREVIATION:

LDS LINEAR DELINEATION SYSTEM

LEGEND:

- GDE — GUARD RAILING DELINEATOR
- LDS MB — LDS REFLECTIVE PANEL (MEDIAN BARRIER) YELLOW 6"x34" 192' ON CENTER NB AND SB
- LDS TB — LDS REFLECTIVE PANEL (THRIE BEAM) YELLOW 1.5"x34" 192' ON CENTER NB AND SB
- CHANGE IN LDS PLACEMENT
- Exist OVERHEAD SIGN
- REMOVE OVERHEAD SIGN PANEL
- OS1 — OVERHEAD SIGN NUMBER





APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

PAVEMENT DELINEATION AND SIGN PLAN

SCALE: 1" = 50'

PD-1

BRIAN FULLER — CALCULATED-DESIGNED BY
MIKE O'NEAL — CHECKED BY
STEVE WYATT — FUNCTIONAL SUPERVISOR
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

REVISED BY | DATE REVISED

LAST REVISION DATE PLOTTED => 30-APR-2014
04-21-14 TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010 | USERNAME => s123239 | DGN FILE => 0513000085na001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1450 | PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	7	81

REGISTERED CIVIL ENGINEER — DATE: 4-21-14

BRIAN FULLER No. 73000 Exp. 12-31-14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

PLANS APPROVAL DATE: 4-21-14

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.

MATCH LINE PD-1

SB ON RAMP

GDE

GARDEN St

R9-3A S2-5

SB OFF RAMP

R9-3A S2-4

PM 13.40

ROUTE 101

PM 13.50

MATCH LINE

NB OFF RAMP

S=120'

R9-3A S2-1

R9-3A S2-2

R9-3A S2-3

NB ON RAMP

FSBT
INSTALL SIGN PANEL ON EXISTING FRAME
Milpas St
NEXT 2 EXITS
G87(CA)
OS4

FSBT
INSTALL SIGN PANEL ON EXISTING FRAME
EXIT 96 B
Garden St
G85-6(CA)
OS5

FNBT
INSTALL SIGN PANEL ON EXISTING FRAME
Bath St
NEXT RIGHT
OS6
G86-1(CA)

MONTECITO St

MATCH LINE

PM 13.60

PM 13.70

ROUTE 101

PM 13.80

MATCH LINE PD-3

ANACAPA St

STATE St

APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

PAVEMENT DELINEATION AND SIGN PLAN

SCALE: 1" = 50'

PD-2

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: BRIAN FULLER
CHECKED BY: MIKE O'NEAL
FUNCTIONAL SUPERVISOR: STEVE WYATT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION: DATE PLOTTED => 30-APR-2014; TIME PLOTTED => 11:18; 04-21-14

BORDER LAST REVISED 7/2/2010

USERNAME => s123239
DGN FILE => 0513000085na002.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1450

PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	8	81

REGISTERED CIVIL ENGINEER — 4-21-14 DATE

4-21-14
PLANS APPROVAL DATE

BRIAN FULLER No. 73000 Exp.12-31-14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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FSBT
INSTALL SIGN PANEL ON EXISTING FRAME

Garden St
NEXT RIGHT

G86-1(CA)

OS7

WEST MONTECITO St

UNION PACIFIC RR

GDE

PM 13.90

PM 14.00

ROUTE 101

S=120'

SB ON RAMP

PM 14.10

NB OFF RAMP

MATCH LINE PD-2

CHAPALA St

G83-1(CA)

OS8

Carrillo St
½ MILES

FNBT
INSTALL SIGN PANEL ON EXISTING FRAME

OS9

G85-6(CA)

EXIT 97

Bath St

FNBT
INSTALL SIGN PANEL ON EXISTING FRAME

R9-3A
S3-1

MATCH LINE

FSBT
INSTALL SIGN PANEL ON EXISTING FRAME

Garden St
1 MILE

G83-1(CA)

OS10

FSBT
INSTALL SIGN PANEL ON EXISTING FRAME

EXIT 97

Castillo St
Harbor

G85-5(CA)

OS11

SEE Elec PLAN

(E)

(E)

SB OFF RAMP

UNION PACIFIC RR

R9-3A
S3-2

UNION PACIFIC RR

R9-3A
S3-3

PM 14.20

PM 14.30

ROUTE 101

PM 14.40

NB ON RAMP

MATCH LINE

MATCH LINE PD-4

R9-3A
S3-4

CASTILLO St

WEST HALEY St

APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

PAVEMENT DELINEATION AND SIGN PLAN

SCALE: 1" = 50'

PD-3

LAST REVISION DATE PLOTTED => 30-APR-2014
04-21-14 TIME PLOTTED => 11:18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

FUNCTIONAL SUPERVISOR: STEVE WYATT

CALCULATED-DESIGNED BY: BRIAN FULLER

CHECKED BY: MIKE O'NEAL

REVISED BY | DATE REVISED

BORDER LAST REVISED 7/2/2010

USERNAME => s123239
DGN FILE => 0513000085na003.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1450

PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	9	81

Brian Fuller 4-21-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER
BRIAN FULLER
No. 73000
Exp.12-31-14
CIVIL
STATE OF CALIFORNIA

SEE Elec PLAN FOR LIGHTS

UNION PACIFIC RR

S=120'

MATCH LINE PD-3

GDE

PM 14.50

ROUTE 101

PM 14.60

PM 14.70

SB ON RAMP

MATCH LINE

OS12

G83-1(CA)

Arrellaga St
3/4 MILE

FNBT
INSTALL SIGN PANEL ON EXISTING FRAME

OS13

G85-5(CA)

EXIT 98 A

Carrillo St

FNBT
INSTALL SIGN PANEL ON EXISTING FRAME

NB OFF RAMP

UNION PACIFIC RR

SB OFF RAMP

SB ON RAMP

R9-3A S4-3

R9-3A S4-4

PM 14.80

PM 14.90

ROUTE 101

MATCH LINE

CARRILLO St

ANAPAMU Ped OC

MATCH LINE PD-5

NB ON RAMP

FSBT
INSTALL SIGN PANEL ON EXISTING FRAME

OS14

Castillo St Harbor
NEXT EXIT

G86-1(CA)

R9-3A S4-1

R9-3A S4-2

APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

PAVEMENT DELINEATION AND SIGN PLAN

SCALE: 1" = 50'

PD-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: STEVE WYATT
CALCULATED-DESIGNED BY: BRIAN FULLER
CHECKED BY: MIKE O'NEAL
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 30-APR-2014
TIME PLOTTED => 11:18
04-21-14

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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Brian Fuller 4-21-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

BRIAN FULLER No. 73000 Exp.12-31-14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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FSBT
INSTALL SIGN PANEL ON EXISTING FRAME

EXIT 98 A
Carrillo St
Downtown
G85-5(CA)

OS15

FSBT
INSTALL SIGN PANEL ON EXISTING FRAME

Carrillo St 1/4
Downtown
Castillo St 3/4
G83-1(CA)

OS19

UNION PACIFIC RR

MATCH LINE PD-4

GDE

PM 15.00

PM 15.10

ROUTE 101

PM 15.20

MICHELTORINA St

MATCH LINE

OS16

FSBT
INSTALL SIGN PANEL ON EXISTING FRAME

Arrellaga St 1/4
Mission St 1/2
Pueblo 1
G23-1(CA)

OS17

G83-1(CA)
Mission St
1/4 MILE

FNBT
INSTALL SIGN PANEL ON EXISTING FRAME

OS18

G85-5(CA)
EXIT 98 B
Arrellaga St

FNBT
INSTALL SIGN PANEL ON EXISTING FRAME

UNION PACIFIC RR

MATCH LINE

PM 15.30

PM 15.40

ROUTE 101

PM 15.50

MATCH LINE PD-6

NB OFF RAMP

NB ON RAMP

R9-3A
S5-1

ARELLAGA St

APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

PAVEMENT DELINEATION AND SIGN PLAN

SCALE: 1" = 50'

PD-5

REVISED BY | DATE REVISED
BRIAN FULLER | MIKE O'NEAL
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: STEVE WYATT
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

LAST REVISION 04-21-14
DATE PLOTTED => 30-APR-2014
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BORDER LAST REVISED 7/2/2010
USERNAME => s123239
DGN FILE => 0513000085nq005.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1450
PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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Brian Fuller 4-21-14
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UNION PACIFIC RR

MATCH LINE PD-5

SB ON RAMP

PM 15.60

R9-3A S6-3

R9-3A S6-4

SB OFF RAMP

GDE

PM 15.70

ROUTE 101

PM 15.80

MATCH LINE

NB OFF RAMP

WEST MISSION ST

OS20

G85-5(CA)

EXIT 99 A

Mission St

FNBT

INSTALL SIGN PANEL ON EXISTING FRAME

FNBT

INSTALL SIGN PANEL ON EXISTING FRAME

Pueblo St 1/4

Las Positas Rd 1/2

La Cumbre/Hope 1 1/2

G23-1(CA)

OS21

R9-3A S6-1

R9-3A S6-2

NB ON RAMP

FSBT

INSTALL SIGN PANEL ON EXISTING FRAME

EXIT 99

Mission St

G85-5(CA)

OS25

G83-1(CA)

Carrillo St

3/4 MILE

FSBT INSTALL SIGN PANEL ON EXISTING FRAME

OS24

UNION PACIFIC RR

MATCH LINE PD-7

SB OFF RAMP

PM 15.90

LDS MB LDS TB

ROUTE 101

PM 16.00

MATCH LINE

S=150'

OS22

OS23

G24-5(CA)

EAST

Las Positas Rd

1/4 MILE

FNBT

INSTALL SIGN PANEL ON EXISTING FRAME

G85-5(CA)

EXIT 99 B

Pueblo St

FNBT

INSTALL SIGN PANEL ON EXISTING FRAME

R9-3A S6-5

WEST PUEBLO ST

APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

PAVEMENT DELINEATION AND SIGN PLAN

SCALE: 1" = 50'

PD-6

REVISED BY | DATE REVISED

BRIAN FULLER | MIKE O'NEAL

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: STEVE WYATT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

DESIGN

LAST REVISION | DATE PLOTTED => 30-APR-2014
04-21-14 | TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010

USERNAME => s123239
DGN FILE => 0513000085na006.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1450

PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	12	81

Brian Fuller 4-21-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

BRIAN FULLER No. 73000 Exp.12-31-14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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BRIAN FULLER | MIKE O'NEAL

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: STEVE WYATT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

Mission St 1/4
Carrillo St 1 1/4
Castillo St 2
G23-1(CA)

FSBT
INSTALL SIGN PANEL ON EXISTING FRAME

OS28

UNION PACIFIC RR

PEDESTRIAN OC

MATCH LINE PD-6

ROUTE 101

LDS TB LDS MB
PM 16.20
LDS TB LDS MB

GDE

S=160'

SB ON RAMP

PM 16.30

MATCH LINE PD-8

CALLE REAL

OS26

G83-1(CA)

La Cumbre Rd
Hope Ave 1 1/4

FNBT
INSTALL SIGN PANEL ON EXISTING FRAME

W JUNIPERO St

OS27

G85-5(CA)
EXIT 104
Las Positas Rd

FNBT
INSTALL SIGN PANEL ON EXISTING FRAME

NB OFF RAMP

TREASURE DR

R9-3A
S7-5

FSBT
INSTALL SIGN PANEL ON EXISTING FRAME

Mission St
3/4 MILE

G83-1(CA)

OS29

R9-3A
S7-3

R9-3A
S7-4

SB ON RAMP

SB OFF RAMP

MATCH LINE

PM 16.40

ROUTE 101
PM 16.50

PM 16.60

MATCH LINE PD-8

LAS POSITAS Rd

NB ON RAMP

R9-3A
S7-2

S7-1
R9-3A

CALLE REAL

LESLIE DR

BETTY DR

APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

PAVEMENT DELINEATION AND SIGN PLAN

SCALE: 1" = 50'

PD-7

LAST REVISION 04-21-14
DATE PLOTTED => 30-APR-2014
TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010

USERNAME => s123239
DGN FILE => 0513000085nq007.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1450

PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	13	81

Brian Fuller 4-21-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

BRIAN FULLER No. 73000 Exp.12-31-14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

DESIGN

Caltrans

OS32

EAST
Las Positas Rd

FSBT
INSTALL SIGN PANEL ON EXISTING FRAME

GDE S=200′ GDE GDE GDE GDE GDE

ROUTE 101

PM 16.70 PM 16.80 PM 16.90

MATCH LINE PD-7

CALLE REAL

MATCH LINE

FSBT
INSTALL SIGN PANEL ON EXISTING FRAME

Las Positas Rd	1/4
Mission St	1 1/4
Carrillo St	2 1/4

G23-1(CA)

FNBT
INSTALL SIGN PANEL ON EXISTING FRAME

La Cumbre Rd		1/4
Hope Ave		
State St	154	3/4

G83-1(CA)

FNBT
INSTALL SIGN PANEL ON EXISTING FRAME

La Cumbre Rd
Hope Avenue

G85-5(CA)

OS30 OS31 OS33

MODOC Rd

GDE S=200′ GDE GDE GDE GDE GDE GDE

ROUTE 101

PM 17.00 PM 17.10 PM 17.20

LDS MB LDS TB
LDS MB LDS TB

MATCH LINE

MATCH LINE PD-9

CALLE REAL

VISTA VALLEJO NORTHVIEW Rd STEVENS Rd APPLE GROVE Ln

APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

PAVEMENT DELINEATION AND SIGN PLAN

SCALE: 1" = 50′

PD-8

LAST REVISION | DATE PLOTTED => 30-APR-2014
04-21-14 | TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010

USERNAME => s123239
DGN FILE => 0513000085na008.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1450

PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	14	81

Brian Fuller 4-21-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER BRIAN FULLER No. 73000 Exp. 12-31-14 CIVIL STATE OF CALIFORNIA

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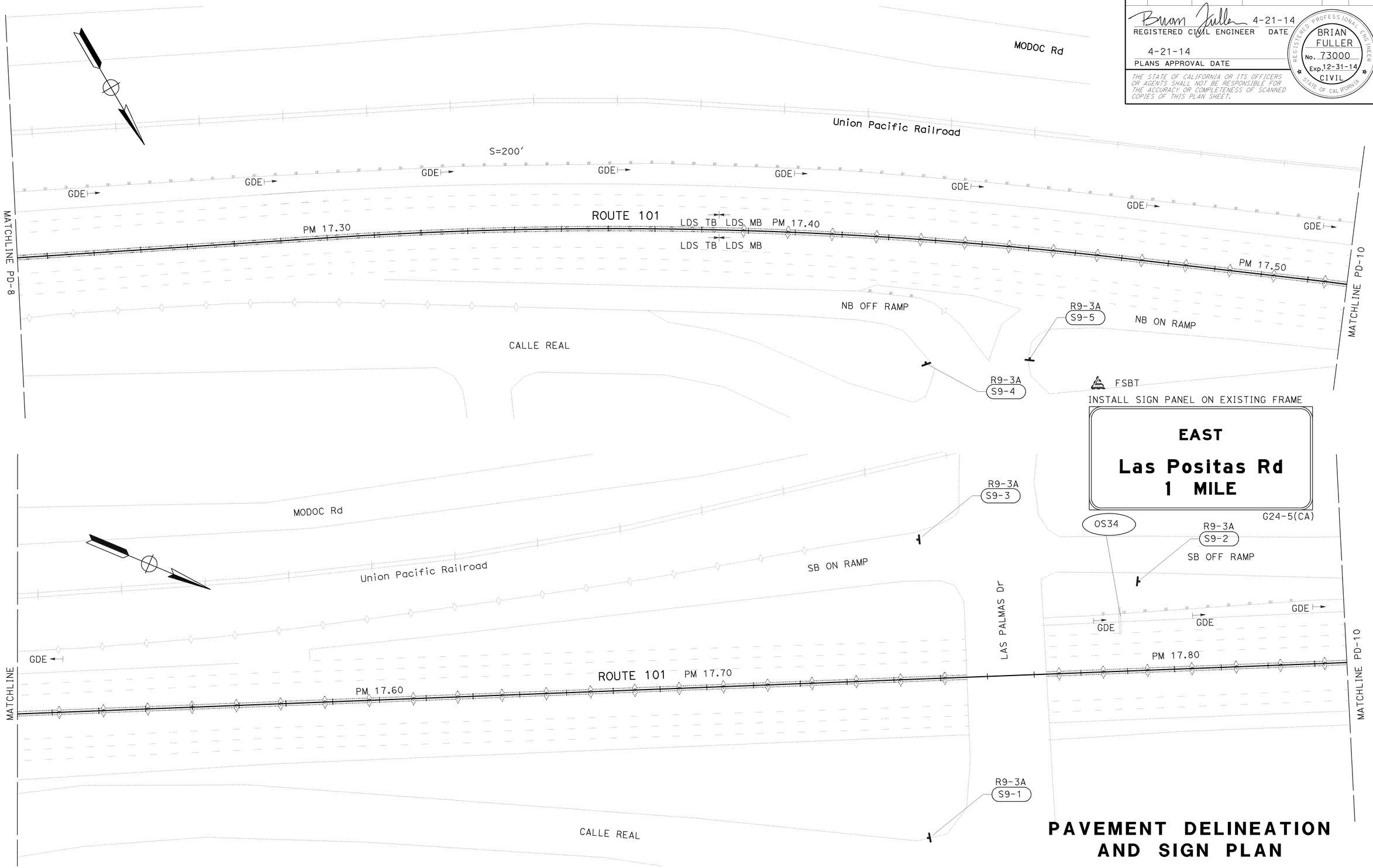

PAVEMENT DELINEATION AND SIGN PLAN

SCALE: 1" = 50'

APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

PD-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

FUNCTIONAL SUPERVISOR: STEVE WYATT
CALCULATED-DESIGNED BY: BRIAN FULLER
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REVISED BY
DATE REVISED

LAST REVISION 04-21-14
DATE PLOTTED => 30-APR-2014
TIME PLOTTED => 11:18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	15	81

REGISTERED CIVIL ENGINEER — 4-21-14 DATE

BRIAN FULLER No. 73000 Exp. 12-31-14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

4-21-14
PLANS APPROVAL DATE

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FSBT
INSTALL SIGN PANEL ON EXISTING FRAME

EXIT 101 A
La Cumbre Road
G85-5(CA)

OS36

SB OFF RAMP

MATCH LINE PD-9

GDE

PM 17.90

ROUTE 101

PM 18.00

PM 18.10

MATCH LINE

STATE ST

NB OFF RAMP

OS37

G85-6(CA)

EXIT 101 B
State St 154
Cachuma lake

FNBT
INSTALL SIGN PANEL ON EXISTING FRAME

R9-3A
S10-4

R9-3A
S10-5

FSBT
INSTALL SIGN PANEL ON EXISTING FRAME

La Cumbre Rd
½ MILE
G83-1(CA)

OS35

STATE ST

MATCH LINE

MATCH LINE PD-11

NB ON RAMP

R9-3A
S10-1

ROUTE 154

GDE

PM 18.20

ROUTE 101

PM 18.30

R9-3A
S10-2

SB ON RAMP

S10-3
R9-3A

CALLE REAL

APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

PAVEMENT DELINEATION AND SIGN PLAN

SCALE: 1" = 50'

PD-10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
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DATE REVISED

LAST REVISION
DATE PLOTTED => 30-APR-2014
TIME PLOTTED => 11:18
04-21-14

BORDER LAST REVISED 7/2/2010
USERNAME => s123239
DGN FILE => 0513000085na010.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1450
PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	16	81

Brian Fuller 4-21-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
BRIAN FULLER
No. 73000
Exp.12-31-14
CIVIL
STATE OF CALIFORNIA

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STATE St

R9-3A
S11-3

SB OFF RAMP

MATCHLINE PD-10

ROUTE 101

PM 18.40

PM 18.50

PM 18.60

MATCHLINE

GDE

S=200'

CALLE REAL

FSBT
INSTALL SIGN PANEL ON EXISTING FRAME

EXIT 101 B
State St 154
G85-6(CA)

OS39

HOLLISTER Ave

UNION PACIFIC RR

SB OFF RAMP

MATCHLINE

PM 18.70

ROUTE 101

PM 18.80

PM 18.90

LDS MB
LDS TB

MATCHLINE PD-12

R9-3A
S11-2

NB OFF RAMP

R9-3A
S11-1

NB ON RAMP

OS38
G85-5(CA)
EXIT 102
El Sueno Road

FNBT
INSTALL SIGN PANEL ON EXISTING FRAME

APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

PAVEMENT DELINEATION AND SIGN PLAN

SCALE: 1" = 50'

PD-11

REVISED BY | DATE REVISED
BRIAN FULLER | 4-21-14
MIKE O'NEAL
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04-21-14 | TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010
USERNAME => s123239
DGN FILE => 0513000085na011.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1450
PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	17	81

Brian Fuller 4-21-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER
BRIAN FULLER
No. 73000
Exp. 12-31-14
CIVIL
STATE OF CALIFORNIA

UNION PACIFIC RR

GDE GDE

MATCHLINE PD-11

PM 19.00 ROUTE 101 LDS TB LDS MB PM 19.10

LDS TB LDS MB

MATCHLINE

GDE GDE

CALLE REAL

FNBT
INSTALL SIGN PANEL ON EXISTING FRAME

Turnpike Rd
3/4 MILES

G83-1(CA)

OS40

FSBT
INSTALL SIGN PANEL ON EXISTING FRAME

Santa Barbara
NEXT 9 EXITS

G87(CA)

OS41

FSBT
INSTALL SIGN PANEL ON EXISTING FRAME

State St	154	1/2
La Cumbre Rd		1 1/4
Las Positas Rd		2 1/2

G23-1(CA)

OS42

FNBT
INSTALL SIGN PANEL ON EXISTING FRAME

Turnpike Rd		1/2
Patterson Ave		1 1/4
217 UCSB	✈	2 1/2

G23-1(CA)

OS43

UNION PACIFIC RR

MATCHLINE

PM 19.20 PM 19.30 ROUTE 101 PM 19.40

S=200′

GDE GDE GDE GDE

MATCHLINE PD-13

CALLE REAL

APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

PAVEMENT DELINEATION AND SIGN PLAN

SCALE: 1" = 50′

PD-12

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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LAST REVISION | DATE PLOTTED => 30-APR-2014 | TIME PLOTTED => 11:18
04-21-14

BORDER LAST REVISED 7/2/2010 | USERNAME => s123239 | DGN FILE => 0513000085na012.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1450 | PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	18	81

Brian Fuller 4-21-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
BRIAN FULLER
No. 73000
Exp.12-31-14
CIVIL
STATE OF CALIFORNIA

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FNBT
INSTALL SIGN PANEL ON EXISTING FRAME

EXIT 103
Turnpike Road
G85-5(CA)

OS45

MATCH LINE PD-12

S=200′ GDE GDE GDE GDE GDE GDE GDE GDE GDE GDE

PM 19.50 ROUTE 101 PM 19.60 PM 19.70

MATCH LINE

FSBT
INSTALL SIGN PANEL ON EXISTING FRAME

State St 154
1 MILE
G24-5(CA)

OS46

N SAN ANTONIO Rd

CALLE REAL

FNBT
INSTALL SIGN PANEL ON EXISTING FRAME

Patterson Ave
1 MILE
G83-1(CA)

OS44

R9-3A
S13-2

SB ON RAMP

MATCH LINE

S=200′ GDE GDE GDE

PM 19.80 PM 19.90 ROUTE 101 PM 20.00

MATCH LINE PD-14

TURNPIKE Rd

R9-3A
S13-1

NB OFF RAMP

CALLE REAL

APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

PAVEMENT DELINEATION AND SIGN PLAN

SCALE: 1" = 50′

PD-13

CALCULATED-DESIGNED BY	CHECKED BY	FUNCTIONAL SUPERVISOR	REVISED BY	DATE REVISED
BRIAN FULLER	MIKE O'NEAL	STEVE WYATT		

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION DATE PLOTTED => 30-APR-2014
04-21-14 TIME PLOTTED => 11:18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	19	81

Brian Fuller 4-21-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
BRIAN FULLER
No. 73000
Exp.12-31-14
CIVIL
STATE OF CALIFORNIA

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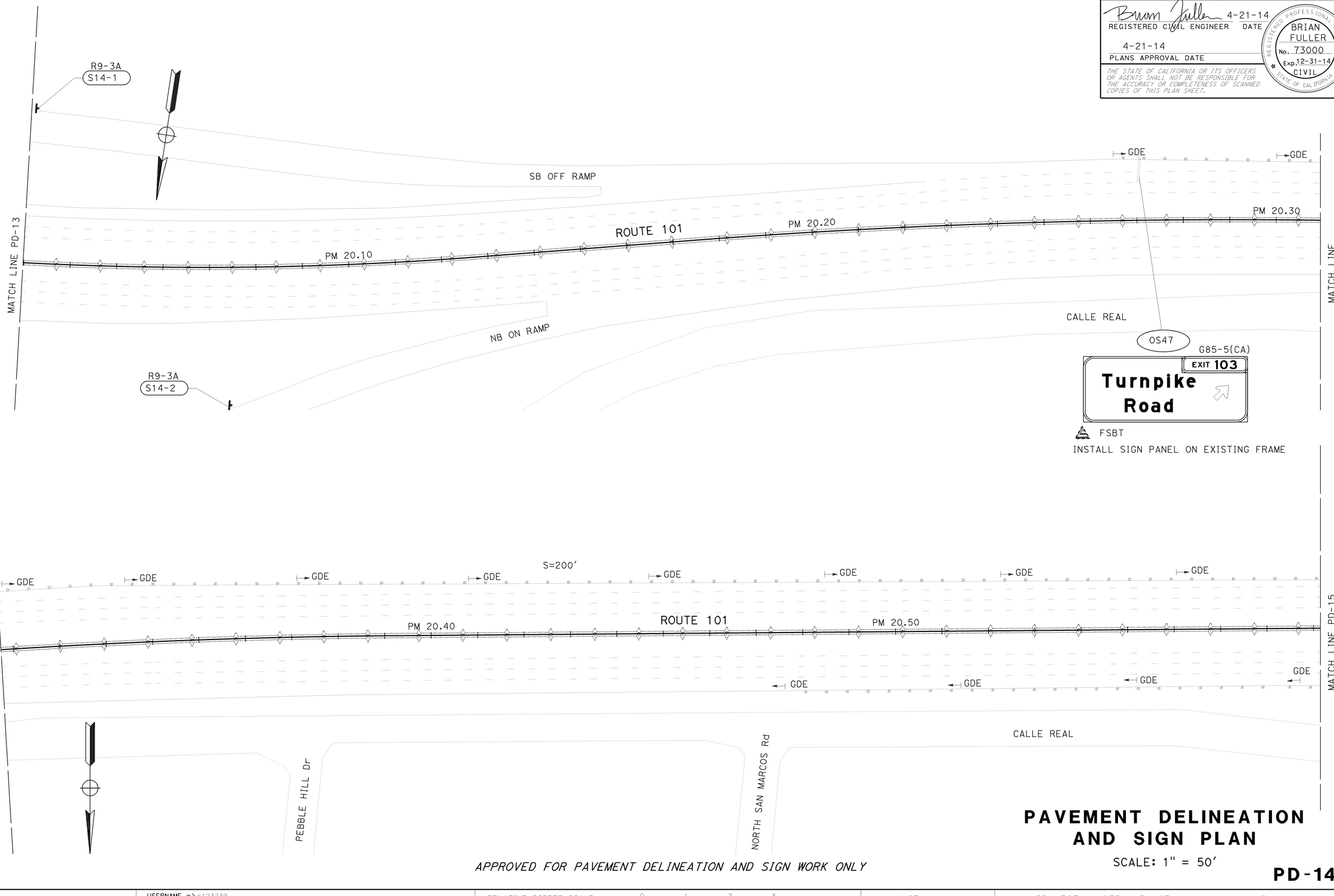

APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

PAVEMENT DELINEATION AND SIGN PLAN

SCALE: 1" = 50'

PD-14

REVISED BY | DATE REVISED

BRIAN FULLER | MIKE O'NEAL

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FUNCTIONAL SUPERVISOR: STEVE WYATT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION | DATE PLOTTED => 30-APR-2014
04-21-14 | TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010

USERNAME => s123239
DGN FILE => 0513000085na014.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1450

PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	20	81

Brian Fuller 4-21-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

BRIAN FULLER No. 73000 Exp.12-31-14 CIVIL
REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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FUNCTIONAL SUPERVISOR: STEVE WYATT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

G23-1(CA)

Patterson Ave 1/4
Airport 217 1/2
UCSB

FNBT
INSTALL SIGN PANEL ON EXISTING FRAME

G23-1(CA)

Turnpike Rd 1/4
State St 154 1 3/4
La Cumbre Rd 2 1/2

FSBT
INSTALL SIGN PANEL ON EXISTING FRAME

OS51

OS50

MATCH LINE PD-14

S=200'

GDE

ROUTE 101

PM 20.60

PM 20.70

PM 20.80

MATCH LINE

CALLE REAL

FNBT
INSTALL SIGN PANEL ON EXISTING FRAME

Fairview Ave
1 1/4 MILES

G83-1(CA)

FNBT
INSTALL SIGN PANEL ON EXISTING FRAME

217 Airport
UCSB

G24-5(CA)

OS52

OS53

SB ON RAMP

SB OFF RAMP

R9-3A
S15-2

PATTERSON Ave

MATCH LINE

PM 20.90

PM 21.00

PM 21.10

ROUTE 101

MATCH LINE PD-16

OS48

G24-5(CA)

OS49

G85-5(CA)

217 Airport
UCSB
1/4 MILE

EXIT 101A
Patterson Avenue

FNBT
INSTALL SIGN PANEL ON EXISTING FRAME

FNBT
INSTALL SIGN PANEL ON EXISTING FRAME

R9-3A
S15-1

NB OFF RAMP

APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

PAVEMENT DELINEATION AND SIGN PLAN

SCALE: 1" = 50'

PD-15

LAST REVISION | DATE PLOTTED => 30-APR-2014
04-21-14 | TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010

USERNAME => s123239
DGN FILE => 0513000085na015.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1450

PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	21	81

Brian Fuller 4-21-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
BRIAN FULLER
No. 73000
Exp.12-31-14
CIVIL
STATE OF CALIFORNIA

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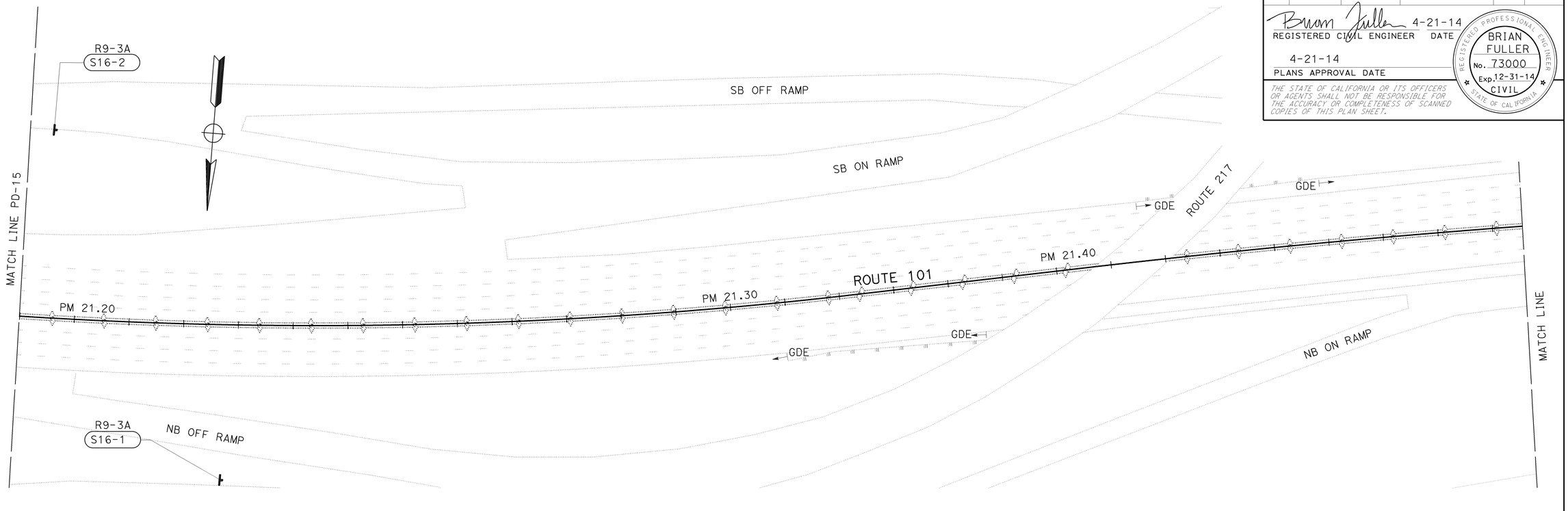

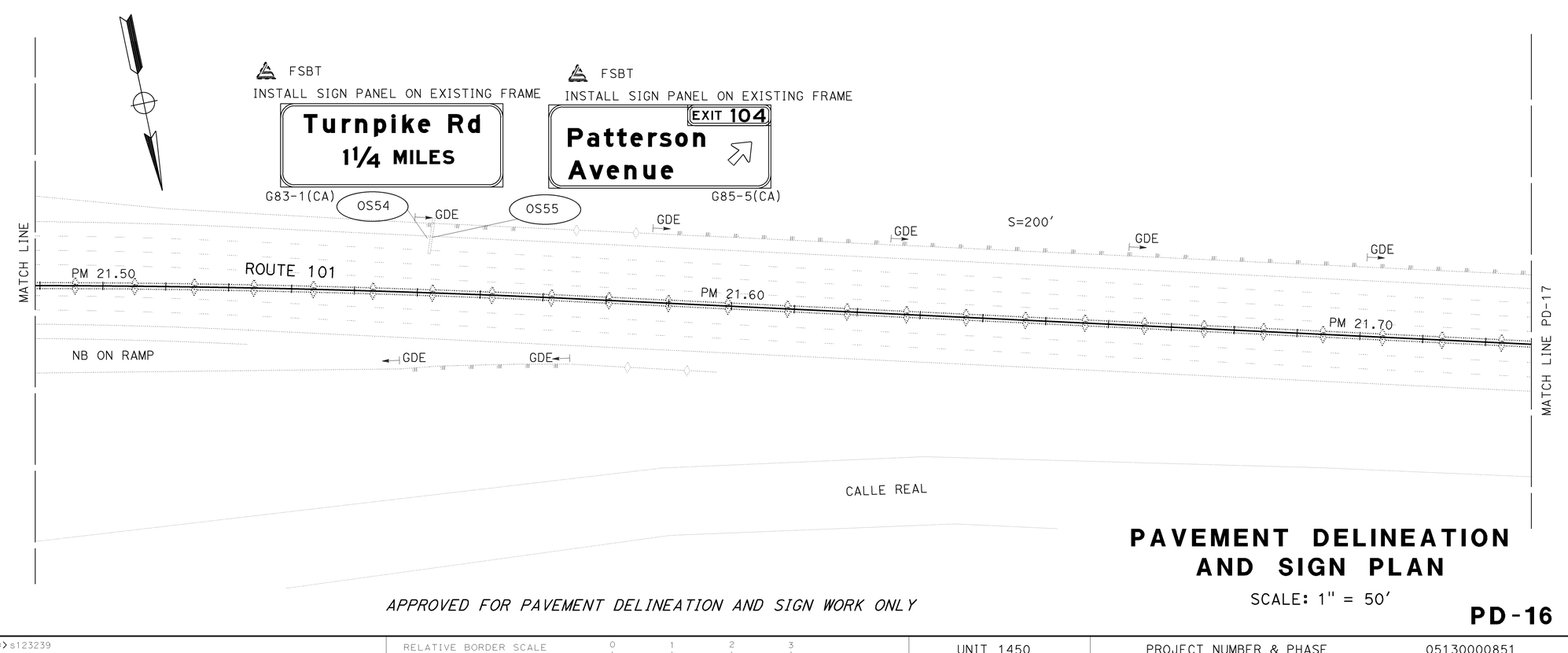

APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

PAVEMENT DELINEATION AND SIGN PLAN

SCALE: 1" = 50'

PD-16

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: STEVE WYATT
CALCULATED-DESIGNED BY: BRIAN FULLER
CHECKED BY: MIKE O'NEAL
REVISED BY | DATE REVISED

LAST REVISION DATE PLOTTED => 30-APR-2014
TIME PLOTTED => 11:18
04-21-14

BORDER LAST REVISED 7/2/2010
USERNAME => s123239
DGN FILE => 0513000085na016.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1450
PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	22	81

Brian Fuller 4-21-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

BRIAN FULLER No. 73000 Exp.12-31-14 CIVIL
REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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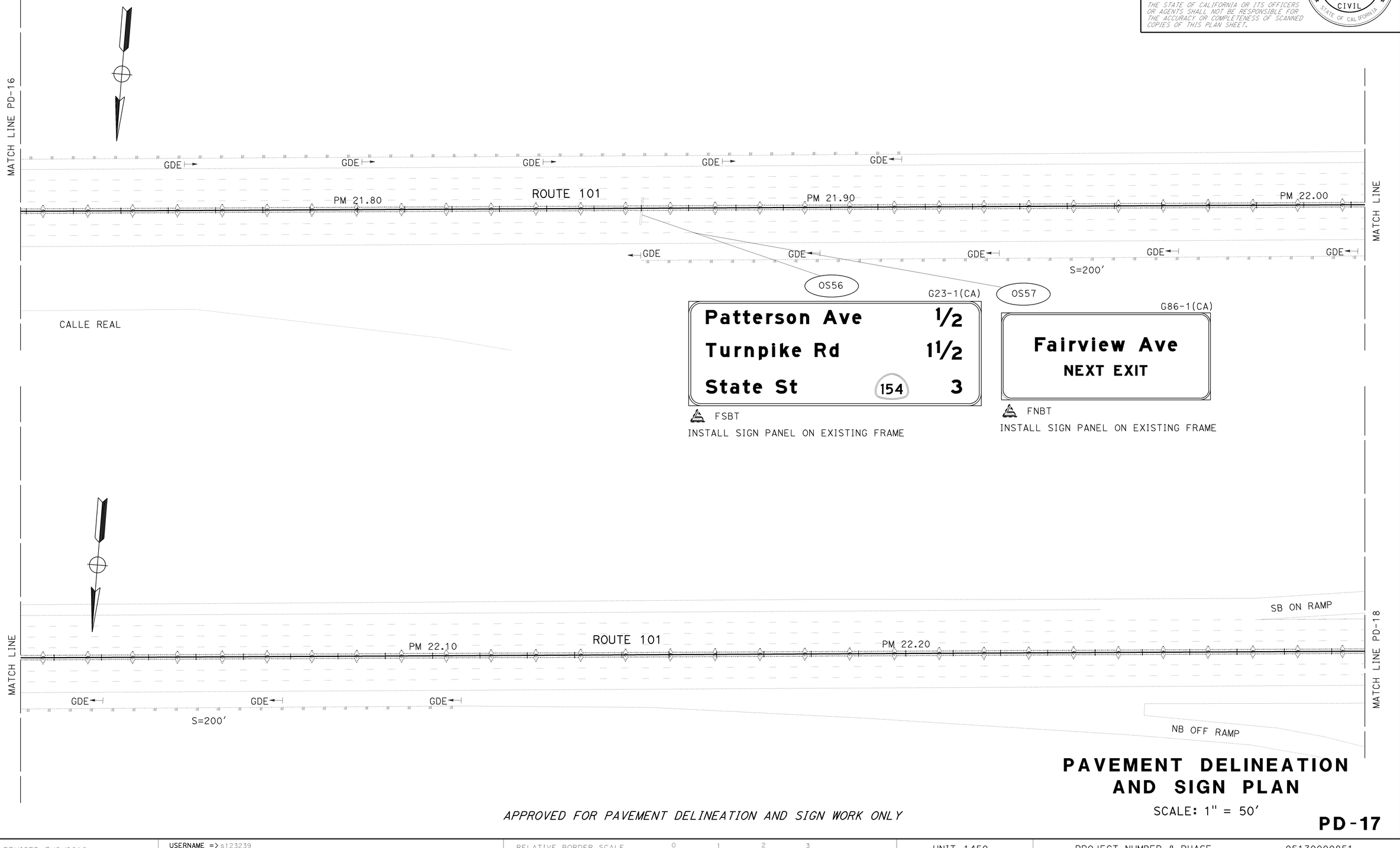

PAVEMENT DELINEATION AND SIGN PLAN

SCALE: 1" = 50'

APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

PD-17

BRIAN FULLER — CALCULATED-DESIGNED BY
MIKE O'NEAL — CHECKED BY
STEVE WYATT — FUNCTIONAL SUPERVISOR
REVISED BY — DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans®

LAST REVISION | DATE PLOTTED => 30-APR-2014
04-21-14 | TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010 | USERNAME => s123239 | DGN FILE => 05130000085na017.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1450 | PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	23	81

REGISTERED CIVIL ENGINEER — 4-21-14 DATE

4-21-14
PLANS APPROVAL DATE

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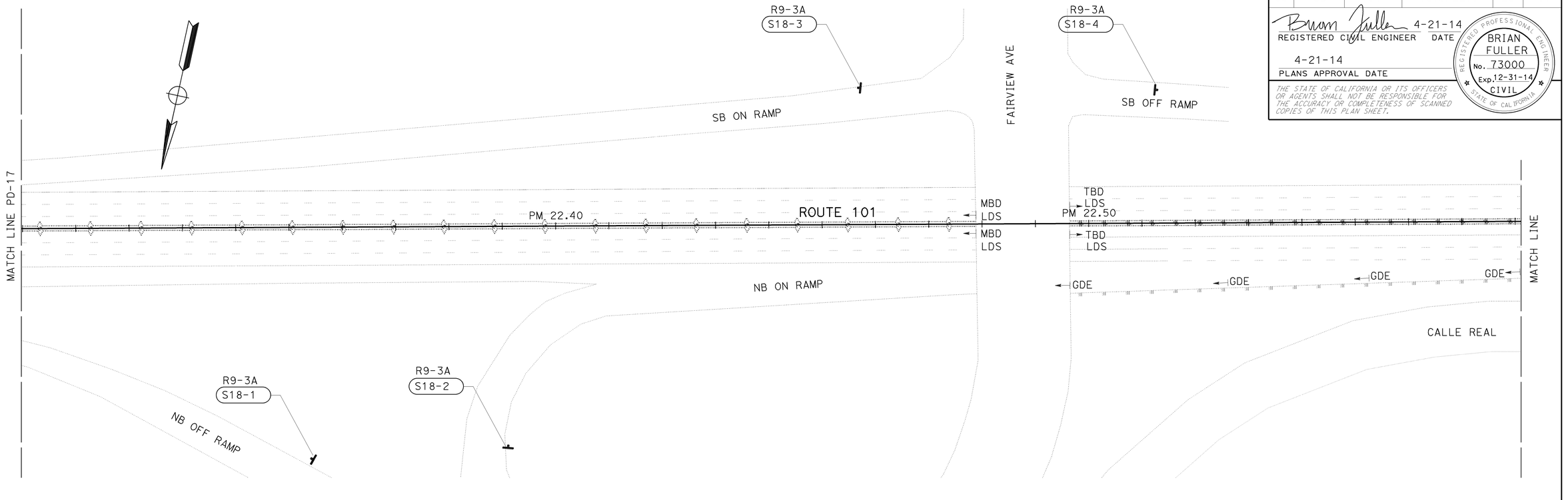
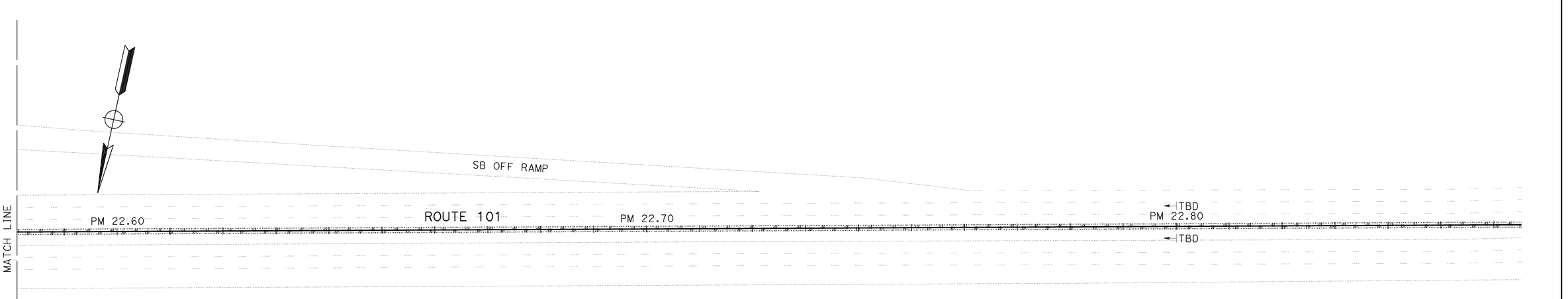
REGISTERED PROFESSIONAL ENGINEER
BRIAN FULLER
No. 73000
Exp. 12-31-14
CIVIL
STATE OF CALIFORNIA





APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

PAVEMENT DELINEATION AND SIGN PLAN

SCALE: 1" = 50'

PD-18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: STEVE WYATT
CALCULATED-DESIGNED BY: BRIAN FULLER
CHECKED BY: MIKE O'NEAL
REVISED BY
DATE REVISED

LAST REVISION — DATE PLOTTED => 30-APR-2014
TIME PLOTTED => 11:18
04-21-14

BORDER LAST REVISED 7/2/2010
USERNAME => s123239
DGN FILE => 0513000085na018.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1450
PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	24	81

Brian Fuller 4-21-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
BRIAN FULLER
No. 73000
Exp. 12-31-14
CIVIL
STATE OF CALIFORNIA

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.

PAVEMENT DELINEATION QUANTITIES

SHEET NUMBER	LOCATION	DIRECTION	GUARD RAILING DELINEATOR	REFLECTIVE BARRIER DELINEATION	
			TYPE F	MEDIAN BARRIER	THRIE BEAM
			EA	EA	EA
PD-1	PM 12.90-13.80	SB	3		
PD-1	PM 13.05-13.10	SB	3		
PD-1	PM 13.15-13.20	SB	3		
PD-1	PM 12.95-12.98	NB	3		
PD-1	PM 13.05-13.12	NB	6		
PD-1	PM 13.15-13.23	NB	3		
PD-1	PM 13.26-13.33	NB	3		
PD-1	PM 12.80-13.33	NB/SB		31	
PD-2	PM 13.48-13.50	SB	2		
PD-2	PM 13.33-13.46	NB	8		
PD-2	PM 13.69-13.75	NB	3		
PD-2	PM 13.78-13.85	NB	3		
PD-2	PM 13.33-13.85	NB/SB		29	
PD-3	PM 13.93-13.95	SB	2		
PD-3	PM 14.08-14.17	SB	5		
PD-3	PM 14.19-14.32	SB	7		
PD-3	PM 14.40-14.43	SB	2		
PD-3	PM 13.88-13.92	NB	2		
PD-3	PM 14.15-14.17	NB	3		
PD-3	PM 13.85-14.44	NB/SB		33	
PD-4	PM 14.44-14.55	SB	7		
PD-4	PM 14.76-14.85	SB	4		
PD-4	PM 14.93-14.97	SB	3		
PD-4	PM 14.53-14.57	NB	3		
PD-4	PM 14.67-14.73	NB	5		
PD-4	PM 14.86-14.93	NB	4		
PD-4	PM 14.44-14.97	NB/SB		30	
PD-5	PM 15.03-15.05	SB	2		
PD-5	PM 15.28-15.42	SB	5		
PD-5	PM 15.15-15.23	NB	3		
PD-5	PM 15.38-15.52	NB	3		
PD-5	PM 14.97-15.55	NB/SB		32	
PD-6	PM 15.73-15.78	SB	3		
PD-6	PM 15.83-15.86	SB	2		
PD-6	PM 16.00-16.02	SB	2		
PD-6	PM 15.67-15.70	NB	3		
PD-6	PM 15.83-15.89	NB	5		
PD-6	PM 16.01-16.08	NB	3		
PD-6	PM 15.55-15.92	NB/SB		21	
PD-6	PM 15.92-16.10	NB/SB			10
PD-7	PM 16.17-16.48	SB	10		
PD-7	PM 16.58-16.65	SB	3		
PD-7	PM 16.10-16.12	NB	2		
PD-7	PM 16.43-16.52	NB	3		
PD-7	PM 16.10-16.20	NB/SB			6
PD-7	PM 16.20-16.65	NB/SB		25	
PD-8	PM 16.65-17.23	SB	15		
PD-8	PM 17.00-17.23	NB	7		
PD-8	PM 16.65-17.18	NB/SB		30	
PD-8	PM 17.18-17.23	NB/SB			3
	SUBTOTAL		158	231	19

PAVEMENT DELINEATION QUANTITIES

SHEET NUMBER	LOCATION	DIRECTION	GUARD RAILING DELINEATOR	REFLECTIVE BARRIER DELINEATION	
			TYPE F	MEDIAN BARRIER DELINEATOR	THRIE BEAM DELINEATOR
			EA	EA	EA
PD-9	PM 17.23-17.53	SB	16		
PD-9	PM 17.76-17.80	SB	3		
PD-9	PM 17.23-17.38	NB/SB			9
PD-9	PM 17.38-17.81	NB/SB		24	
PD-10	PM 17.90-17.93	SB	3		
PD-10	PM 18.10-18.13	SB	2		
PD-10	PM 17.96-18.05	NB	4		
PD-10	PM 17.81-18.35	NB/SB		30	
PD-11	PM 18.90-18.92	SB	1		
PD-11	PM 18.44-18.77	NB	18		
PD-11	PM 18.90-18.92	NB	1		
PD-11	PM 18.35-18.86	NB/SB		29	
PD-11	PM 18.86-18.92	NB/SB			4
PD-12	PM 18.92-18.96	SB	3		
PD-12	PM 19.35-19.47	SB	4		
PD-12	PM 18.92-18.97	NB	3		
PD-12	PM 19.05-19.48	NB/SB		24	
PD-13	PM 19.48-19.83	SB	11		
PD-13	PM 19.59-19.71	NB	5		
PD-13	PM 19.48-20.02	NB/SB		30	
PD-14	PM 20.28-20.58	SB	10		
PD-14	PM 20.48-20.58	NB	4		
PD-14	PM 20.02-20.58	NB/SB		31	
PD-15	PM 20.58-20.82	SB	7		
PD-15	PM 20.89-21.00	SB	3		
PD-15	PM 20.60-20.61	NB	1		
PD-15	PM 20.77-20.90	NB	5		
PD-15	PM 20.58-21.15	NB/SB		32	
PD-16	PM 21.38-21.41	SB	2		
PD-16	PM 21.55-21.72	SB	5		
PD-16	PM 21.32-21.34	NB	2		
PD-16	PM 21.55-21.56	NB	2		
PD-16	PM 21.15-21.72	NB/SB		32	
PD-17	PM 21.72-21.92	SB	5		
PD-17	PM 21.87-22.10	NB	8		
PD-17	PM 21.72-22.30	NB/SB		32	
PD-18	PM 22.50-22.58	NB	4		
PD-18	PM 22.50-22.80	NB/SB			17
	SUBTOTAL		132	281	30
	SUBTOTAL		158	231	19
	TOTAL		290	561	

APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

PAVEMENT DELINEATION QUANTITIES

PDQ-1

REVISED BY | DATE REVISED
BRIAN FULLER | MIKE O'NEAL
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: STEVE WYATT
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

LAST REVISION: DATE PLOTTED => 30-APR-2014 | 04-21-14 TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010
USERNAME => s123239
DGN FILE => 0513000085nc001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1450
PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	25	81

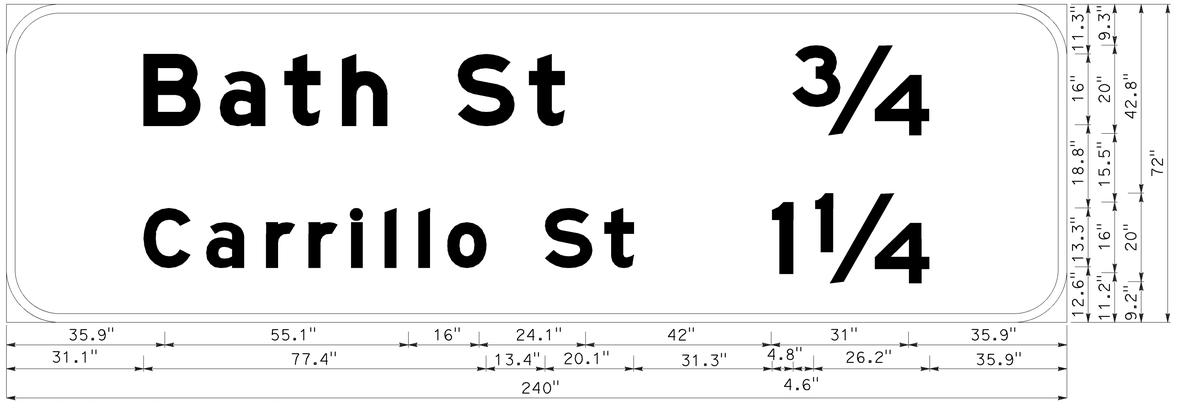
1-30-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

FAWZI YAGHMOUR No. C-54750 Exp 12/31/15 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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.

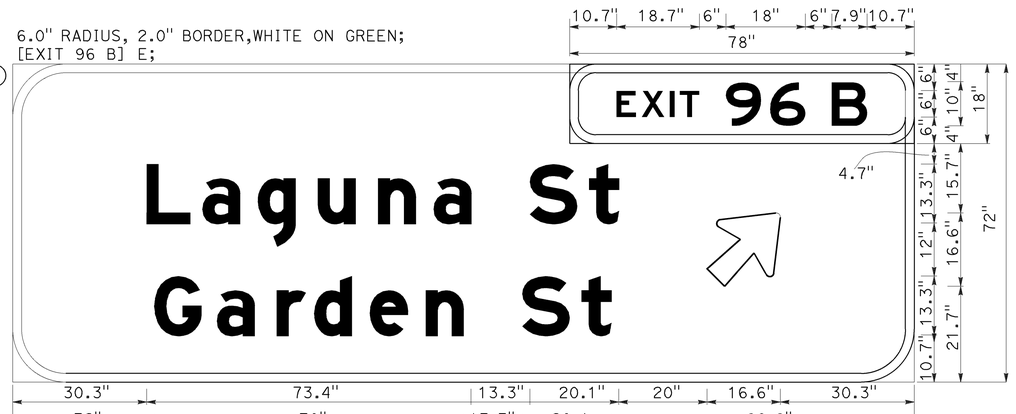
② FNBT PM13.1



G23-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[BATH ST] E MOD; [6/64] E MOD; [CARRILLO ST] E MOD; [1 57/64] E MOD;

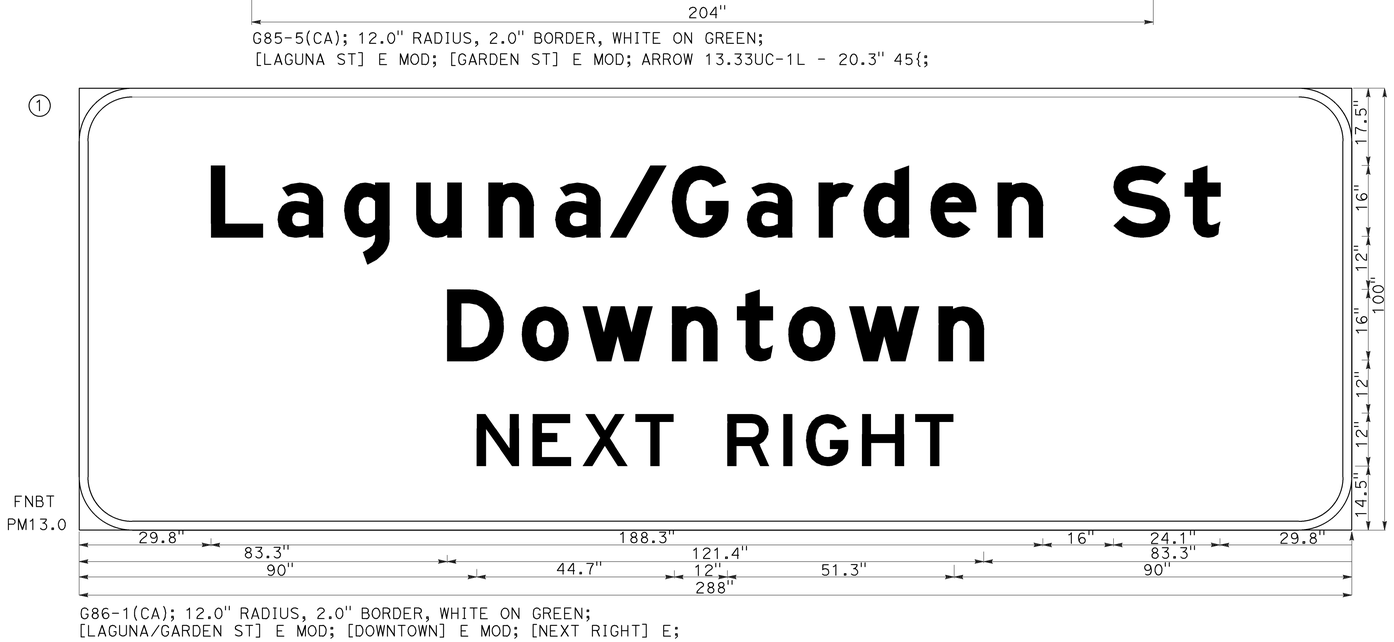
6.0" RADIUS, 2.0" BORDER,WHITE ON GREEN;
[EXIT 96 B] E;

③ FNBT PM13.1



G85-5(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[LAGUNA ST] E MOD; [GARDEN ST] E MOD; ARROW 13.33UC-1L - 20.3" 45{;

① FNBT PM13.0



G86-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[LAGUNA/GARDEN ST] E MOD; [DOWNTOWN] E MOD; [NEXT RIGHT] E;

APPROVED FOR SIGN WORK ONLY

SIGN DETAILS

SD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 05-TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
CALCULATED-DESIGNED BY
CHECKED BY: FAWZI YAGHMOUR
DAVID BLACK
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 30-APR-2014
TIME PLOTTED => 11:18
04-21-14

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	26	81

1-30-14
REGISTERED CIVIL ENGINEER DATE

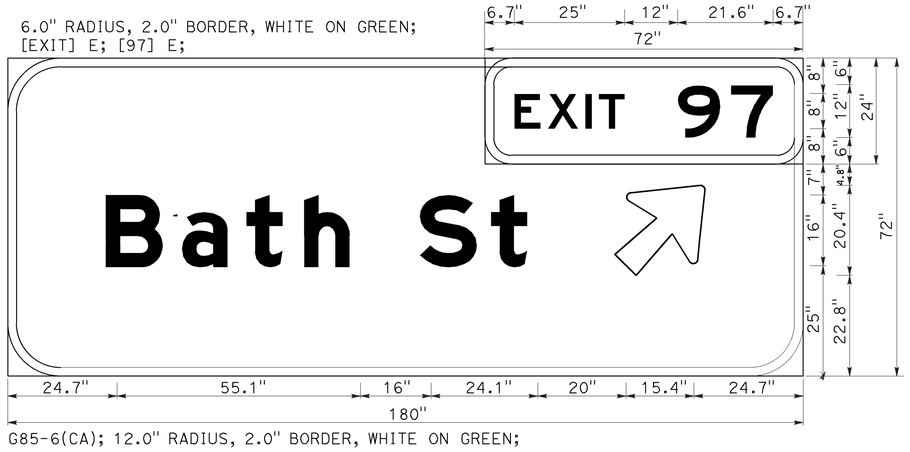
4-21-14
PLANS APPROVAL DATE

FAWZI YAGHMOUR No. C-54750 Exp 12/31/15 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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.

6.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[EXIT] E; [97] E;

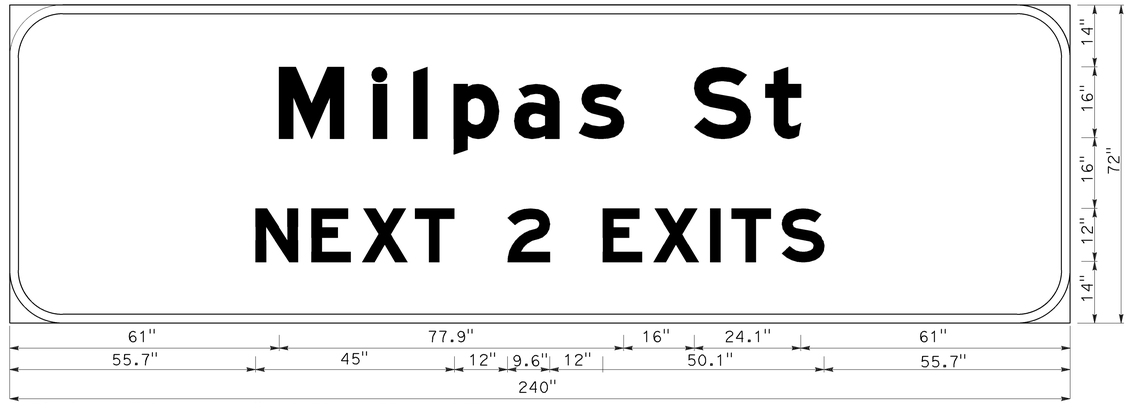
⑨



FNBT
PM13.9

G85-6(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;

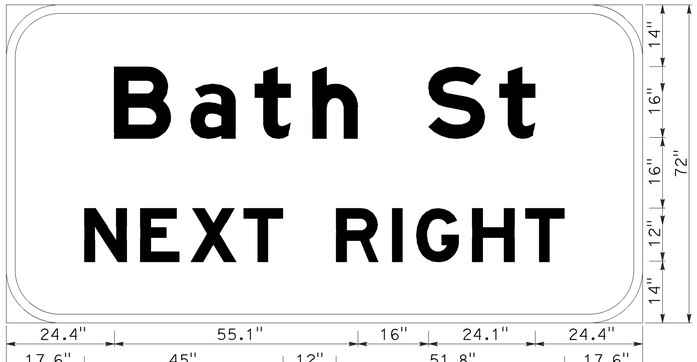
④



FSBT
PM13.7

G87(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[MILPAS ST] E MOD; [NEXT 2 EXITS] E MOD;

⑥



FNBT
PM13.8

G86-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[BATH ST] E MOD; [NEXT RIGHT] E MOD;

6.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[EXIT] E; [96 B] E;

⑤

FSBT
PM13.7

G85-6(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[GARDEN ST] E MOD; ARROW 13.33UC-1L - 20.3" 45{;

SIGN DETAILS

SD-2

APPROVED FOR SIGN WORK ONLY

DAVID BLACK — CALCULATED-DESIGNED BY
FAWZI YAGHMOUR — CHECKED BY
MOHAMMED QATAMI — FUNCTIONAL SUPERVISOR
REVISED BY — DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
05-TRAFFIC DESIGN
Caltrans

LAST REVISION 04-21-14
DATE PLOTTED => 30-APR-2014
TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010
USERNAME => s123239
DGN FILE => 05130000085ob002_.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	27	81

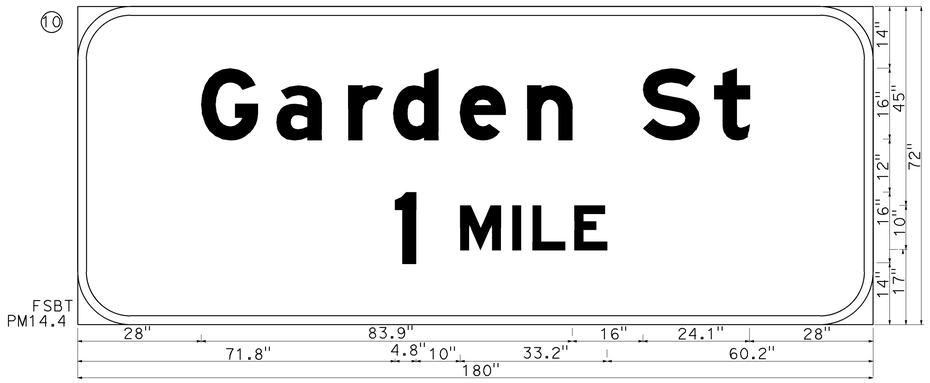
1-30-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

FAWZI YAGHMOUR No. C-54750 Exp. 12/31/15 CIVIL
REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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.

⑩



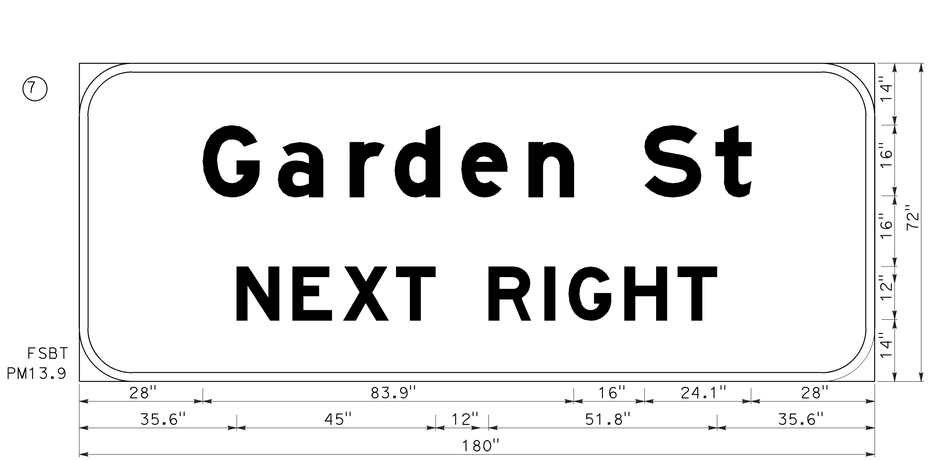
G83-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[GARDEN ST] E MOD; [1 MILE] E MOD;

6.0" Radius, 2.0" Border, White on Green;
[EXIT 97] E;

⑪

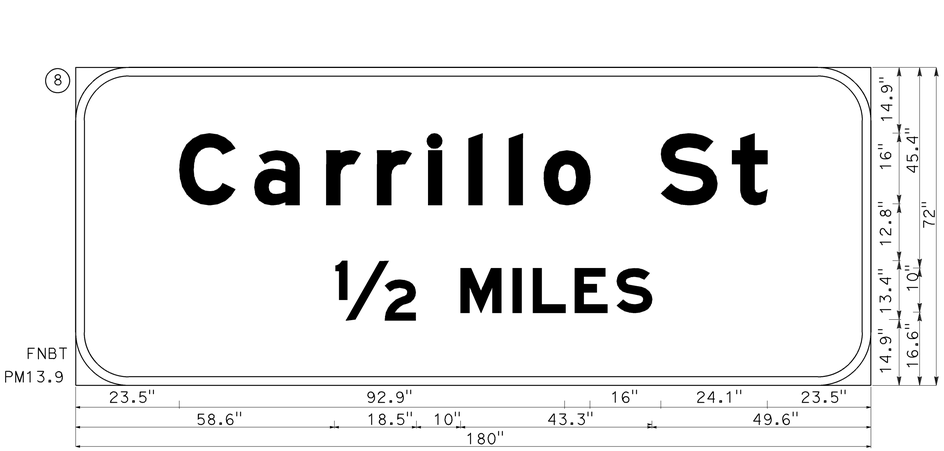
G85-5(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[CASTILLO ST] E MOD; [HORBER] E MOD; ARROW 16CAP-1L - 25.0" 45{;

⑦



G86-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[GARDEN ST] E MOD; [NEXT RIGHT] E MOD;

⑧



G83-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[CARRILLO ST] E MOD; [5/64 MILES] E MOD;

SIGN DETAILS

SD-3

APPROVED FOR SIGN WORK ONLY

REVISED BY | DATE REVISED
DAVID BLACK | FAWZI YAGHMOUR
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 05-TRAFFIC DESIGN

LAST REVISION | DATE PLOTTED => 30-APR-2014
04-21-14 | TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010 | USERNAME => s123239 | DGN FILE => 0513000085ob003_.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1512 | PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	28	81

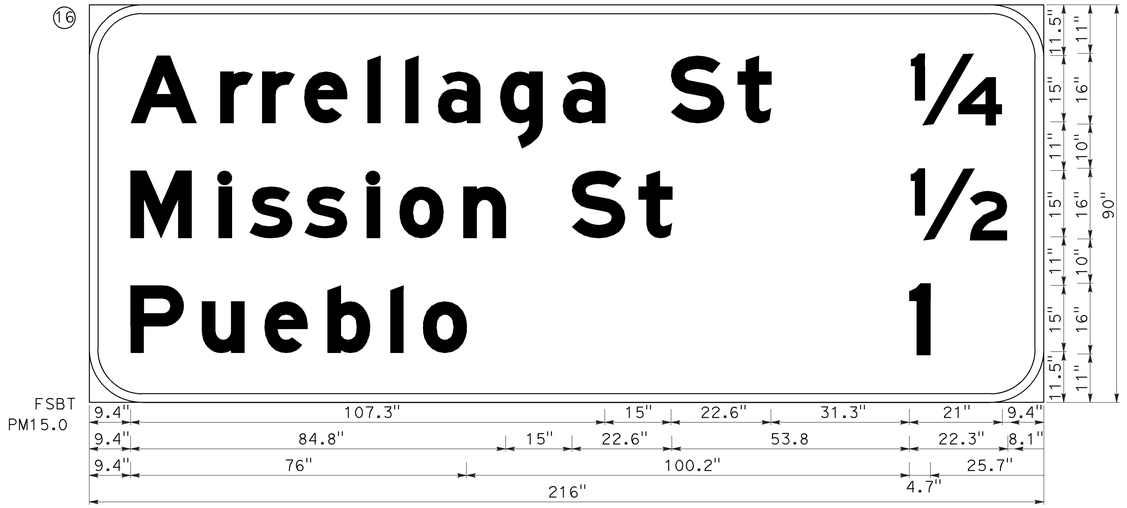
REGISTERED CIVIL ENGINEER — 1-30-14 DATE

PLANS APPROVAL DATE — 4-21-14

FAWZI YAGHMOUR No. C-54750 Exp. 12/31/15 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

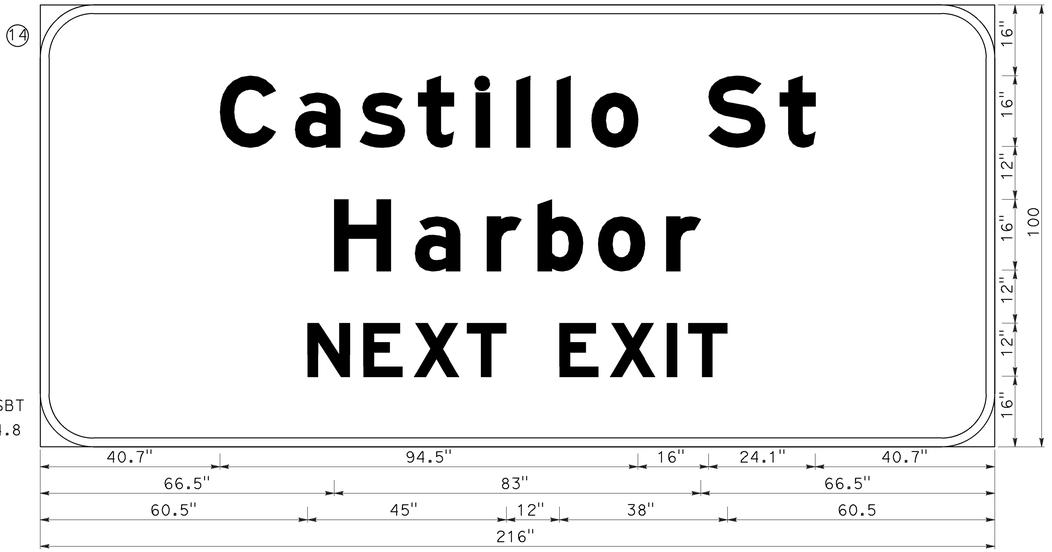
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

(16)



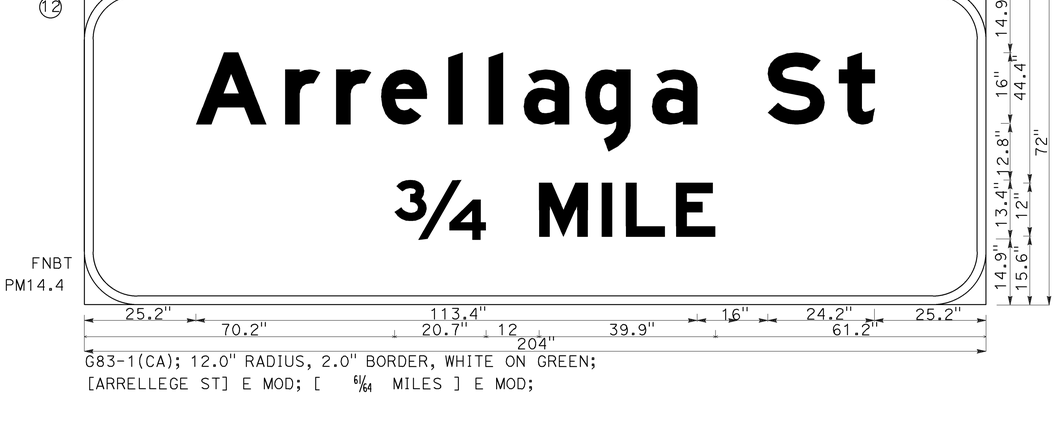
G23-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[ARRELLAGA ST] E MOD; [5/64] E MOD; [MISSION ST] E MOD; [5/64] E MOD; [PUEBLO] E MOD; [1] E MOD;

(14)



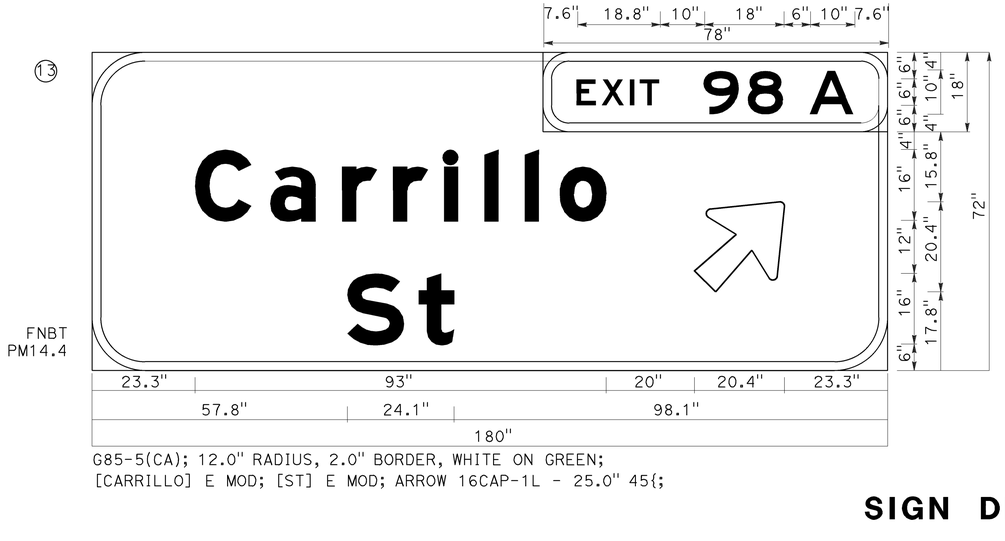
G86-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[CASTILLO ST] E MOD; [HARBOR] E MOD; [NEXT EXIT] E MOD;

(12)



G83-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[ARRELLEGE ST] E MOD; [6/64 MILES] E MOD;

(13)



G85-5(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[CARRILLO] E MOD; [ST] E MOD; ARROW 16CAP-1L - 25.0" 45{;

SIGN DETAILS

SD-4

APPROVED FOR SIGN WORK ONLY

DAVID BLACK — CALCULATED-DESIGNED BY
FAWZI YAGHMOUR — CHECKED BY
REVISED BY — DATE REVISED
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 05-TRAFFIC DESIGN

LAST REVISION | DATE PLOTTED => 30-APR-2014 | TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010
USERNAME => s123239
DGN FILE => 0513000085ob004_.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	29	81

1-30-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

FAWZI YAGHMOUR No. C-54750 Exp. 12/31/15 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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.

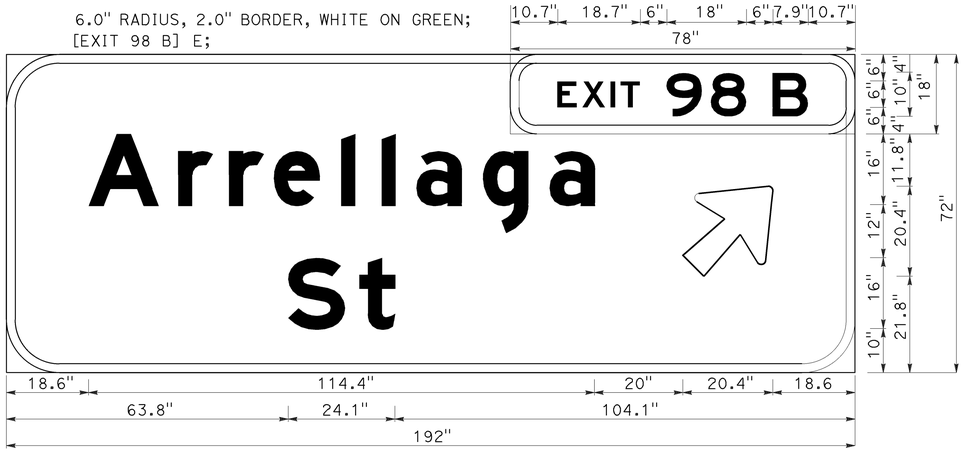
17

FNBT
PM15.2

G83-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[MISSION ST] E MOD; [5/64 MILES] E MOD;

6.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[EXIT 98 B] E;

18



FNBT
PM15.2

G85-5(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[ARRELLAGA] E MOD; [ST] E MOD; ARROW 16CAP-1L - 25.0" 45{;

6.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[EXIT 98 A] E;

15

FSBT
PM15.1

G85-5(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[CARILLO ST] E MOD; [DOWNTOWN] E MOD; ARROW 13.33UC-1L - 20.3" 45{;

SIGN DETAILS

SD-5

APPROVED FOR SIGN WORK ONLY

DAVID BLACK — CALCULATED-DESIGNED BY
FAWZI YAGHMOUR — CHECKED BY
REVISED BY — DATE REVISED

FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
05-TRAFFIC DESIGN

LAST REVISION => DATE PLOTTED => 04-21-14 TIME PLOTTED =>

BORDER LAST REVISED 7/2/2010 | USERNAME => s123239 | DGN FILE => 0513000085ob005_.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1512 | PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	30	81

1-30-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
FAWZI YAGHMOUR
No. C-54750
Exp 12/31/15
CIVIL
STATE OF CALIFORNIA

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.

19

FSBT
PM15.3

G83-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[CARRILLO ST] E MOD; [DOWNTOWN] E MOD; [5/64] E MOD; [CASTILLO ST 6/64] E MOD;

SIGN DETAILS

SD-6

APPROVED FOR SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 05-TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
CHECKED BY: FAWZI YAGHMOUR
CALCULATED-DESIGNED BY: DAVID BLACK
REVISED BY / DATE REVISED

LAST REVISION 04-21-14
DATE PLOTTED => 30-APR-2014
TIME PLOTTED => 11:18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	31	81

1-30-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

FAWZI YAGHMOUR No. C-54750 Exp. 12/31/15 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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.

(25)

FSBT
PM15.8

G83-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[CARRILLO ST] E MOD; [61/64 MILE] E MOD;

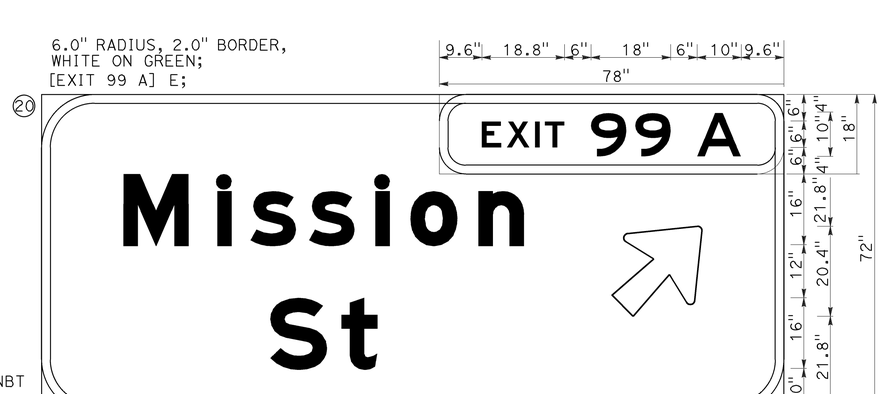
(21)

FNBT
PM15.7

G23-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[PUEBLO ST] E MOD; [1/4] E MOD; [LAS POSITAS RD] E MOD; [1/2] E MOD; [LA CUMBRE/HOPE] E MOD; [1 1/2] E MOD;

6.0" RADIUS, 2.0" BORDER,
WHITE ON GREEN;
[EXIT 99 A] E;

(20)



FNBT
PM15.6

G85-5(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[MISSION] E MOD; [ST] E MOD; ARROW 16CAP-1L - 25.0" 45{;

SIGN DETAILS

SD-7

APPROVED FOR SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
05-TRAFFIC DESIGN
Caltrans
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
CALCULATED-DESIGNED BY: DAVID BLACK
CHECKED BY: FAWZI YAGHMOUR
REVISED BY
DATE REVISED

LAST REVISION 04-21-14
DATE PLOTTED => 30-APR-2014
TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010
USERNAME => s123239
DGN FILE => 0513000085ob007.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	32	81

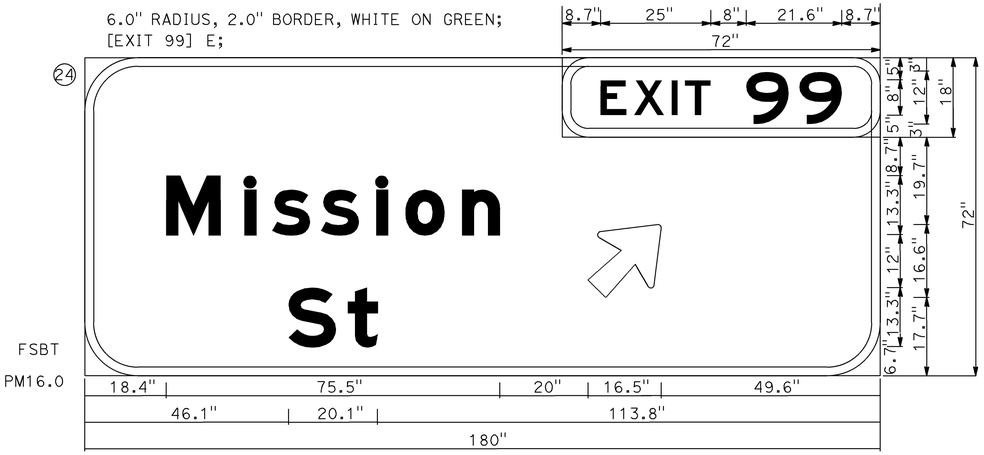
1-30-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

FAWZI YAGHMOUR No. C-54750 Exp 12/31/15 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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.

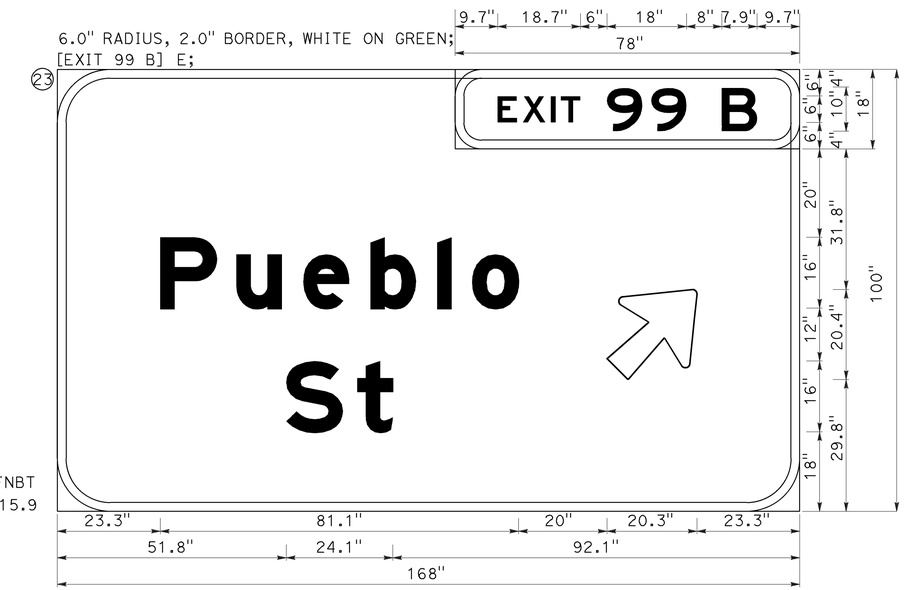
24



6.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[EXIT 99] E;

G85-5(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[MISSION] E MOD; [ST] E MOD; ARROW 12CAP-1L - 20.3" 45{;

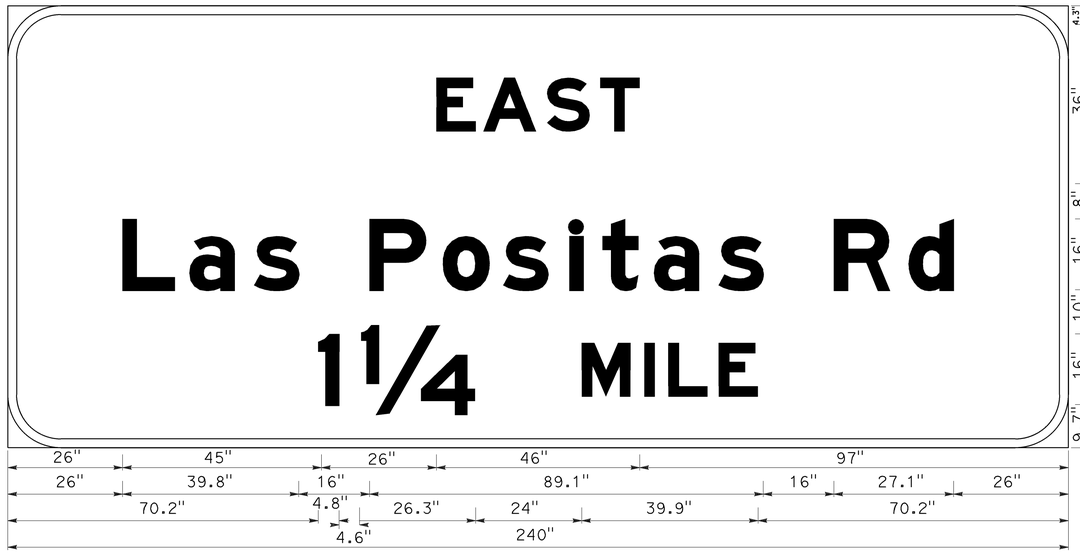
23



6.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[EXIT 99 B] E;

G85-5(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[PUEBLO] E MOD; [ST] E MOD; ARROW 16CAP-1L - 25.0" 45{;

22



G24-5(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[EAST] E MOD; [LAS POSITAS RD] E MOD; [1 51/64] E MOD; [MILE] E MOD;

SIGN DETAILS

SD-8

APPROVED FOR SIGN WORK ONLY

REVISED BY	DATE REVISED
DAVID BLACK	FAWZI YAGHMOUR

CALCULATED-DESIGNED BY
CHECKED BY

FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 05-TRAFFIC DESIGN

LAST REVISION: DATE PLOTTED => 30-APR-2014 TIME PLOTTED => 11:18
04-21-14

BORDER LAST REVISED 7/2/2010

USERNAME => s123239
DGN FILE => 0513000085ob008_.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1512

PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	33	81

1-30-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
FAWZI YAGHMOUR
No. C-54750
Exp 12/31/15
CIVIL
STATE OF CALIFORNIA

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.

(26)

La Cumbre Rd
Hope Ave
1 1/4

FNBT
PM16.2

G83-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[LAS CUMBRE RD] E MOD; [HOPE AVE] E MOD; [1 5/64] E MOD;

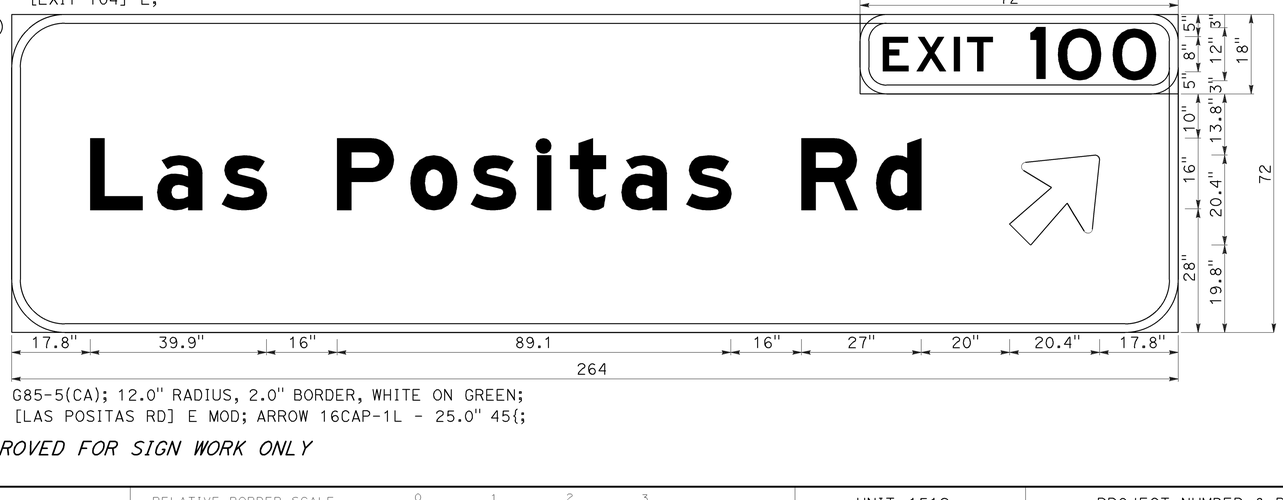
6.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[EXIT 104] E;

(27)

EXIT 100

Las Positas Rd

FNBT
PM16.2



G85-5(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[LAS POSITAS RD] E MOD; ARROW 16CAP-1L - 25.0" 45{;

APPROVED FOR SIGN WORK ONLY

SIGN DETAILS

SD-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
05-TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
CALCULATED-DESIGNED BY: DAVID BLACK
CHECKED BY: FAWZI YAGHMOUR
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 30-APR-2014
TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010
USERNAME => s123239
DGN FILE => 05130000085ob009_.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	34	81

1-30-14
REGISTERED CIVIL ENGINEER DATE

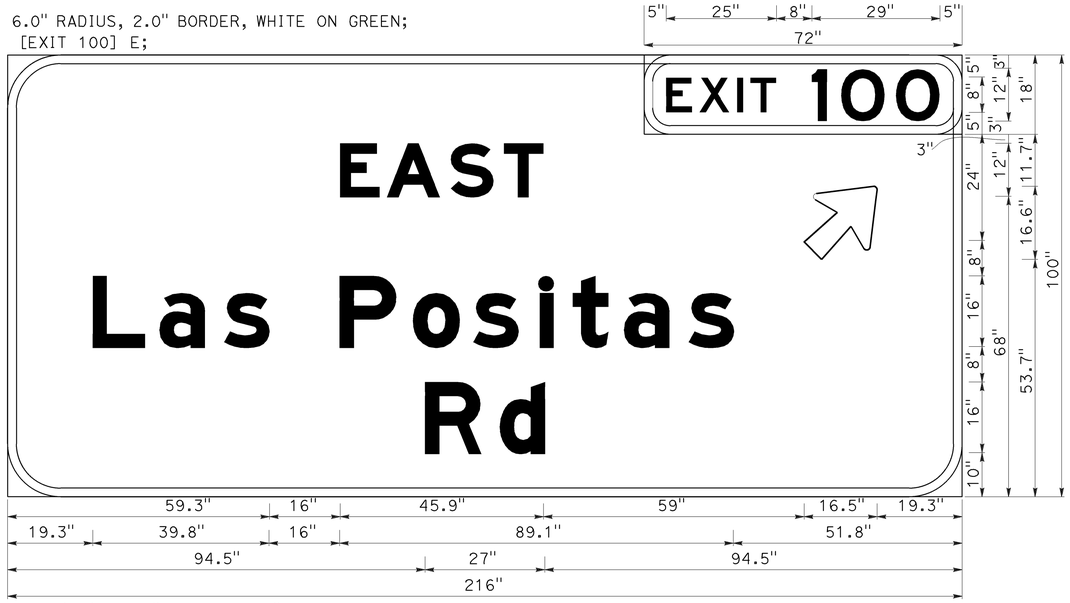
4-21-14
PLANS APPROVAL DATE

FAWZI YAGHMOUR No. C-54750 Exp. 12/31/15 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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.

(32)

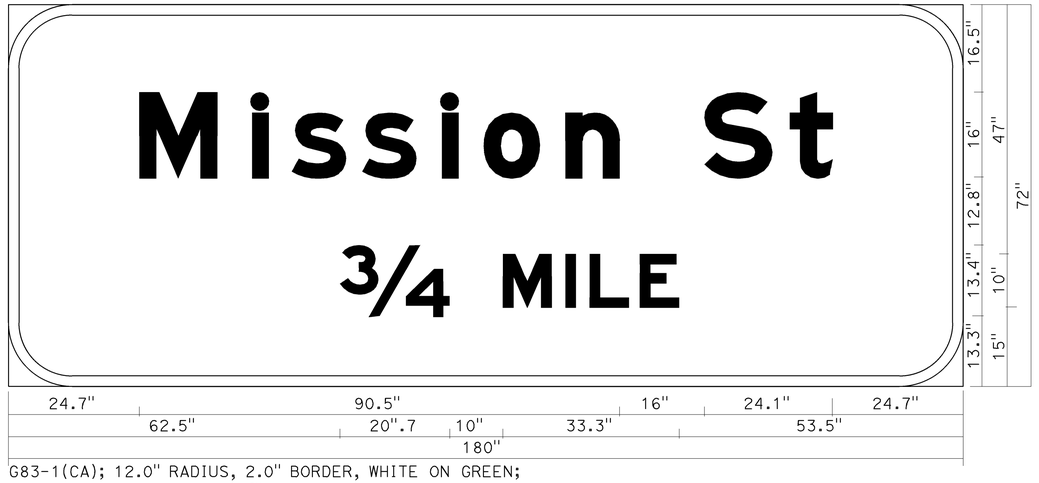
6.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[EXIT 100] E;



FSBT
PM16.8

G24-5(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[EAST] E MOD; [LAS POSITAS] E MOD; ARROW 12CAP-1L - 20.3" 45{; [RD] E MOD;

(29)



G83-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[MISSION ST] E MOD; [6/64 MILE] E MOD;

(28)

FSBT
PM16.2

G23-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[MISSION ST] E MOD; [5/64] E MOD; [CARRILLO ST] E MOD; [1 5/64] E MOD; [CASTILLO ST] E MOD; [2] E MOD;

APPROVED FOR SIGN WORK ONLY

SIGN DETAILS

SD-10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 05-TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
CALCULATED-DESIGNED BY: DAVID BLACK
CHECKED BY: FAWZI YAGHMOUR
REVISED BY / DATE REVISED:

LAST REVISION DATE PLOTTED => 30-APR-2014
TIME PLOTTED => 11:18
04-21-14

BORDER LAST REVISED 7/2/2010
USERNAME => s123239
DGN FILE => 0513000085ob010.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	35	81

1-30-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

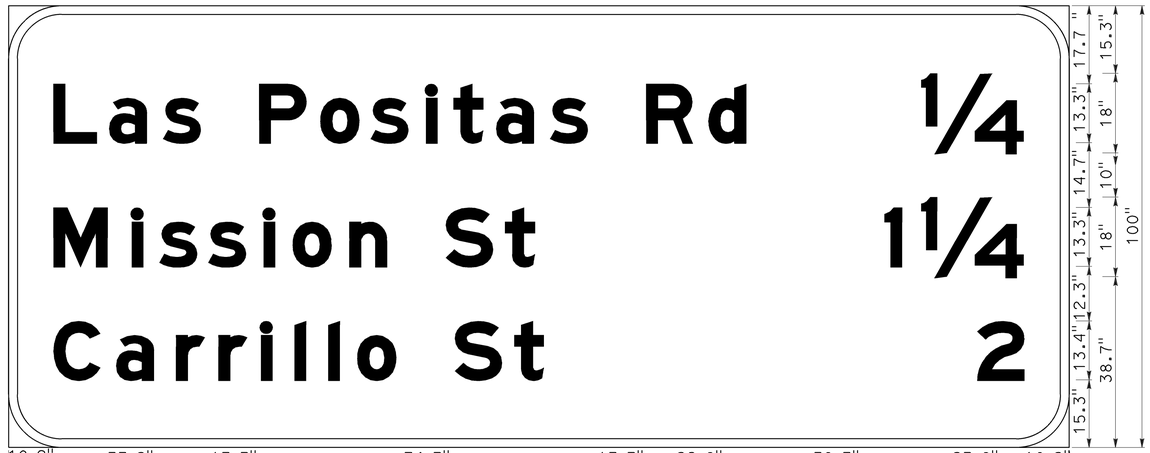
FAWZI YAGHMOUR No. C-54750 Exp 12/31/15 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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.

(31)

G83-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[LA CUMBRE RD] E MOD; [HOPE AVE] E MOD; [57/64] E MOD; [STATE ST] E MOD; [61/64] E MOD;

(30)



G23-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[LAS POSITAS RD] E MOD; [57/64] E MOD; [MISSION ST] E MOD; [1 57/64] E MOD; [CARRILLO ST] E MOD; [2] E MOD;

APPROVED FOR SIGN WORK ONLY

SIGN DETAILS

SD-11

DAVID BLACK — CALCULATED-DESIGNED BY
FAWZI YAGHMOUR — CHECKED BY
REVISED BY — DATE REVISED
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
05-TRAFFIC DESIGN
Caltrans

LAST REVISION — DATE PLOTTED => 30-APR-2014
04-21-14 — TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010
USERNAME => s123239
DGN FILE => 05130000085ob011_.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	36	81

1-30-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
FAWZI YAGHMOUR
No. C-54750
Exp. 12/31/15
CIVIL
STATE OF CALIFORNIA

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.

REVISED BY | DATE REVISED

DAVID BLACK | FAWZI YAGHMOUR

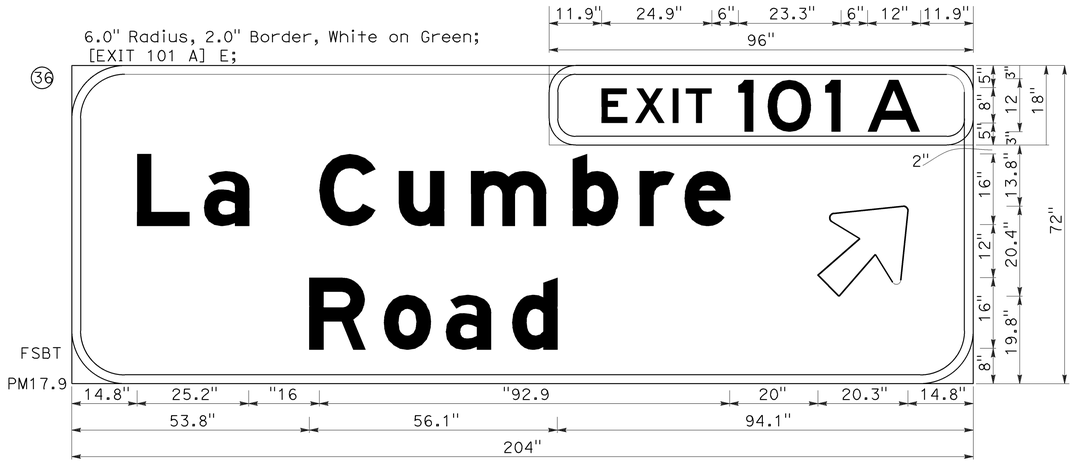
CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 05-TRAFFIC DESIGN

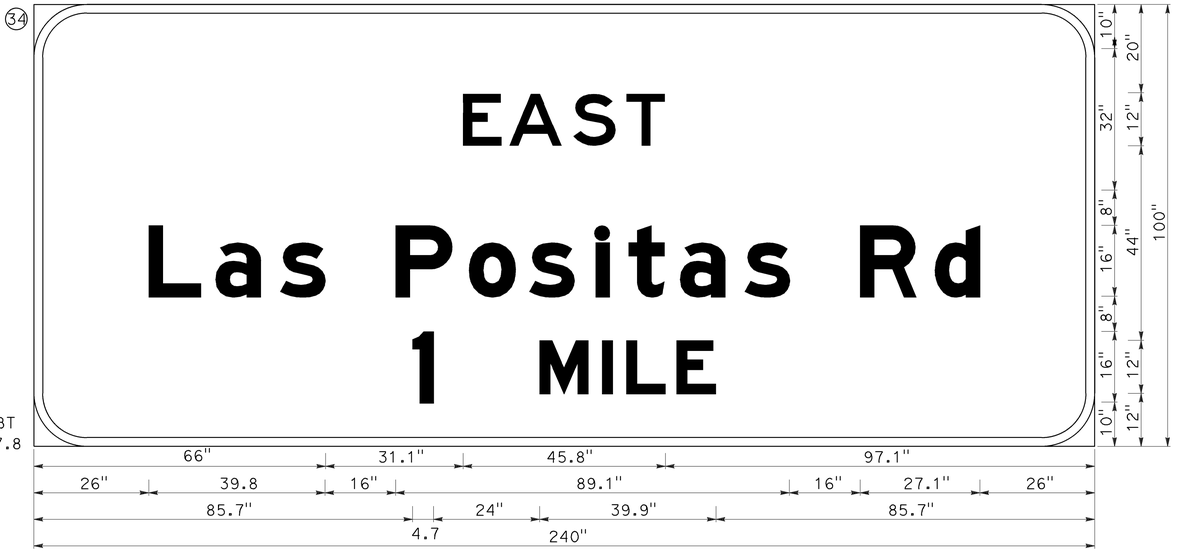
6.0" Radius, 2.0" Border, White on Green;
[EXIT 101 A] E;

36



G85-5(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[LA CUMBRE] E MOD; [ROAD] E MOD; ARROW 16CAP-1L - 25.0" 45{;

34



G24-5(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[EAST] E; [LAS POSITAS RD] E MOD; [1] E MOD; [MILE] E MOD;

6.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[EXIT 101 B] E;

37

G85-6(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[STATE ST] E MOD; STANDARD ARROW CUSTOM 21.8" X 13.3" 45{; [CASHUMA LAKE] E MOD;

6.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[EXIT 101 A] E;

33

G85-5(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[LA CUMBRE RD] E MOD; [HOPE AVENUE] E MOD; ARROW 13.33UC-1L - 20.3" 45{;

SIGN DETAILS

SD-12

APPROVED FOR SIGN WORK ONLY

LAST REVISION | DATE PLOTTED => 30-APR-2014
04-21-14 | TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010

USERNAME => s123239
DGN FILE => 0513000085ob012_.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1512

PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	37	81

REGISTERED CIVIL ENGINEER — 1-30-14 DATE

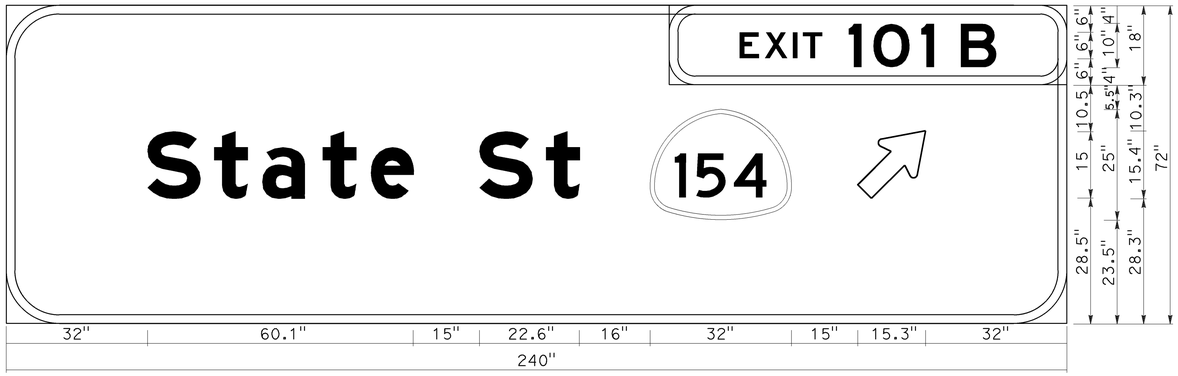
4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — FAWZI YAGHMOUR — No. C-54750 — Exp. 12/31/15 — CIVIL — STATE OF CALIFORNIA

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.

(39)

6.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[EXIT 101 B] E;

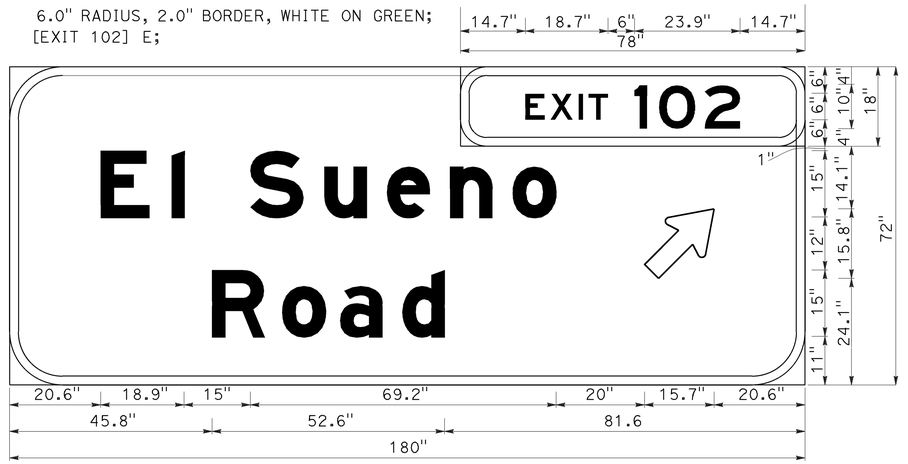


FNBT
PM18.9

G85-6(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[STATE ST] E MOD; STANDARD ARROW CUSTOM 19.5" X 11.8" 45{;

(38)

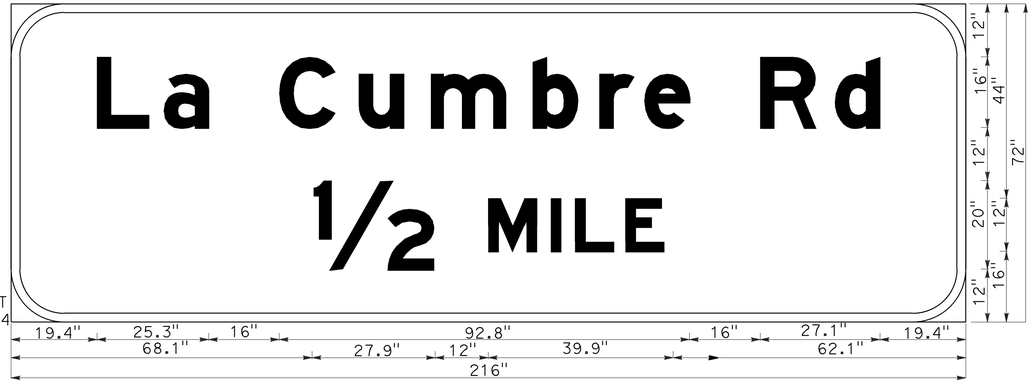
6.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[EXIT 102] E;



FNBT
PM18.7

G85-5(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[EL SUENO] E MOD; [ROAD] E MOD; STANDARD ARROW CUSTOM 20.0" X 12.1" 45{;

(35)



FSBT
PM18.4

G83-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[LA CUMBRE RD] E MOD; [59/64 MILES] E MOD;

APPROVED FOR SIGN WORK ONLY

SIGN DETAILS

SD-13

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 05-TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
CALCULATED-DESIGNED BY: DAVID BLACK
CHECKED BY: FAWZI YAGHMOUR
REVISED BY
DATE REVISED

LAST REVISION: DATE PLOTTED => 30-APR-2014
04-21-14 TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010
USERNAME => s123239
DGN FILE => 05130000085ob013_.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	38	81

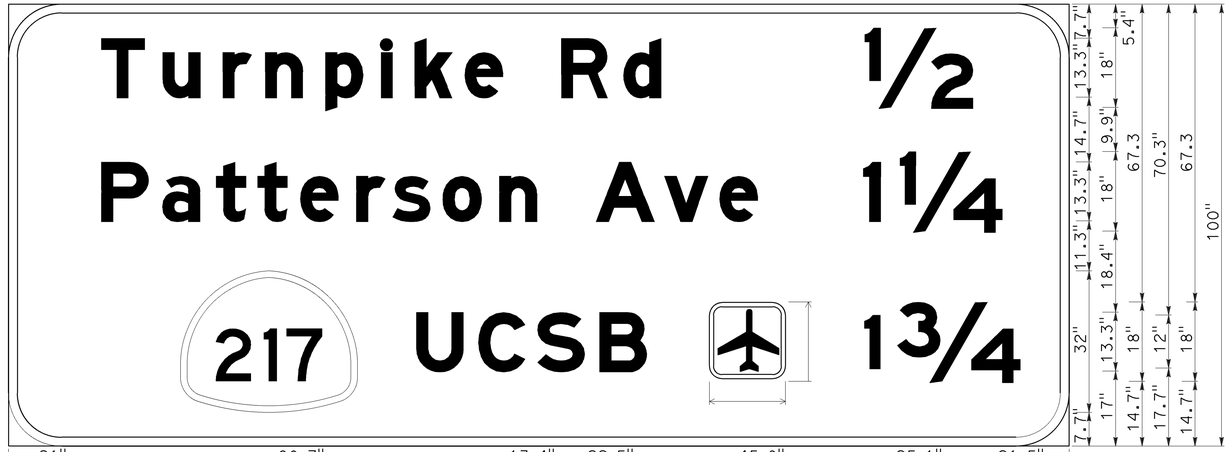
1-30-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
FAWZI YAGHMOUR
No. C-54750
Exp. 12/31/15
CIVIL
STATE OF CALIFORNIA

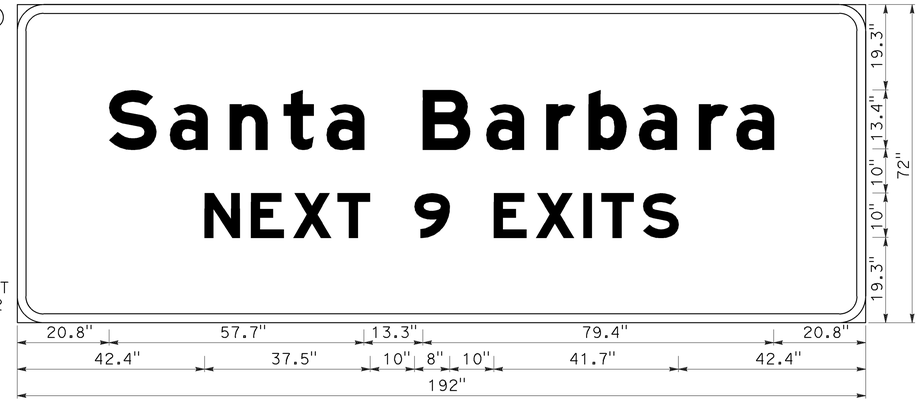
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

(43)



G23-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[TURNPIKE RD] E MOD; [1/2] E MOD; [PATTERSON AVE] E MOD; [1 1/4] E MOD; [UCSB] E MOD; [1 3/4] E MOD;

(41)



G87(CA); 6.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[SANTA BARBARA] E MOD; [NEXT 9 EXITS] E MOD;

(40)

G83-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[TURNPIKE RD] E MOD; [6/64 MILES] E MOD;

APPROVED FOR SIGN WORK ONLY

SIGN DETAILS

SD-14

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 05-TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
CALCULATED-DESIGNED BY: DAVID BLACK
CHECKED BY: FAWZI YAGHMOUR
REVISED BY
DATE REVISED

LAST REVISION | DATE PLOTTED => 30-APR-2014
04-21-14 | TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010
USERNAME => s123239
DGN FILE => 0513000085ob014_.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	39	81

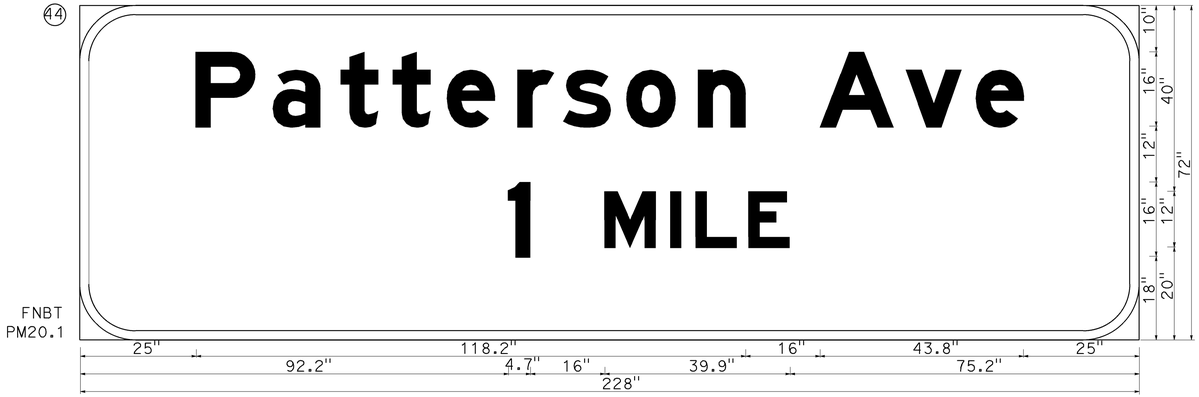
1-30-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
FAWZI YAGHMOUR
No. C-54750
Exp. 12/31/15
CIVIL
STATE OF CALIFORNIA

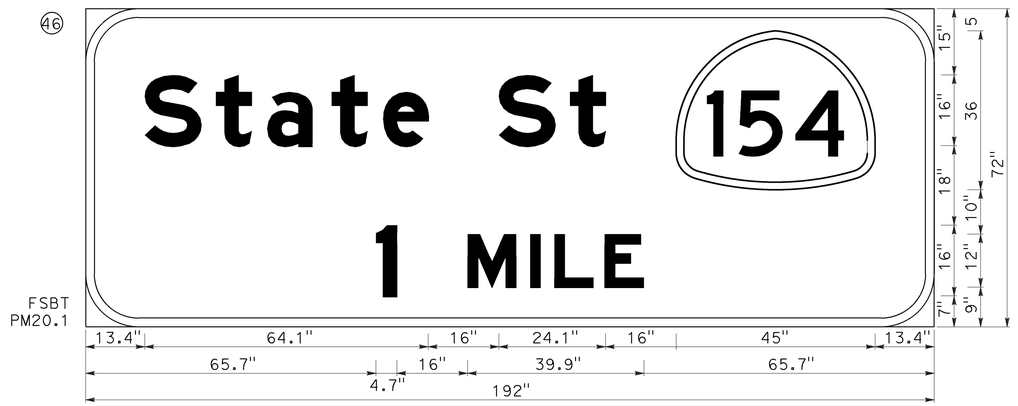
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

(44)



G83-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[PATTERSON AVE] E MOD; [1 MILE] E MOD;

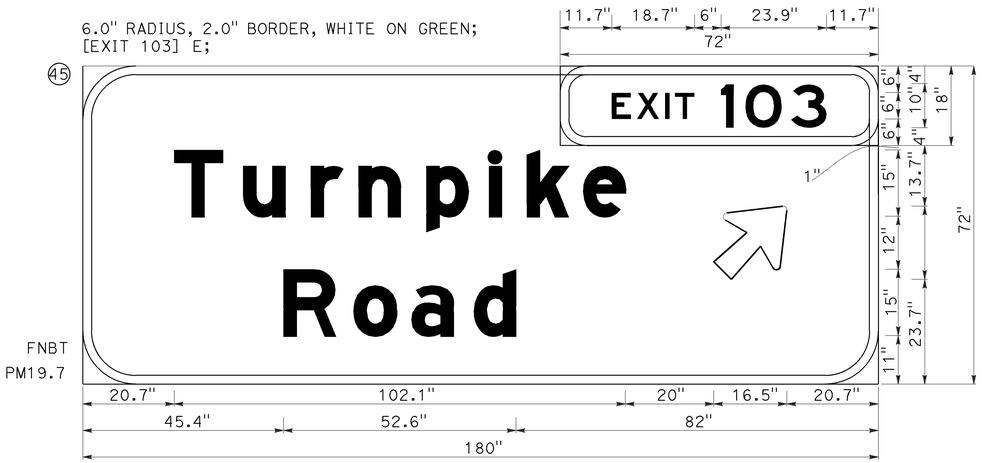
(46)



G24-5(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[STATE ST] E MOD; [1 MILE] E MOD; [ ] E MOD; [ ] E MOD;

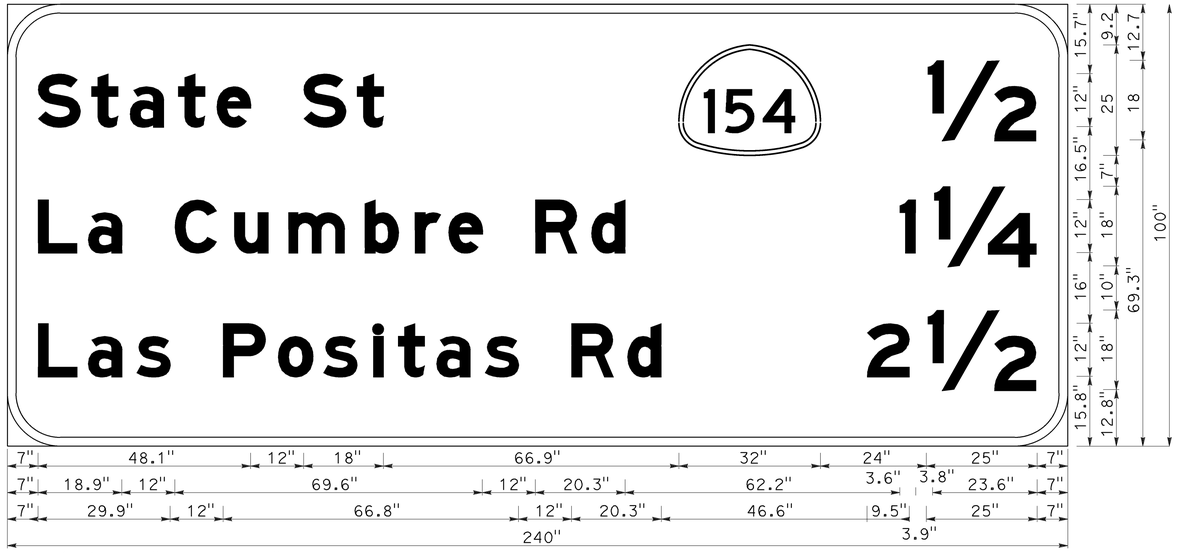
6.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[EXIT 103] E;

(45)



G85-5(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[TURNPIKE] E MOD; [ROAD] E MOD; ARROW 13.33UC-1L - 20.3" 45{;

(42)



G23-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[STATE ST] E MOD; [59/64] E MOD; [LA CUMBRE RD] E MOD; [1 57/64] E MOD; [LAS POSITAS RD] E MOD; [2 59/64] E MOD;

SIGN DETAILS

SD-15

APPROVED FOR SIGN WORK ONLY

REVISED BY | DATE REVISED
DAVID BLACK | FAWZI YAGHMOUR
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 05-TRAFFIC DESIGN

LAST REVISION 04-21-14
DATE PLOTTED => 30-APR-2014
TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010
USERNAME => s123239
DGN FILE => 05130000085ob015_.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	40	81

1-30-14
REGISTERED CIVIL ENGINEER DATE

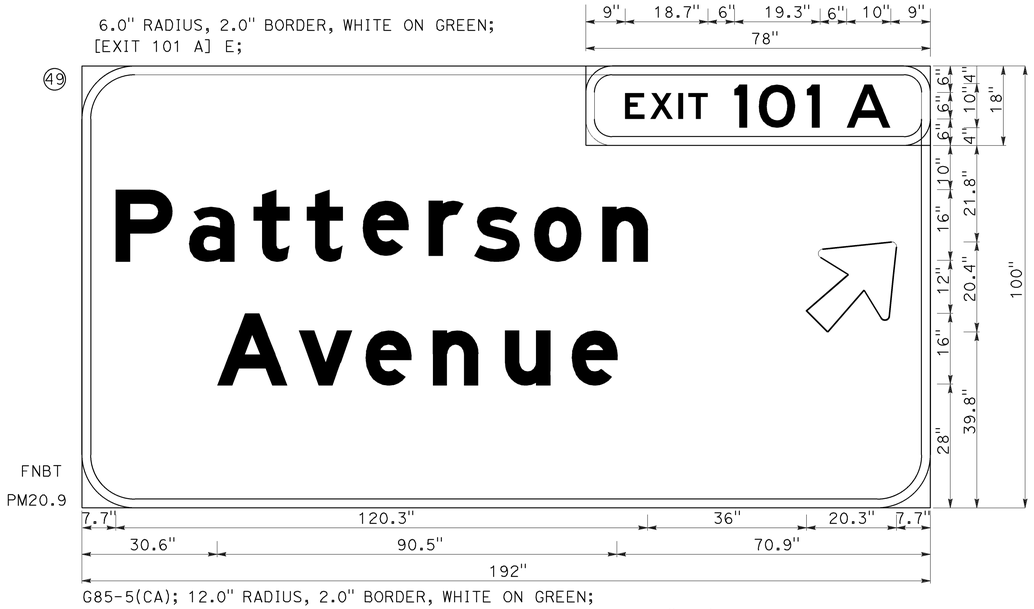
4-21-14
PLANS APPROVAL DATE

FAWZI YAGHMOUR No. C-54750 Exp. 12/31/15 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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.

(49)

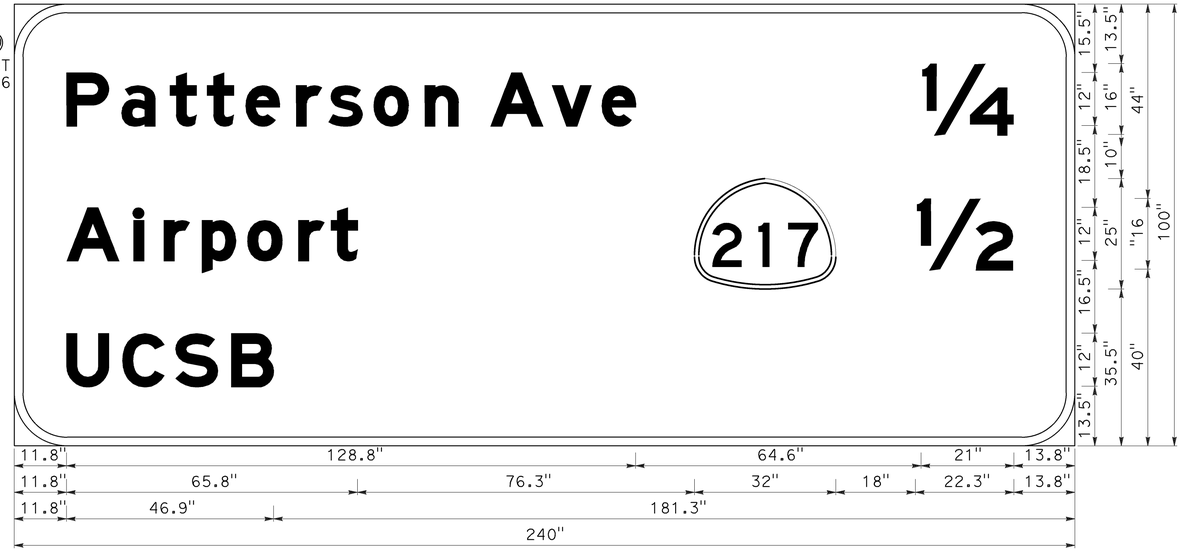
6.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[EXIT 101 A] E;



FNBT
PM20.9

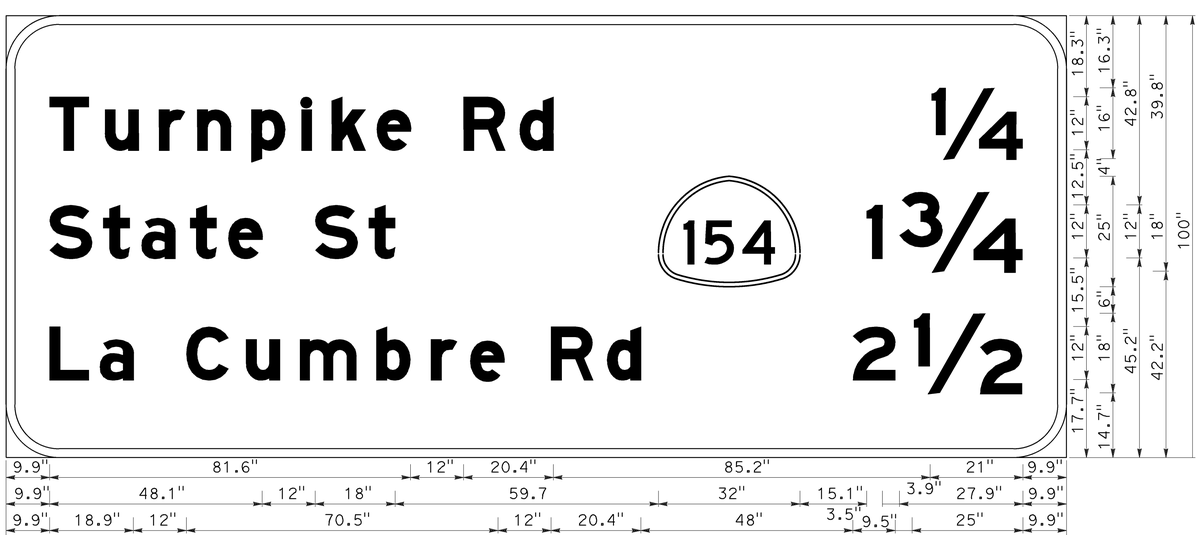
G85-5(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[PATERSSON] E MOD; [AVENUE] E MOD; ARROW 16CAP-1L - 25.0" 45{;

(50)
FNBT
PM20.6



G23-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[PATTERSONAVE] E MOD; [57/64] E MOD; [AIRPORT] E MOD; [59/64] E MOD; [UCSB] E MOD;

(51)

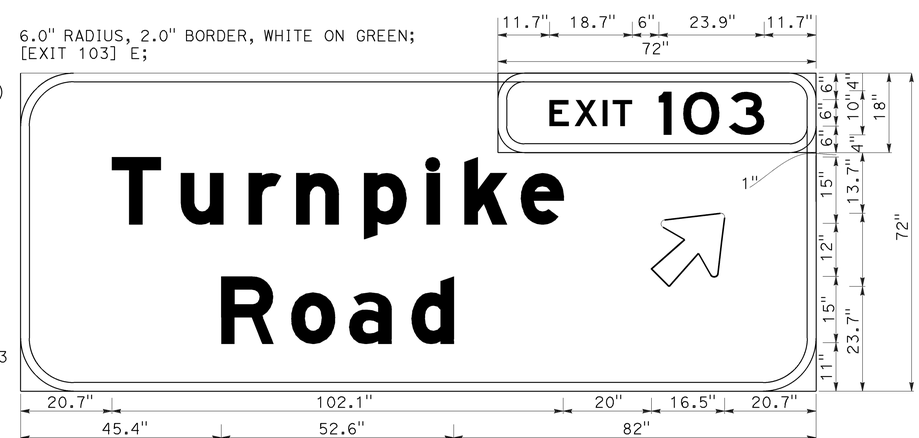


FSBT
PM20.6

G23-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[TURNPIKE RD] E MOD; [5/64] E MOD; [STATE ST] E MOD; [1 6/64] E MOD; [LA CUMBER RD] E MOD; [2 5/64] E MOD; [ ] E MOD;

6.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[EXIT 103] E;

(47)



FSBT
PM20.3

G85-5(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[TURNPIKE] E MOD; [ROAD] E MOD; ARROW 13.33UC-1L - 20.3" 45{;

APPROVED FOR SIGN WORK ONLY

SIGN DETAILS
SD-16

DAVID BLACK — CALCULATED-DESIGNED BY
FAWZI YAGHMOUR — CHECKED BY
REVISED BY — DATE REVISED
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 05-TRAFFIC DESIGN

LAST REVISION DATE PLOTTED => 30-APR-2014
04-21-14 TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010 | USERNAME => s123239 | DGN FILE => 05130000085ob016_.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1512 | PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	41	81

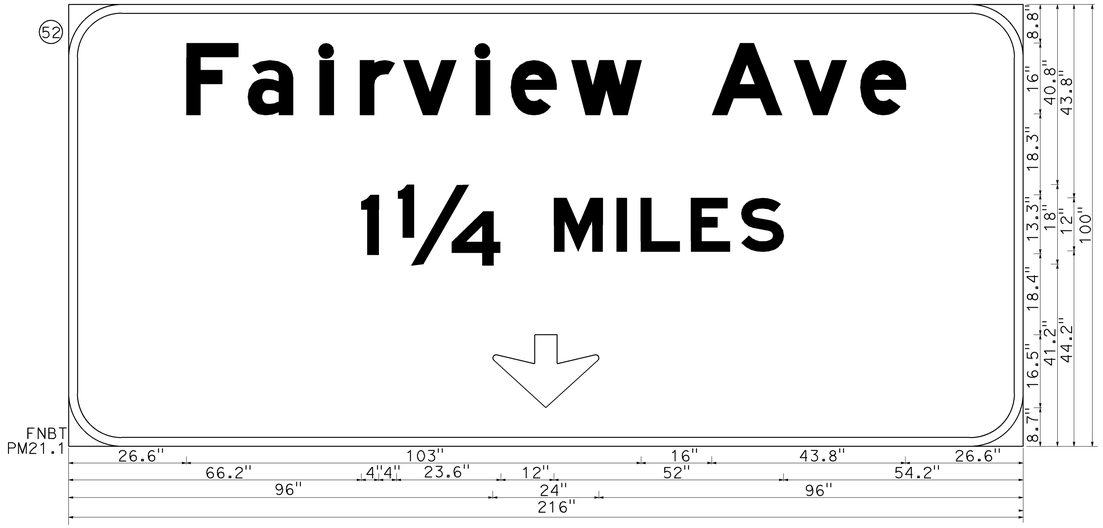
1-30-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

FAWZI YAGHMOUR No. C-54750 Exp. 12/31/15 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

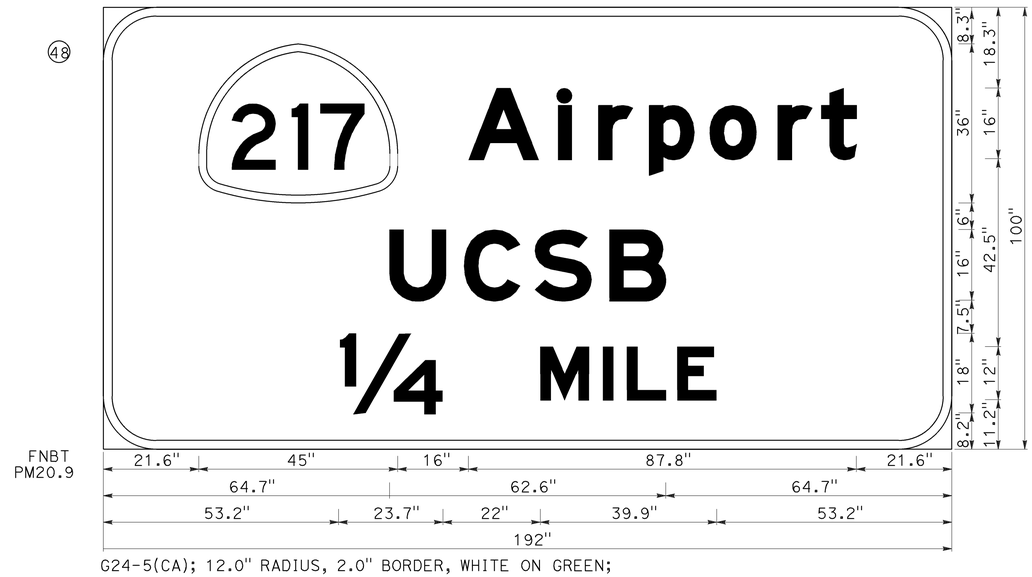
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

(52)



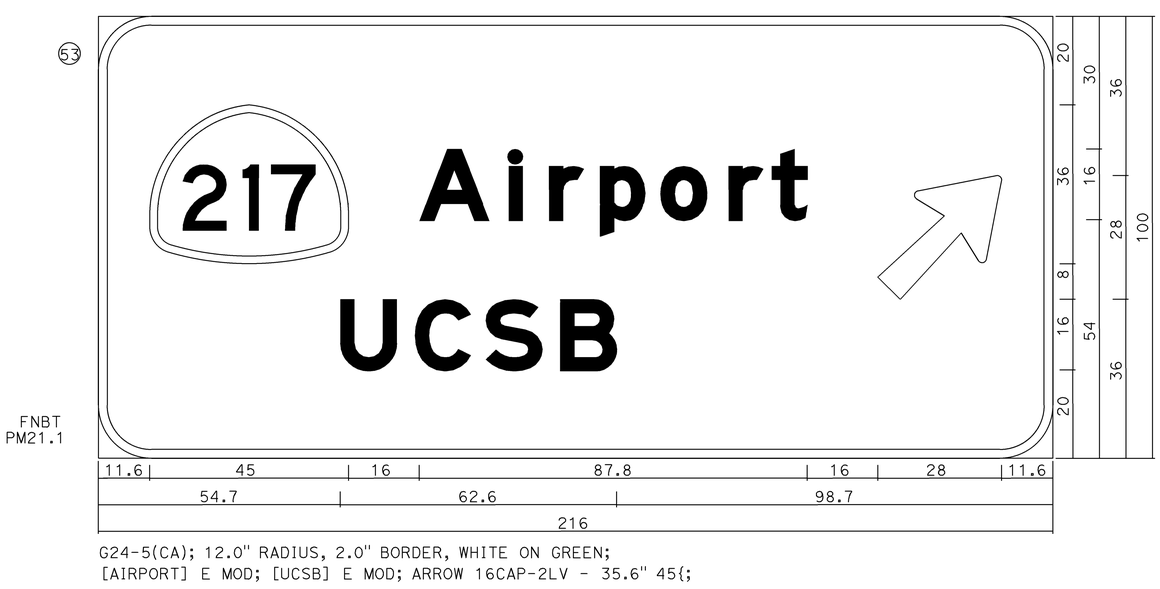
G83-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[FAIRVIEW AVE] E MOD; [1 57/64 MILES] E MOD; DOWN ARROW 16.0" 270{;

(48)



G24-5(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[AIRPORT] E MOD; [UCSB] E MOD; [57/64] E MOD; [MILE] E MOD;

(53)



G24-5(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[AIRPORT] E MOD; [UCSB] E MOD; ARROW 16CAP-2LV - 35.6" 45{;

APPROVED FOR SIGN WORK ONLY

SIGN DETAILS

SD-17

DESIGNED BY: DAVID BLACK
CALCULATED: FAWZI YAGHMOUR
CHECKED BY:
REVISED BY:
DATE REVISED:
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
05-TRAFFIC DESIGN

LAST REVISION DATE PLOTTED => 30-APR-2014
TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010
USERNAME => s123239
DGN FILE => 05130000085ob017_.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05130000851

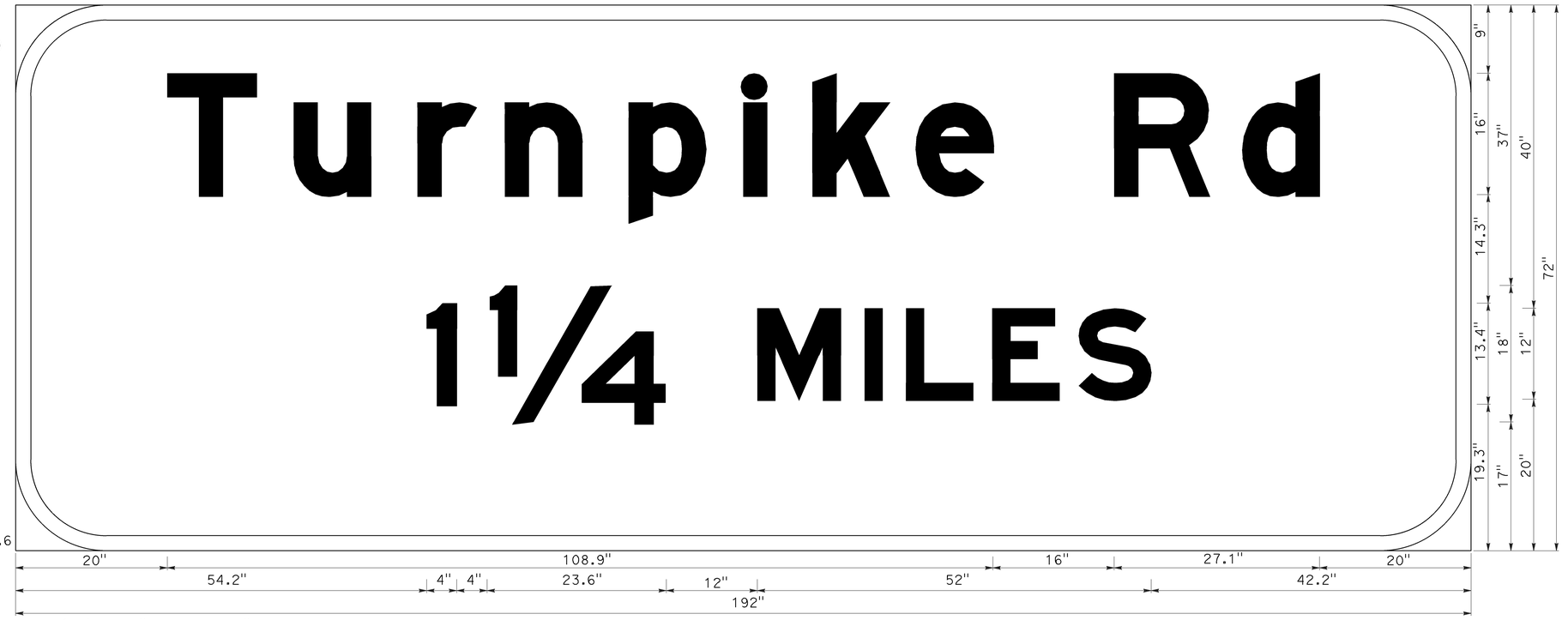
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	42	81

REGISTERED CIVIL ENGINEER 1-30-14 DATE

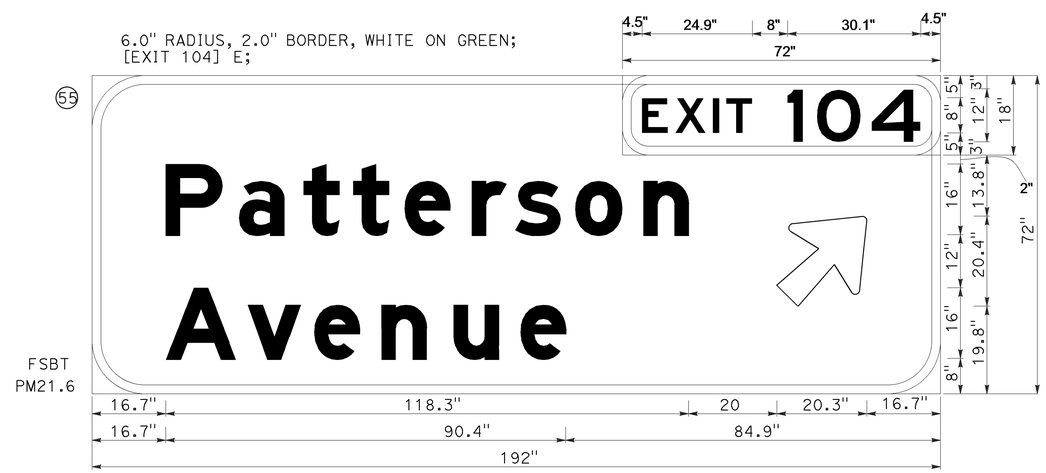
4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER FAWZI YAGHMOUR No. C-54750 Exp. 12/31/15 CIVIL STATE OF CALIFORNIA

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.



G83-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[TURNPIKE RD] E MOD; [1 57/64 MILES] E MOD;



G85-5(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[PATTERSON] E MOD; [AVENUE] E MOD; ARROW 16CAP-1L - 25.0" 45{;

SIGN DETAILS

SD-18

APPROVED FOR SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
05-TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
CALCULATED-DESIGNED BY: DAVID BLACK
CHECKED BY: FAWZI YAGHMOUR
REVISED BY
DATE REVISED

LAST REVISION 04-21-14
DATE PLOTTED => 30-APR-2014
TIME PLOTTED => 11:18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	43	81

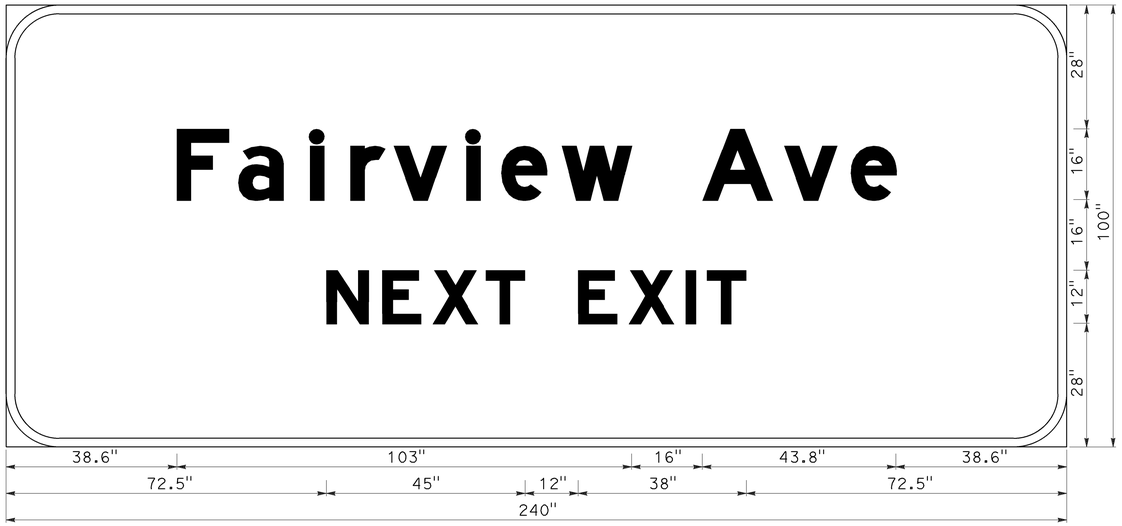
1-30-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
FAWZI YAGHMOUR
No. C-54750
Exp. 12/31/15
CIVIL
STATE OF CALIFORNIA

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.

(57)



FNBT
PM21.8

G86-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[FAIRVIEW AVE] E MOD; [NEXT EXIT] E MOD;

(56)

FSBT
PM21.9

G23-1(CA); 12.0" RADIUS, 2.0" BORDER, WHITE ON GREEN;
[PATTERSON AVE] E MOD; [59/64] E MOD; [TURNPIKE RD] E MOD; [1 59/64] E MOD; [STATE ST] E MOD; [3] E MOD;

APPROVED FOR SIGN WORK ONLY

SIGN DETAILS

SD-19

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
05-TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: MOHAMMED OATAMI
CALCULATED-DESIGNED BY: DAVID BLACK
CHECKED BY: FAWZI YAGHMOUR
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 30-APR-2014
04-21-14 TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010
USERNAME => s123239
DGN FILE => 0513000085ob019_.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05130000851

OVERHEAD SIGN PANEL QUANTITIES

SB/NB	POST MILE	SIGN No. (No.)	SIGN CODE	PANEL SIZE L x D	BACKGROUND		LEGEND		GRAFFITI FLOW		FURNISH LAMINATED PANEL SIGN (1"-TYPE A)	REMOVE OVERHEAD SIGN PANEL	INSTALL SIGN PANEL ON EXISTING FRAME
					SHEETING COLOR	Retroreflectxiity ASTM TYPE	SHEETING COLOR	Retroreflectxiity ASTM TYPE	STANDARD	PREMIUM			
				INCHES							SQFT	EA	SQFT
NB	13.0	OS1	G86-1(CA)	288 x 100	GREEN	XI	WHITE	XI		X	200.0	1	200.0
NB	13.1	OS2	G23-1(CA)	240 x 72	GREEN	XI	WHITE	XI		X	120.0	1	120.0
NB	13.1	OS3	G85-1(CA)	204 x 72	GREEN	XI	WHITE	XI		X	102.0	1	102.0
SB	13.7	OS4	G87(CA)	240 x72	GREEN	XI	WHITE	XI		X	120.0	1	120.0
NB	13.7	OS5	G86-1(A)	144 x 72	GREEN	XI	WHITE	XI		X	114.0	1	114.0
NB	13.8	OS6	G86-1(A)	144 x 72	GREEN	XI	WHITE	XI		X	72.0	1	72.0
SB	13.9	OS7	G86-1(A)	180 x72	GREEN	XI	WHITE	XI		X	90.0	1	90.0
NB	13.9	OS8	G83-1(CA)	180 x72	GREEN	XI	WHITE	XI		X	90.0	1	90.0
NB	13.9	OS9	G85-6(CA)	180 x72	GREEN	XI	WHITE	XI		X	90.0	1	90.0
SB	14.4	OS10	G83-1(CA)	180 x 72	GREEN	XI	WHITE	XI		X	90.0	1	90.0
SB	14.4	OS11	G85-5(CA)	216 x 72	GREEN	XI	WHITE	XI		X	108.0	1	108.0
NB	14.4	OS12	G83-1(CA)	204 x 72	GREEN	XI	WHITE	XI		X	102.0	1	102.0
NB	14.4	OS13	G85-5(CA)	180 x 72	GREEN	XI	WHITE	XI		X	90.0	1	90.0
SB	14.8	OS14	G86-1(CA)	216 x 100	GREEN	XI	WHITE	XI		X	150.0	1	150.0
SB	15.1	OS15	G85-5(CA)	216 x 72	GREEN	XI	WHITE	XI		X	108.0	1	108.0
SB	15.0	OS16	G23-1(CA)	216 x 90	GREEN	XI	WHITE	XI		X	135.0	1	135
NB	15.2	OS17	G83-1(CA)	180 x72	GREEN	XI	WHITE	XI		X	90.0	1	90.0
NB	15.2	OS18	G85-5(CA)	192 x72	GREEN	XI	WHITE	XI		X	96.0	1	96.0
SB	15.3	OS19	G83-1(CA)	186 x 100	GREEN	XI	WHITE	XI		X	129.2	1	129.2
NB	15.6	OS20	G85-5(CA)	168 x 72	GREEN	XI	WHITE	XI		X	84.0	1	84.0
NB	15.7	OS21	G23-1CA)	264 x 100	GREEN	XI	WHITE	XI		X	183.3	1	183.3
NB	15.9	OS22	G24-5(CA)	240 x 100	GREEN	XI	WHITE	XI		X	166.7	1	166.7
NB	15.9	OS23	G85-5(CA)	168 x 100	GREEN	XI	WHITE	XI		X	116.7	1	116.7
SB	16.0	OS24	G85-5(CA)	180 x72	GREEN	XI	WHITE	XI		X	90.0	1	90.0
SB	15.8	OS25	G83-1(CA)	192 x 72	GREEN	XI	WHITE	XI		X	96.0	1	96.0
NB	16.2	OS26	G83-1(CA)	216 x72	GREEN	XI	WHITE	XI		X	108.0	1	108.0
NB	16.2	OS27	G85-5(CA)	264 x72	GREEN	XI	WHITE	XI		X	132.0	1	132.0
SB	16.2	OS28	G23-1(CA)	180 x100	GREEN	XI	WHITE	XI		X	125.0	1	125.0
SB	16.5	OS29	G83-1(CA)	180 x 72	GREEN	XI	WHITE	XI		X	90.0	1	90.0
SB	17.0	OS30	G23-1(CA)	240 x 100	GREEN	XI	WHITE	XI		X	166.7	1	166.7
SUB-TOTAL											3,454.6	30	3,454.6

(N) NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	44	81

REGISTERED CXIIL ENGINEER — 1-30-14 DATE

4-21-14 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — FAWZI YAGHMOUR No. C-54750 Exp. 12/31/15 CIVIL — STATE OF CALIFORNIA

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.

CALCULATED-DESIGNED BY: DAVID BLACK
CHECKED BY: FAWZI YAGHMOUR
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
REVISED BY / DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 05-TRAFFIC DESIGN

SIGN QUANTITIES
SQ-1

LAST REVISION: DATE PLOTTED => 30-APR-2014
04-21-14 TIME PLOTTED => 11:18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	45	81

1-30-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
FAWZI YAGHMOUR
No. C-54750
Exp. 12/31/15
CIVIL
STATE OF CALIFORNIA

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.

OVERHEAD SIGN PANEL QUANTITIES

SB/NB	POST MILE	SIGN No. (No.)	SIGN CODE	PANEL SIZE L X D	BACKGROUND		LEGEND		GRAFFITI FLOW		FURNISH LAMINATED PANEL SIGN (1"-TYPE A)	REMOVE OVERHEAD SIGN PANEL	INSTALL SIGN PANEL ON EXISTING FRAME
					SHEETING COLOR	Retroreflectivity ASTM TYPE	SHEETING COLOR	Retroreflectivity ASTM TYPE	STANDARD	PREMIUM			
				INCHES							SQFT	EA	SQFT
NB	17.0	OS31	G23-1(CA)	240 x 100	GREEN	XI	WHITE	XI		X	166.7	1	166.7
SB	16.8	OS32	G24-5(CA)	216 x 100	GREEN	XI	WHITE	XI		X	150.0	1	150.0
NB	17.2	OS33	G85-5(CA)	252 x 72	GREEN	XI	WHITE	XI		X	126.0	1	126.0
NB	17.8	OS34	G24-5(CA)	240 x 100	GREEN	XI	WHITE	XI		X	166.7	1	166.7
SB	18.4	OS35	G83-1(CA)	216 x 72	GREEN	XI	WHITE	XI		X	108.0	1	108.0
SB	17.9	OS36	G85-5(CA)	204 x72	GREEN	XI	WHITE	XI		X	102.0	1	102.0
NB	17.8	OS37	G85-6(CA)	264 x100	GREEN	XI	WHITE	XI		X	183.3	1	183.3
NB	18.7	OS38	G85-5(CA)	180 x 72	GREEN	XI	WHITE	XI		X	90.0	1	90.0
NB	18.9	OS39	G85-6(CA)	240 x 72	GREEN	XI	WHITE	XI		X	120.0	1	120.0
NB	19.2	OS40	G83-1(CA)	192 x 72	GREEN	XI	WHITE	XI		X	96.0	1	96.0
SB	19.2	OS41	G87(CA)	192 x 72	GREEN	XI	WHITE	XI		X	96.0	1	96.0
NB	19.5	OS42	G23-1(CA)	240 x 100	GREEN	XI	WHITE	XI		X	166.7	1	166.7
NB	19.5	OS43	G23-1(CA)	240 x 100	GREEN	XI	WHITE	XI		X	166.7	1	166.7
SB	20.1	OS44	G83-1(CA)	228 x 72	GREEN	XI	WHITE	XI		X	114.0	1	114.0
NB	19.7	OS45	G85-5(CA)	180 x72	GREEN	XI	WHITE	XI		X	90.0	1	90.0
SB	20.1	OS46	G24-5(CA)	192 x 72	GREEN	XI	WHITE	XI		X	96.0	1	96.0
SB	20.3	OS47	G85-5(CA)	180 x 72	GREEN	XI	WHITE	XI		X	90.0	1	90.0
NB	20.9	OS48	G24-5(CA)	192 x 100	GREEN	XI	WHITE	XI		X	133.3	1	133.3
NB	20.9	OS49	G85-5(CA)	192 x 100	GREEN	XI	WHITE	XI		X	133.3	1	133.3
NB	20.6	OS50	G23-1(CA)	240 x 100	GREEN	XI	WHITE	XI		X	166.7	1	166.7
SB	20.6	OS51	G23-1(CA)	240 x 100	GREEN	XI	WHITE	XI		X	166.7	1	166.7
NB	21.1	OS52	G83-1(CA)	216 x 100	GREEN	XI	WHITE	XI		X	150.0	1	150.0
NB	21.1	OS53	G24-5(CA)	216 x 100	GREEN	XI	WHITE	XI		X	150.0	1	150.0
SB	19.6	OS54	G83-1(CA)	192 x 72	GREEN	XI	WHITE	XI		X	96.0	1	96.0
SB	21.6	OS55	G85-5(CA)	192 x 72	GREEN	XI	WHITE	XI		X	96.0	1	96.0
SB	21.9	OS56	G23-1(CA)	240 x 100	GREEN	XI	WHITE	XI		X	166.7	1	166.7
NB	21.8	OS57	G86-1(CA)	240 x 100	GREEN	XI	WHITE	XI		X	166.7	1	166.7
SUB-TOTAL											3,553.5	27	3,553.5

(N) NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

SIGN QUANTITIES

SQ-2

REVISED BY | DATE REVISED
DAVID BLACK | FAWZI YAGHMOUR
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 05-TRAFFIC DESIGN

LAST REVISION | DATE PLOTTED => 30-APR-2014
04-21-14 | TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010 | USERNAME => s123239 | DGN FILE => 0513000085oc002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1512 | PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	46	81

REGISTERED CIVIL ENGINEER 1-30-14 DATE

4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER FAWZI YAGHMOUR No. C-54750 Exp. 12/31/15 CIVIL STATE OF CALIFORNIA

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.

OVERHEAD SIGN PANEL QUANTITIES

	SB/NB	POST MILE	SIGN No.	PANEL TYPE	SIGN CODE	PANEL SIZE	OVERHEAD SIGN PANEL							REMOVE OVERHEAD SIGN PANEL	INSTALL SIGN PANEL ON EXISTING FRAME
							BACKGROUND		LEGEND		GRAFFITI FLOW		FURNISH LAMINATED PANEL SIGN (1"-TYPE A)		
							SHEETING COLOR	Retroreflectivity ASTM TYPE	SHEETING COLOR	Retroreflectivity ASTM TYPE	STANDARD	PREMIUM			
													SQFT	EA	SQFT
SUBTOTAL SQ-1													3454.6	30	3454.6
SUBTOTAL SQ-2													3553.5	27	3553.5
TOTAL													7008.1	57	7008.1

SIGN QUANTITIES

SQ-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 05-TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
CALCULATED-DESIGNED BY: DAVID BLACK
CHECKED BY: FAWZI YAGHMOUR
REVISED BY
DATE REVISED

LAST REVISION 04-21-14
DATE PLOTTED => 30-APR-2014
TIME PLOTTED => 11:18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	47	81

4-18-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
FAWZI YAGHMOUR
No. C-54750
Exp. 12/31/15
CIVIL
STATE OF CALIFORNIA

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.

ROADSIDE SIGN QUANTITIES

SHEET NUMBER	SIGN NUMBER (SIGN-No.)	SIGN CODE FEDERAL	SIGN PANEL SIZE INCHES	BACKGROUND "C" DIM IN FEET	BACKGROUND SHEETING COLOR	BACKGROUND Retroreflectivity ASTM TYPE	LEGEND SHEETING COLOR	LEGEND Retroreflectivity ASTM TYPE	GRAFFITI FLOW STANDARD	GRAFFITI FLOW PREMIUM	POST SIZE AND LENGTH 4"x4"	ROADSIDE SIGN ONE POST EACH	ROADSIDE SIGN MESSAGE	FURNISH SINGLE SHEET ALUMINUM SIGN (0.063" - UNFRAMED) SQFT
PD-2	S2-1	R9-3	18 x 18	7'	WHITE	IV	BLACK	IV		X	14'	1	NO PED CROSSING SYMBOL	2.25
	S2-2	R9-3	18 x 18	7'	WHITE	IV	BLACK	IV		X	14'	1	NO PED CROSSING SYMBOL	2.25
	S2-3	R9-3	18 x 18	7'	WHITE	IV	BLACK	IV		X	14'	1	NO PED CROSSING SYMBOL	2.25
	S2-4	R9-3	18 x 18	7'	WHITE	IV	BLACK	IV		X	14'	1	NO PED CROSSING SYMBOL	2.25
	S2-5	R9-3	18 x 18	7'	WHITE	IV	BLACK	IV		X	14'	1	NO PED CROSSING SYMBOL	2.25
PD-3	S3-1	R9-3	18 x 18	7'	WHITE	IV	BLACK	IV		X	14'	1	NO PED CROSSING SYMBOL	2.25
	S3-2	R9-3	18 x 18	7'	WHITE	IV	BLACK	IV		X	14'	1	NO PED CROSSING SYMBOL	2.25
	S3-3	R9-3	18 x 18	7'	WHITE	IV	BLACK	IV		X	14'	1	NO PED CROSSING SYMBOL	2.25
	S3-4	R9-3	18 x 18	7'	WHITE	IV	BLACK	IV		X	14'	1	NO PED CROSSING SYMBOL	2.25
PD-4	S4-1	R9-3	18 x 18	7'	WHITE	IV	BLACK	IV		X	14'	1	NO PED CROSSING SYMBOL	2.25
	S4-2	R9-3	18 x 18	7'	WHITE	IV	BLACK	IV		X	14'	1	NO PED CROSSING SYMBOL	2.25
	S4-3	R9-3	18 x 18	7'	WHITE	IV	BLACK	IV		X	14'	1	NO PED CROSSING SYMBOL	2.25
	S4-4	R9-3	18 x 18	7'	WHITE	IV	BLACK	IV		X	14'	1	NO PED CROSSING SYMBOL	2.25
PD-5	S5-1	R9-3	18 x 18	7'	WHITE	IV	BLACK	IV		X	14'	1	NO PED CROSSING SYMBOL	2.25
PD-6	S6-1	R9-3	18 x 18	7'	WHITE	IV	BLACK	IV		X	14'	1	NO PED CROSSING SYMBOL	2.25
	S6-2	R9-3	18 x 18	7'	WHITE	IV	BLACK	IV		X	14'	1	NO PED CROSSING SYMBOL	2.25
	S6-3	R9-3	18 x 18	7'	WHITE	IV	BLACK	IV		X	14'	1	NO PED CROSSING SYMBOL	2.25
	S6-4	R9-3	18 x 18	7'	WHITE	IV	BLACK	IV		X	14'	1	NO PED CROSSING SYMBOL	2.25
	S6-5	R9-3	18 x 18	7'	WHITE	IV	BLACK	IV		X	14'	1	NO PED CROSSING SYMBOL	2.25
PD-7	S7-1	R9-3	18 x 18	7'	WHITE	IV	BLACK	IV		X	14'	1	NO PED CROSSING SYMBOL	2.25
	S7-2	R9-3	18 x 18	7'	WHITE	IV	BLACK	IV		X	14'	1	NO PED CROSSING SYMBOL	2.25
	S7-3	R9-3	18 x 18	7'	WHITE	IV	BLACK	IV		X	14'	1	NO PED CROSSING SYMBOL	2.25
	S7-4	R9-3	18 x 18	7'	WHITE	IV	BLACK	IV		X	14'	1	NO PED CROSSING SYMBOL	2.25
	S7-5	R9-3	18 x 18	7'	WHITE	IV	BLACK	IV		X	14'	1	NO PED CROSSING SYMBOL	2.25
	SUBTOTAL											24		54.0

NOTES:

1. EXACT LOCATION AND POSITION OF ROADSIDE SIGNS TO BE DETERMINED BY THE ENGINEER.
2. POST LENGTHS GIVEN ARE APPROIVMATE.
3. "C" DIMENSION = VERTICAL CLEARANCE FROM EP TO BOTTOM OF SIGN PANEL.

REVISED BY | DATE REVISED
DAVID BLACK | FAWZI YAGHMOUR
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 05-TRAFFIC DESIGN

SIGN QUANTITIES

SQ-4

LAST REVISION DATE PLOTTED => 30-APR-2014
TIME PLOTTED => 11:18
04-21-14

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	48	81

1-30-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

FAWZI YAGHMOUR No. C-54750 Exp. 12/31/15 CIVIL
REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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.

ROADSIDE SIGN QUANTITIES

SHEET NUMBER	SIGN NUMBER (SIGN-No.)	SIGN CODE FEDERAL	SIGN PANEL SIZE INCHES	"C" DIM IN FEET	POST SIZE AND LENGTH 4"x4"	BACKGROUND SHEETING COLOR	BACKGROUND Retroreflectivity ASTM TYPE	LEGEND SHEETING COLOR	LEGEND Retroreflectivity ASTM TYPE	GRAFFITI FLOW STANDARD	GRAFFITI FLOW PREMIUM	ROADSIDE SIGN ONE POST EACH	ROADSIDE SIGN MESSAGE	FURNISH SINGLE SHEET ALUMINUM SIGN (0.063" - UNFRAMED) SQFT
PD-9	S9-1	R9-3	18 x 18	7′	14′	WHITE	IV	BLACK	IV		X	1	NO PED CROSSING SYMBOL	2.25
	S9-2	R9-3	18 x 18	7′	14′	WHITE	IV	BLACK	IV		X	1	NO PED CROSSING SYMBOL	2.25
	S9-3	R9-3	18 x 18	7′	14′	WHITE	IV	BLACK	IV		X	1	NO PED CROSSING SYMBOL	2.25
	S9-4	R9-3	18 x 18	7′	14′	WHITE	IV	BLACK	IV		X	1	NO PED CROSSING SYMBOL	2.25
	S9-5	R9-3	18 x 18	7′	14′	WHITE	IV	BLACK	IV		X	1	NO PED CROSSING SYMBOL	2.25
PD-10	S10-1	R9-3	18 x 18	7′	14′	WHITE	IV	BLACK	IV		X	1	NO PED CROSSING SYMBOL	2.25
	S10-2	R9-3	18 x 18	7′	14′	WHITE	IV	BLACK	IV		X	1	NO PED CROSSING SYMBOL	2.25
	S10-3	R9-3	18 x 18	7′	14′	WHITE	IV	BLACK	IV		X	1	NO PED CROSSING SYMBOL	2.25
	S10-4	R9-3	18 x 18	7′	14′	WHITE	IV	BLACK	IV		X	1	NO PED CROSSING SYMBOL	2.25
	S10-5	R9-3	18 x 18	7′	14′	WHITE	IV	BLACK	IV		X	1	NO PED CROSSING SYMBOL	2.25
PD-11	S11-1	R9-3	18 x 18	7′	14′	WHITE	IV	BLACK	IV		X	1	NO PED CROSSING SYMBOL	2.25
	S11-2	R9-3	18 x 18	7′	14′	WHITE	IV	BLACK	IV		X	1	NO PED CROSSING SYMBOL	2.25
	S11-3	R9-3	18 x 18	7′	14′	WHITE	IV	BLACK	IV		X	1	NO PED CROSSING SYMBOL	2.25
PD-13	S13-1	R9-3	18 x 18	7′	14′	WHITE	IV	BLACK	IV		X	1	NO PED CROSSING SYMBOL	2.25
	S13-2	R9-3	18 x 18	7′	14′	WHITE	IV	BLACK	IV		X	1	NO PED CROSSING SYMBOL	2.25
PD-14	S14-1	R9-3	18 x 18	7′	14′	WHITE	IV	BLACK	IV		X	1	NO PED CROSSING SYMBOL	2.25
	S14-2	R9-3	18 x 18	7′	14′	WHITE	IV	BLACK	IV		X	1	NO PED CROSSING SYMBOL	2.25
PD-15	S15-1	R9-3	18 x 18	7′	14′	WHITE	IV	BLACK	IV		X	1	NO PED CROSSING SYMBOL	2.25
	S15-2	R9-3	18 x 18	7′	14′	WHITE	IV	BLACK	IV		X	1	NO PED CROSSING SYMBOL	2.25
SUBTOTAL												20		45.00

DAVID BLACK — CALCULATED-DESIGNED BY
FAWZI YAGHMOUR — CHECKED BY
MOHAMMED QATAMI — FUNCTIONAL SUPERVISOR
REVISED BY — DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 05-TRAFFIC DESIGN

SIGN QUANTITIES

SQ-5

LAST REVISION DATE PLOTTED => 30-APR-2014
04-21-14 TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010

USERNAME => s123239
DGN FILE => 05130000085oc005.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1512

PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	49	81

1-30-14
REGISTERED CIVIL ENGINEER DATE

4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
FAWZI YAGHMOUR
No. C-54750
Exp. 12/31/15
CIVIL
STATE OF CALIFORNIA

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.

ROADSIDE SIGN QUANTITIES

SHEET NUMBER	SIGN NUMBER (SIGN-No.)	SIGN CODE FEDERAL	SIGN PANEL SIZE INCHES	"C" DIM IN FEET	POST SIZE AND LENGTH 4"x4"	BACKGROUND SHEETING COLOR	BACKGROUND Retroreflectivity ASTM TYPE	LEGEND SHEETING COLOR	LEGEND Retroreflectivity ASTM TYPE	GRAFFITI FLOW STANDARD	GRAFFITI FLOW PREMIUM	ROADSIDE SIGN ONE POST EACH	ROADSIDE SIGN MESSAGE	FURNISH SINGLE SHEET ALUMINUM SIGN (0.063" - UNFRAMED) SQFT
PD-16	S16-1	R9-3	18 x 18	7′	14′	WHITE	IV	BLACK	IV		X	1	NO PED CROSSING SYMBOL	2.25
	S16-2	R9-3	18 x 18	7′	14′	WHITE	IV	BLACK	IV		X	1	NO PED CROSSING SYMBOL	2.25
PD-18	S18-1	R9-3	18 x 18	7′	14′	WHITE	IV	BLACK	IV		X	1	NO PED CROSSING SYMBOL	2.25
	S18-2	R9-3	18 x 18	7′	14′	WHITE	IV	BLACK	IV		X	1	NO PED CROSSING SYMBOL	2.25
	S18-3	R9-3	18 x 18	7′	14′	WHITE	IV	BLACK	IV		X	1	NO PED CROSSING SYMBOL	2.25
	S18-4	R9-3	18 x 18	7′	14′	WHITE	IV	BLACK	IV		X	1	NO PED CROSSING SYMBOL	2.25
									SUBTOTAL			6		13.5
									SHEET PSQ4-1 TOTAL			24		54.0
									SHEET PSQ5-1 TOTAL			19		42.75
									TOTAL			49		110.25

SIGN QUANTITIES

SQ-6

DAVID BLACK — CALCULATED-DESIGNED BY
FAWZI YAGHMOUR — CHECKED BY
REVISED BY — DATE REVISED
FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® 05-TRAFFIC DESIGN

LAST REVISION DATE PLOTTED => 30-APR-2014
04-21-14 TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010
USERNAME => s123239
DGN FILE => 05130000085oc006.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	50	81

Xavier Alfaro 4-21-14
REGISTERED ELECTRICAL ENGINEER

4-21-14
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.

REGISTERED PROFESSIONAL ENGINEER
XAVIER I. ALFARO
No. E17488
Exp. 6-30-15
ELECTRICAL
STATE OF CALIFORNIA

LEGEND:

1 RC Exist MV's REPLACE WITH ISL's.

2 RC Exist HPS LUMINAIR.
REPLACE WITH 230 W LED LUMINAIRE.

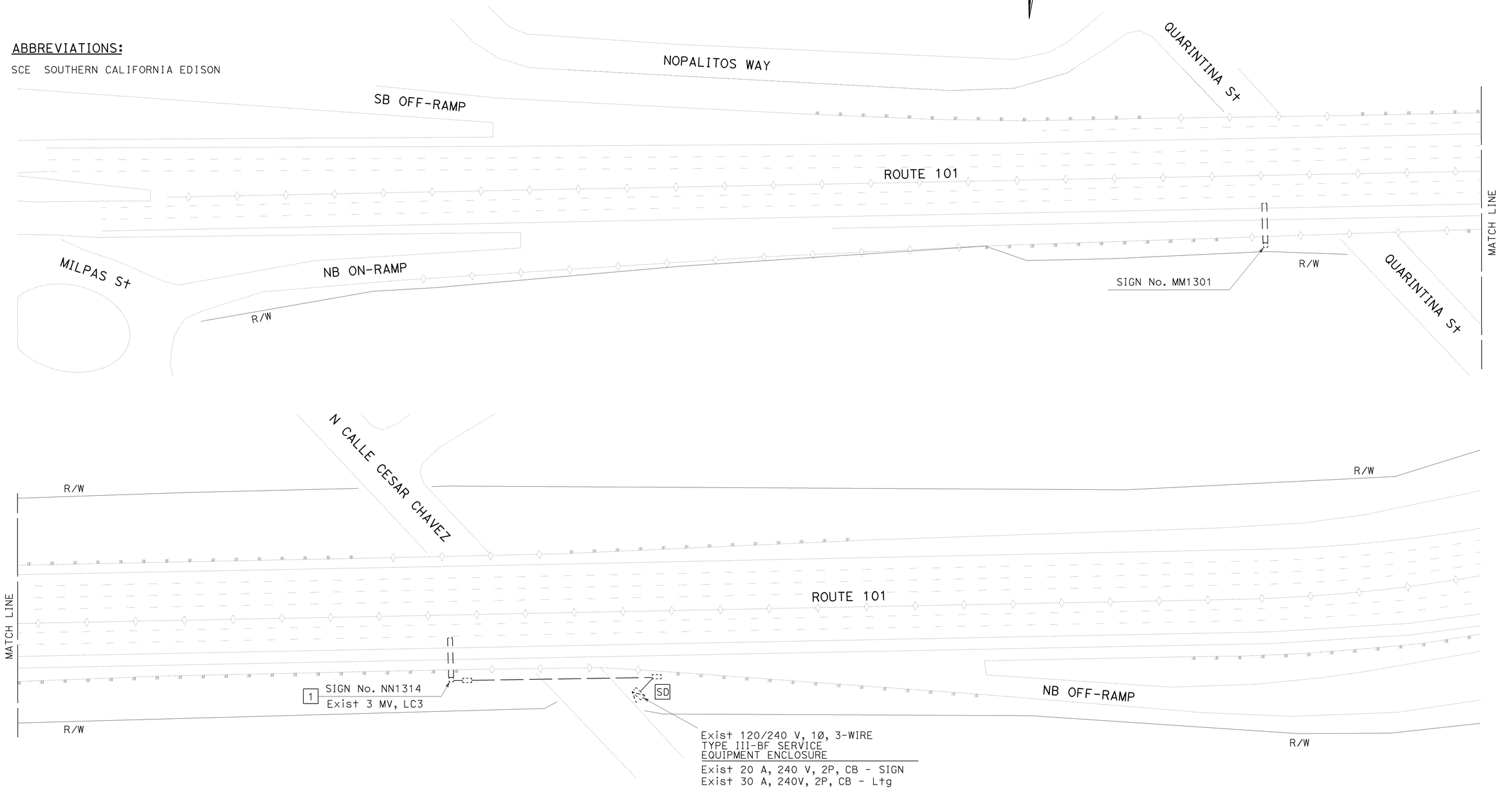
3 RC Exist HPS LUMINAIR.
REPLACE WITH 165 W LED LUMINAIRE.

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. PERFORM CHECK AND TEST OF EXISTING IRRIGATION FACILITIES AS SHOWN ON THE UTILITY SHEETS PRIOR TO EXCAVATION FOR ELECTRICAL FACILITIES.

ABBREVIATIONS:

SCE SOUTHERN CALIFORNIA EDISON



APPROVED FOR ELECTRICAL WORK ONLY

MODIFY SIGN ILLUMINATION
E-1

SCALE: 1"=50'

REVISED BY | DATE REVISED
XAVIER ALFARO | DANIEL VO
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: ALI BAKHDOUD

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL DESIGN

LAST REVISION | DATE PLOTTED => 30-APR-2014
04-21-14 | TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010 | USERNAME => s123239 | DGN FILE => 0513000085ua001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1515 | PROJECT NUMBER & PHASE 05130000851

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

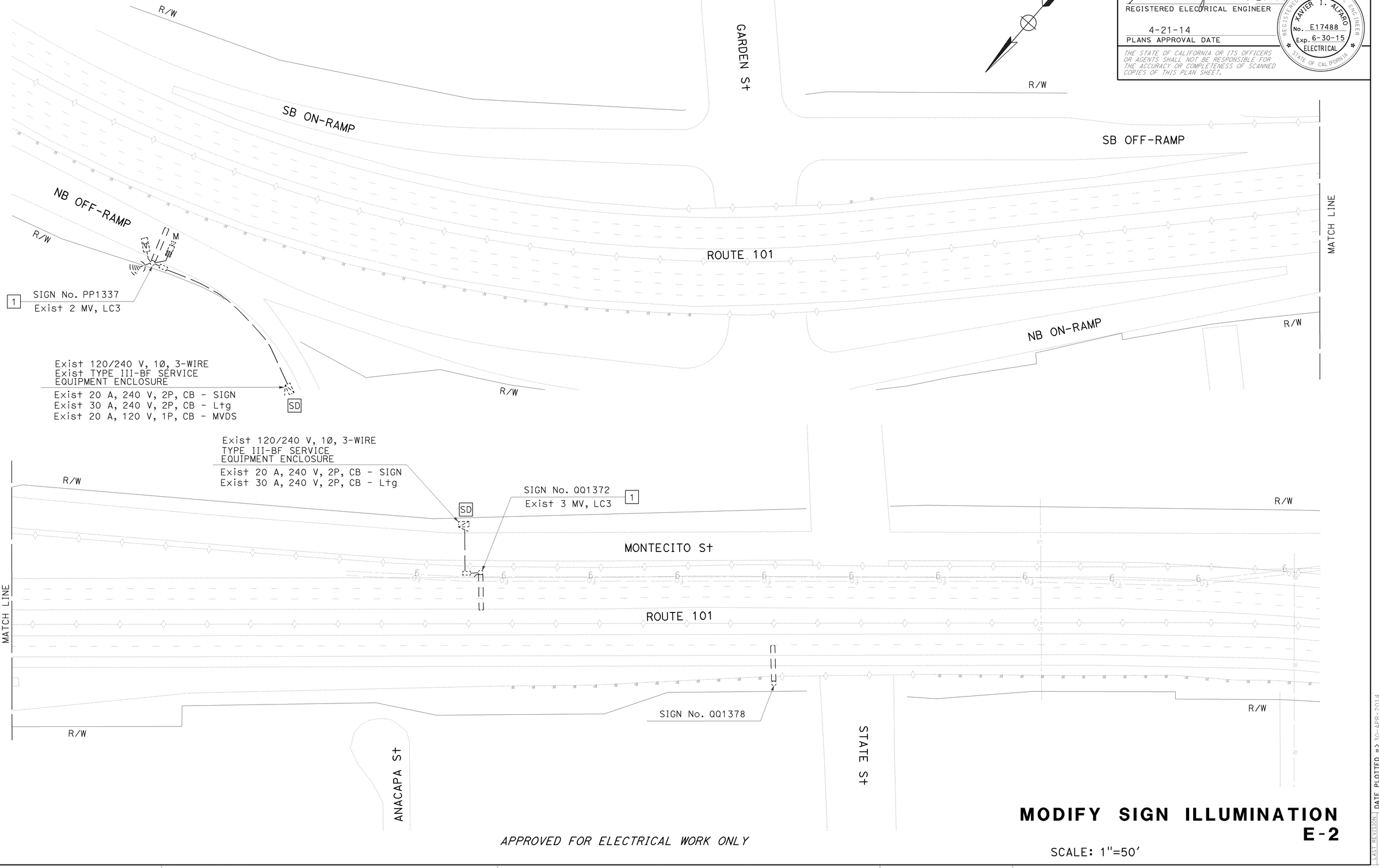
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	51	81

Xavier Alfaro 4-21-14
REGISTERED ELECTRICAL ENGINEER

4-21-14
PLANS APPROVAL DATE

XAVIER I. ALFARO No. E17488 Exp. 6-30-15 ELECTRICAL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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.



MODIFY SIGN ILLUMINATION
E-2

APPROVED FOR ELECTRICAL WORK ONLY

SCALE: 1"=50'

REVISED BY | DATE REVISED
XAVIER ALFARO | DANIEL VO
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: ALI BAKHDOUD

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL DESIGN

LAST REVISION | DATE PLOTTED => 30-APR-2014
04-21-14 | TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010 | USERNAME => s123239 | DGN FILE => 05130000085ua002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1515 | PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	52	81

Xavier Alfaro 4-21-14
REGISTERED ELECTRICAL ENGINEER

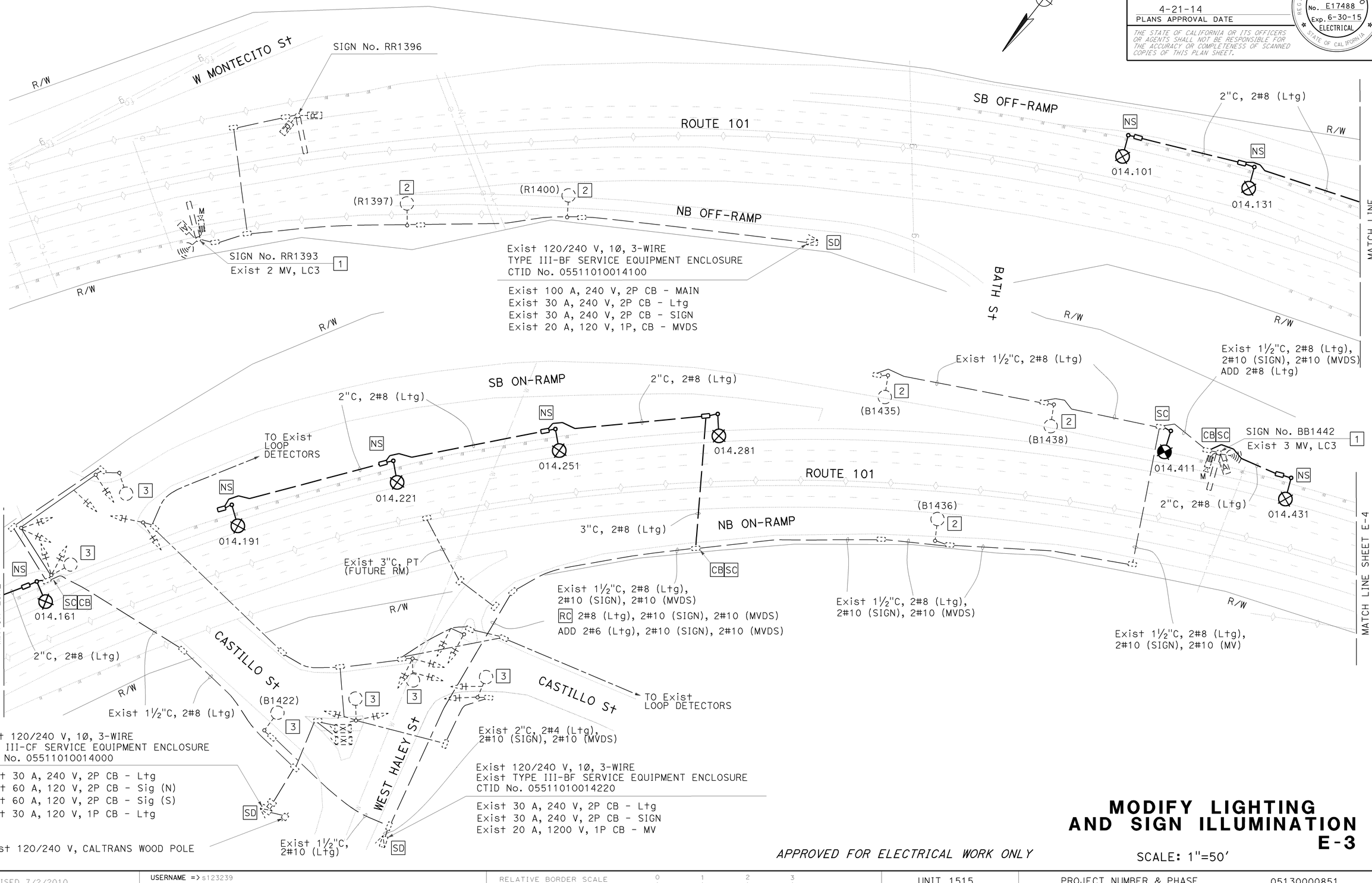
4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — XAVIER T. ALFARO — No. E17488 — Exp. 6-30-15 — ELECTRICAL — STATE OF CALIFORNIA

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.

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



APPROVED FOR ELECTRICAL WORK ONLY

MODIFY LIGHTING AND SIGN ILLUMINATION
E-3

SCALE: 1"=50'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR: ALI BAKHDOUD

REVISED BY	DATE REVISED
XAVIER ALFARO	
DANIEL VO	

CALCULATED-DESIGNED BY
CHECKED BY

LAST REVISION
DATE PLOTTED => 30-APR-2014
TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010 | USERNAME => s123239 | DGN FILE => 0513000085ua003.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1515 | PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	53	81

Xavier Alfaro 4-21-14
REGISTERED ELECTRICAL ENGINEER

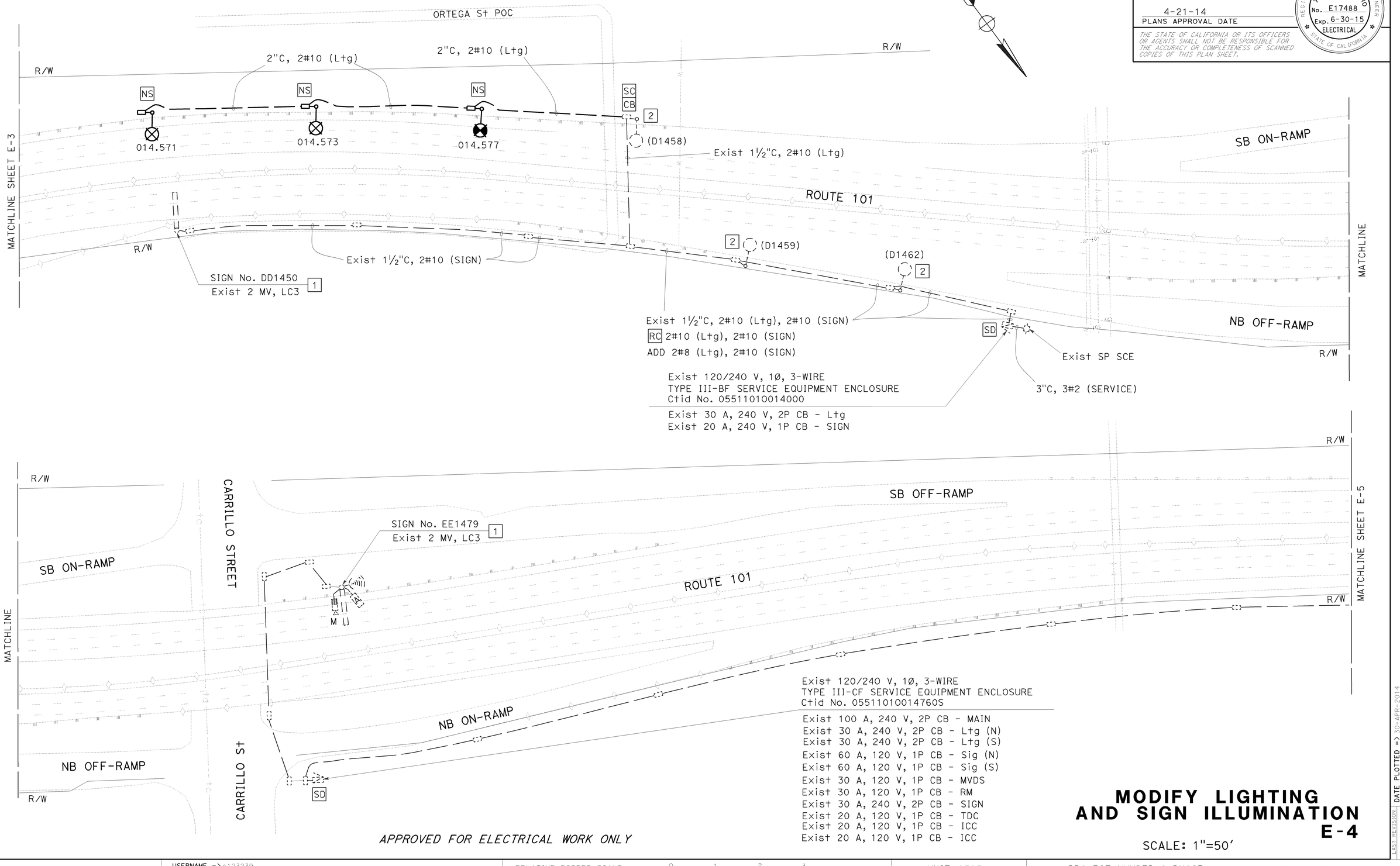
4-21-14
PLANS APPROVAL DATE

XAVIER I. ALFARO No. E17488 Exp. 6-30-15 ELECTRICAL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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.

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



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MODIFY LIGHTING AND SIGN ILLUMINATION
E-4

SCALE: 1"=50'

LAST REVISION: DATE PLOTTED => 30-APR-2014
04-21-14 TIME PLOTTED => 11:19

REVISED BY	DATE REVISED
XAVIER ALFARO	
DANIEL VO	
CALCULATED-DESIGNED BY	
CHECKED BY	
FUNCTIONAL SUPERVISOR	
ALI BAKHDOUD	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® ELECTRICAL DESIGN

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	54	81

Xavier Alfaro 4-21-14
REGISTERED ELECTRICAL ENGINEER

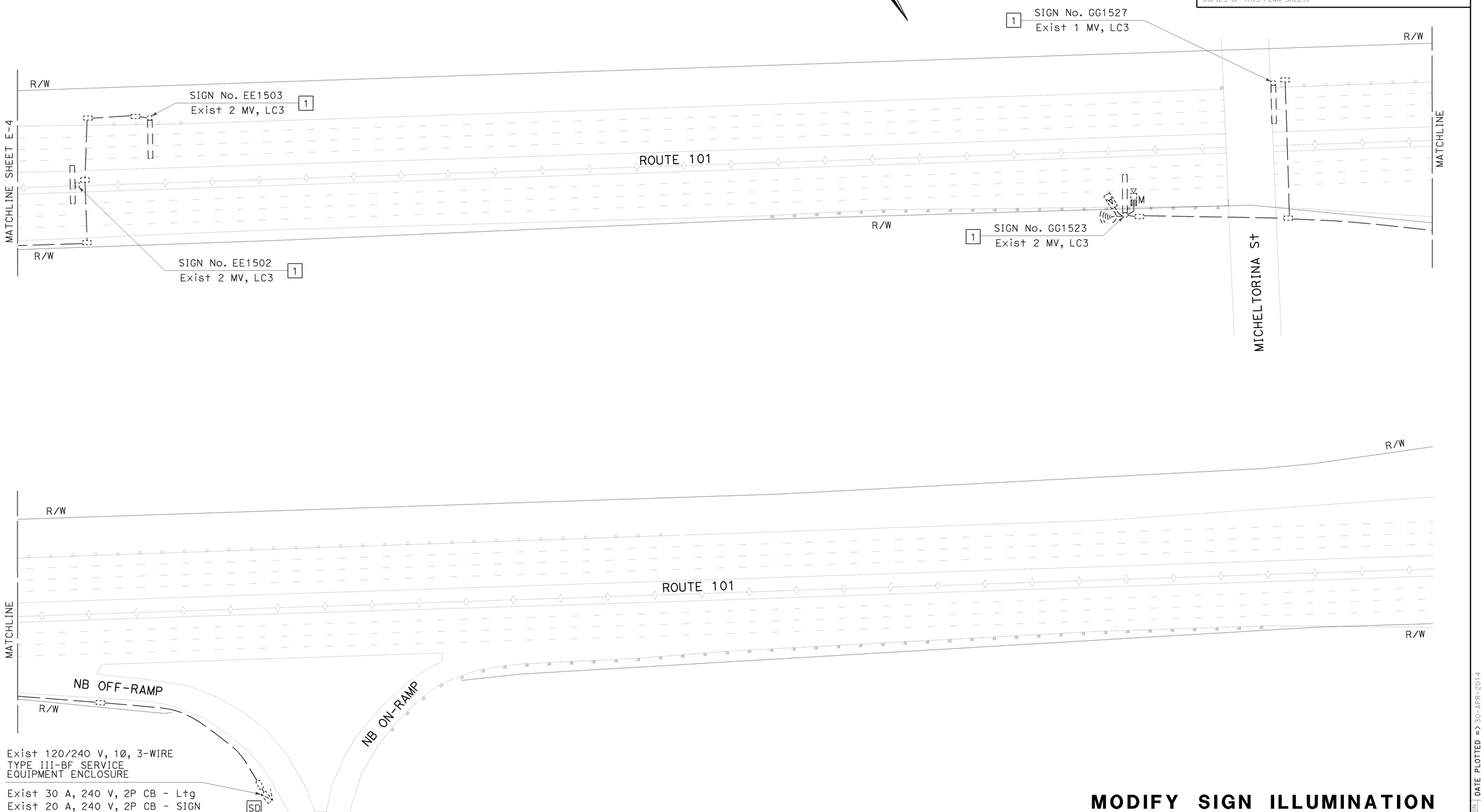
4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
XAVIER I. ALFARO
No. E17488
Exp. 6-30-15
ELECTRICAL
STATE OF CALIFORNIA

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.

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



APPROVED FOR ELECTRICAL WORK ONLY

MODIFY SIGN ILLUMINATION
E-5

SCALE: 1"=50'

REVISED BY | DATE REVISED
XAVIER ALFARO | DANIEL VO
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: ALI BAKHDOUD
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® ELECTRICAL DESIGN

LAST REVISION | DATE PLOTTED => 30-APR-2014
04-21-14 | TIME PLOTTED => 11:19

BORDER LAST REVISED 7/2/2010 | USERNAME => s123239 | DGN FILE => 0513000085ua005.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1515 | PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	55	81

Xavier Alfaro 4-21-14
REGISTERED ELECTRICAL ENGINEER

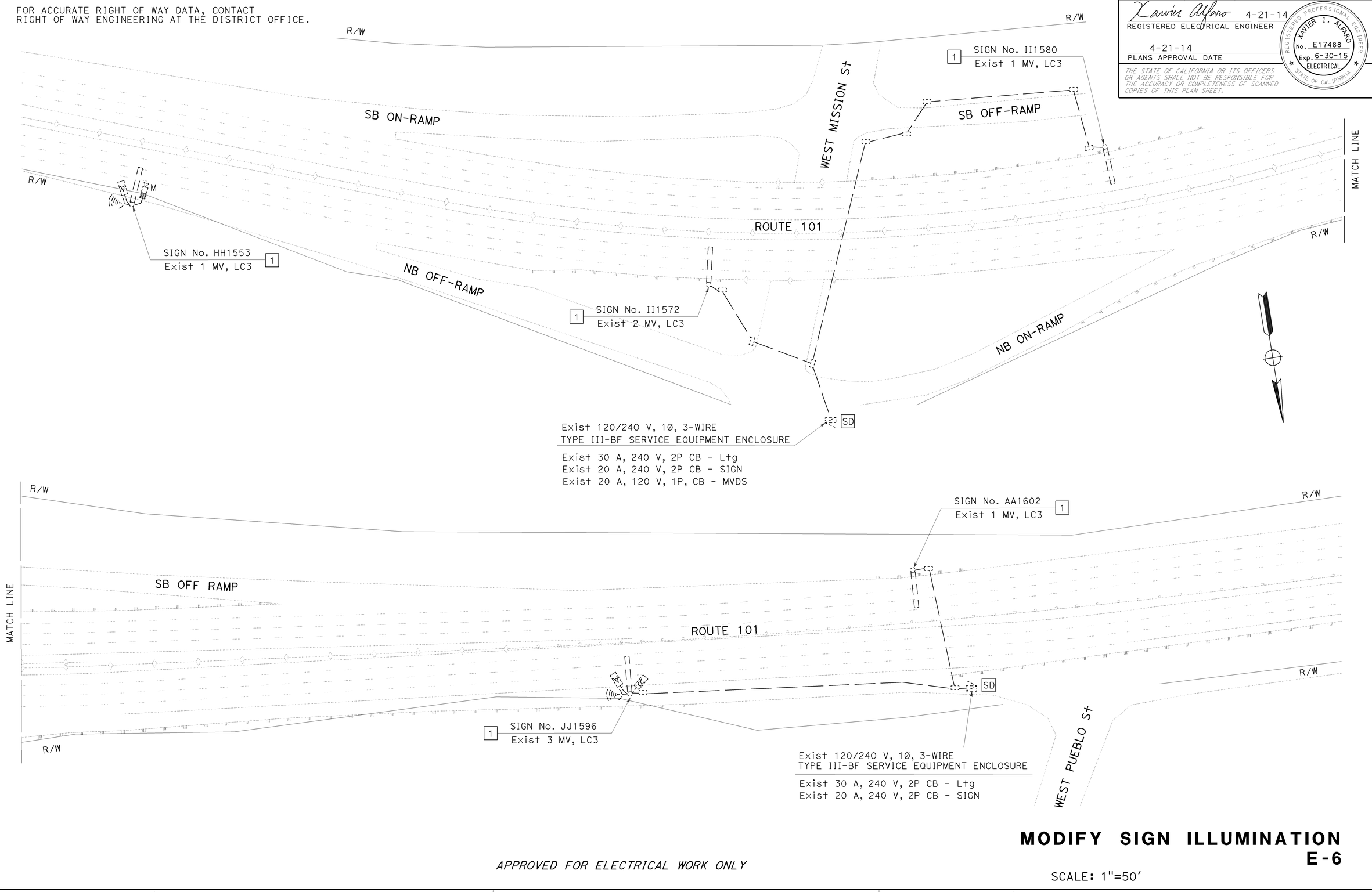
4-21-14
PLANS APPROVAL DATE

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.

REGISTERED PROFESSIONAL ENGINEER
XAVIER I. ALFARO
No. E17488
Exp. 6-30-15
ELECTRICAL
STATE OF CALIFORNIA

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



MODIFY SIGN ILLUMINATION
E-6

APPROVED FOR ELECTRICAL WORK ONLY

SCALE: 1"=50'

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: XAVIER ALFARO
CHECKED BY: DANIEL VO
FUNCTIONAL SUPERVISOR: ALI BAKHDOUD

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® ELECTRICAL DESIGN

LAST REVISION: DATE PLOTTED => 30-APR-2014
04-21-14 TIME PLOTTED => 11:19

BORDER LAST REVISED 7/2/2010

USERNAME => s123239
DGN FILE => 0513000085ua006.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1515

PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	56	81

Xavier Alfaro 4-21-14
REGISTERED ELECTRICAL ENGINEER

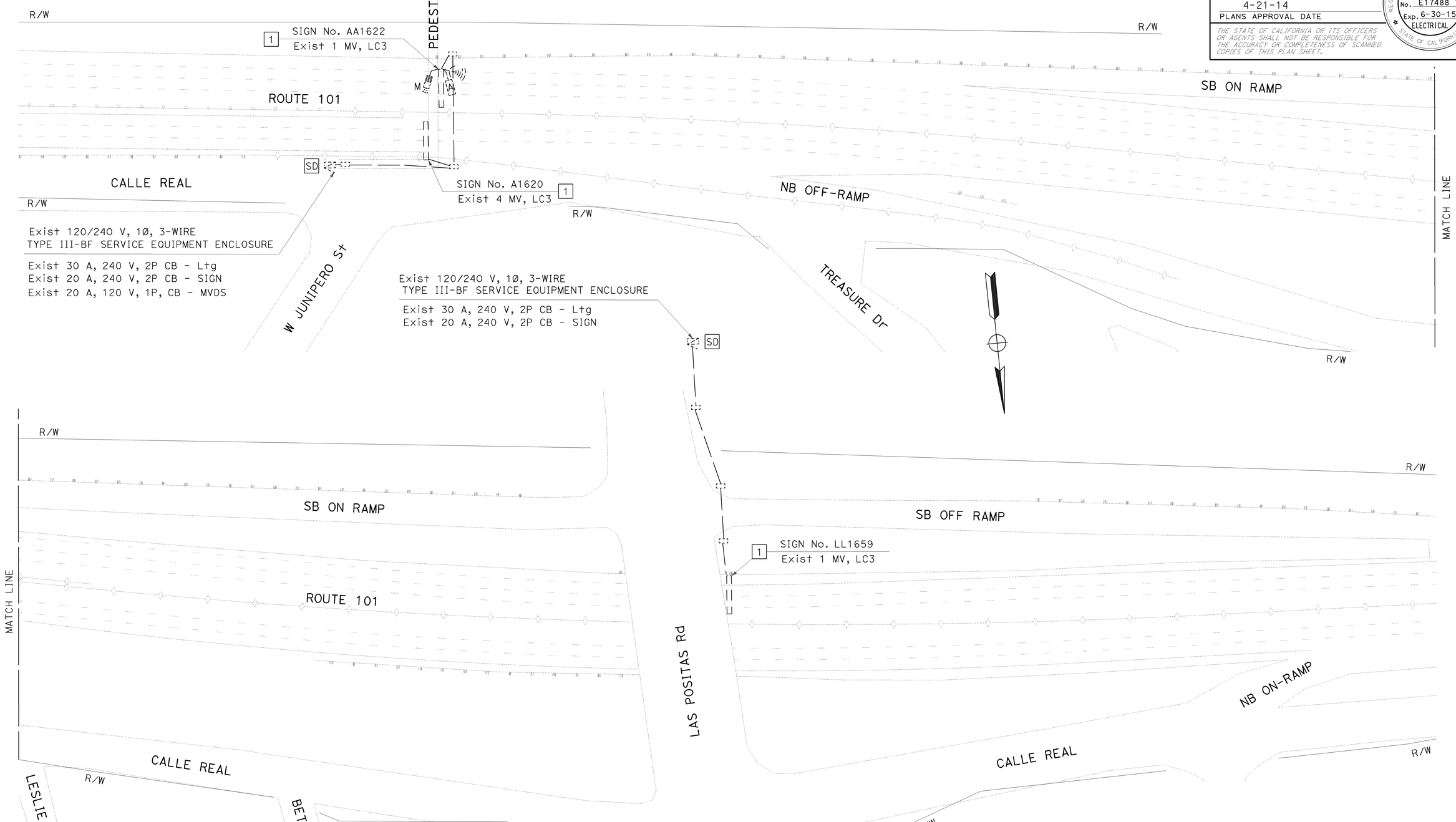
4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER XAVIER I. ALFARO No. E17488 Exp. 6-30-15 ELECTRICAL STATE OF CALIFORNIA

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.

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



APPROVED FOR ELECTRICAL WORK ONLY

MODIFY SIGN ILLUMINATION
E-7

SCALE: 1"=50'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR: ALI BAKHDOUD
CALCULATED-DESIGNED BY: XAVIER ALFARO
CHECKED BY: DANIEL VO
REVISED BY
DATE REVISED

LAST REVISION 04-21-14
DATE PLOTTED => 30-APR-2014
TIME PLOTTED => 11:19

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	57	81

Xavier Alfaro 4-21-14
REGISTERED ELECTRICAL ENGINEER

4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
XAVIER I. ALFARO
No. E17488
Exp. 6-30-15
ELECTRICAL
STATE OF CALIFORNIA

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.

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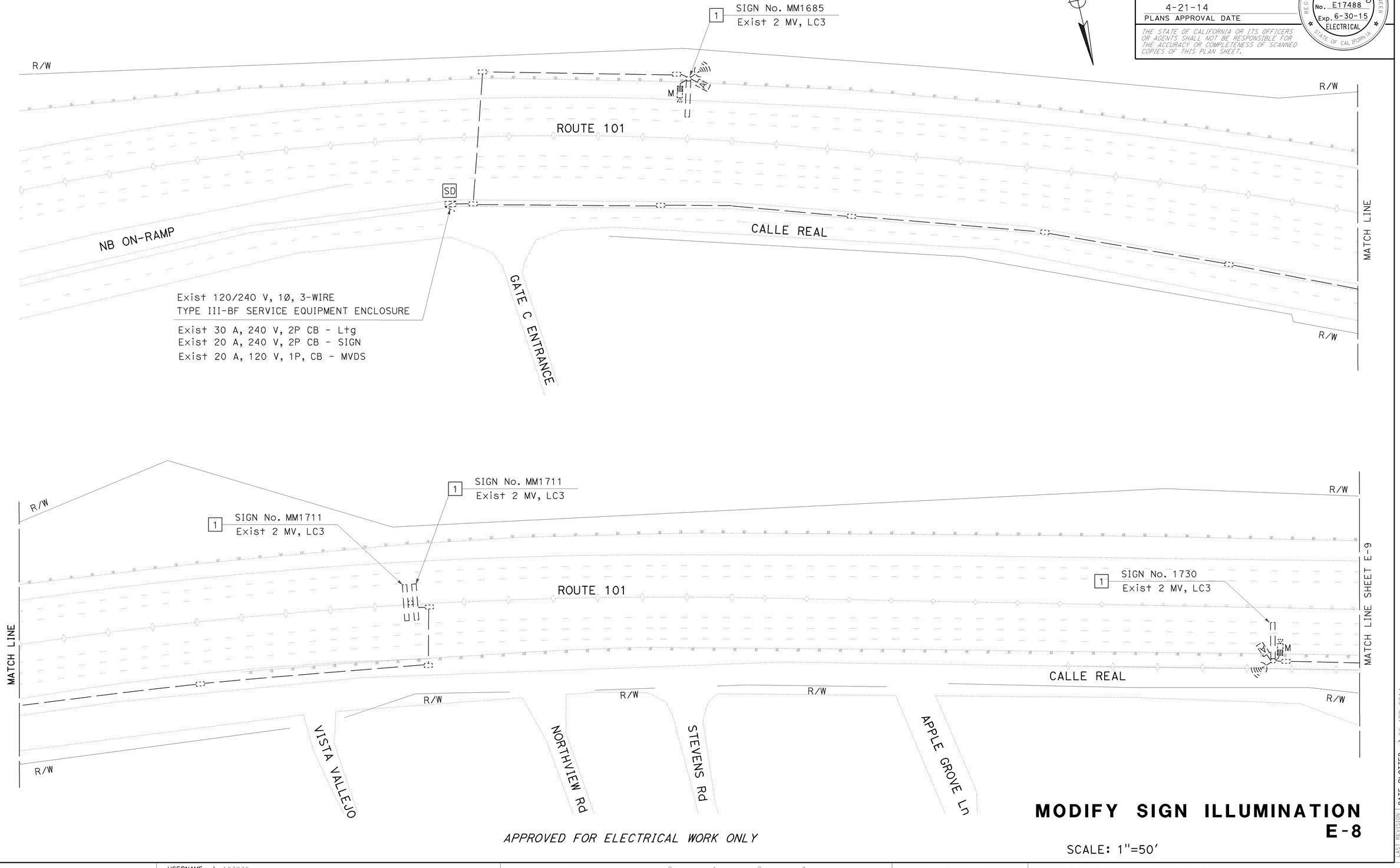

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MODIFY SIGN ILLUMINATION
E-8

SCALE: 1"=50'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR: ALI BAKHDOUD

CALCULATED-DESIGNED BY:
CHECKED BY:
DRAWN BY: XAVIER ALFARO
REVISED BY: DANIEL VO
DATE REVISED:

LAST REVISION
DATE PLOTTED => 30-APR-2014
TIME PLOTTED => 11:19
04-21-14

BORDER LAST REVISED 7/2/2010

USERNAME => s123239
DGN FILE => 0513000085ua008.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1515

PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	58	81

Xavier Alfaro 4-21-14
REGISTERED ELECTRICAL ENGINEER

4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
XAVIER I. ALFARO
No. E17488
Exp. 6-30-15
ELECTRICAL
STATE OF CALIFORNIA

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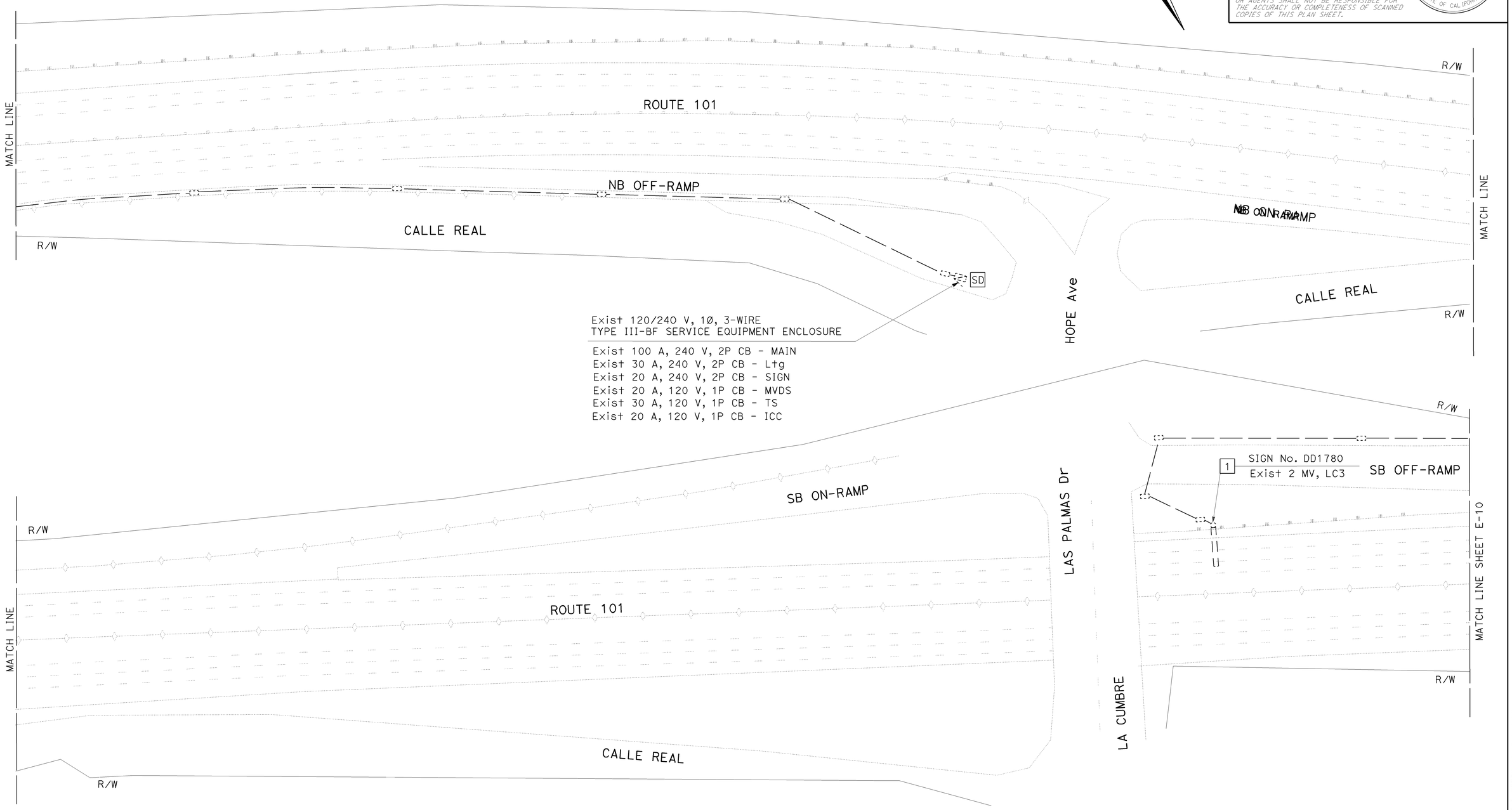

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MODIFY SIGN ILLUMINATION
E-9

SCALE: 1"=50'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR: ALI BAKHDOUD

CALCULATED-DESIGNED BY
CHECKED BY

XAVIER ALFARO
DANIEL VO

REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED => 30-APR-2014
04-21-14 | TIME PLOTTED => 11:19

BORDER LAST REVISED 7/2/2010

USERNAME => s123239
DGN FILE => 0513000085ua009.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1515

PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	59	81

Xavier Alfaro 4-21-14
REGISTERED ELECTRICAL ENGINEER

4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
XAVIER I. ALFARO
No. E17488
Exp. 6-30-15
ELECTRICAL
STATE OF CALIFORNIA

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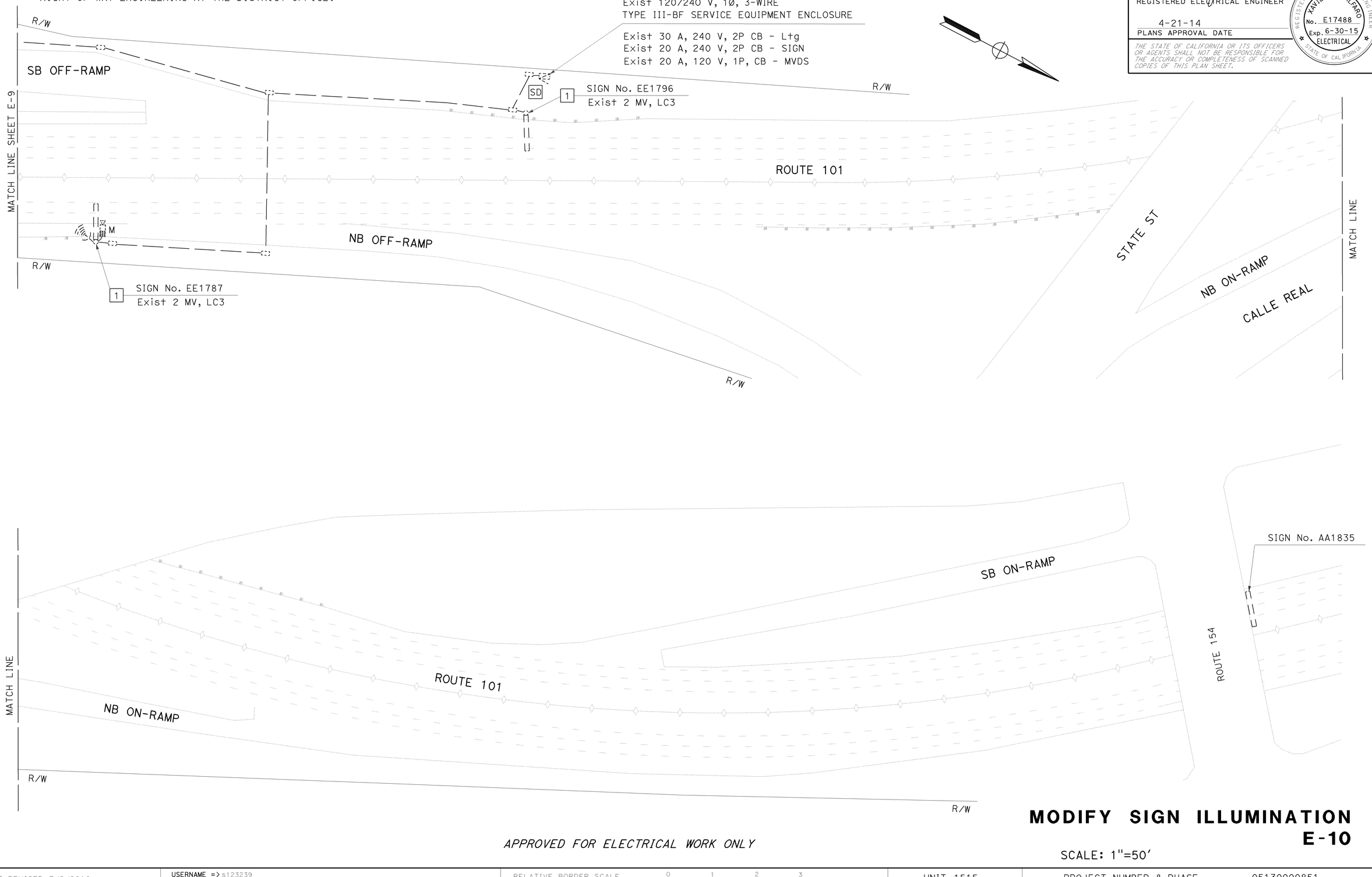

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MODIFY SIGN ILLUMINATION
E-10

SCALE: 1"=50'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR: ALI BAKHDOUD

CALCULATED-DESIGNED BY:
CHECKED BY:
DANIEL VO
XAVIER ALFARO

REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED => 30-APR-2014
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BORDER LAST REVISED 7/2/2010

USERNAME => s123239
DGN FILE => 0513000085ua010.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1515

PROJECT NUMBER & PHASE 05130000851

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	60	81

Xavier Alfaro 4-21-14
REGISTERED ELECTRICAL ENGINEER

4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
XAVIER I. ALFARO
No. E17488
Exp. 6-30-15
ELECTRICAL
STATE OF CALIFORNIA

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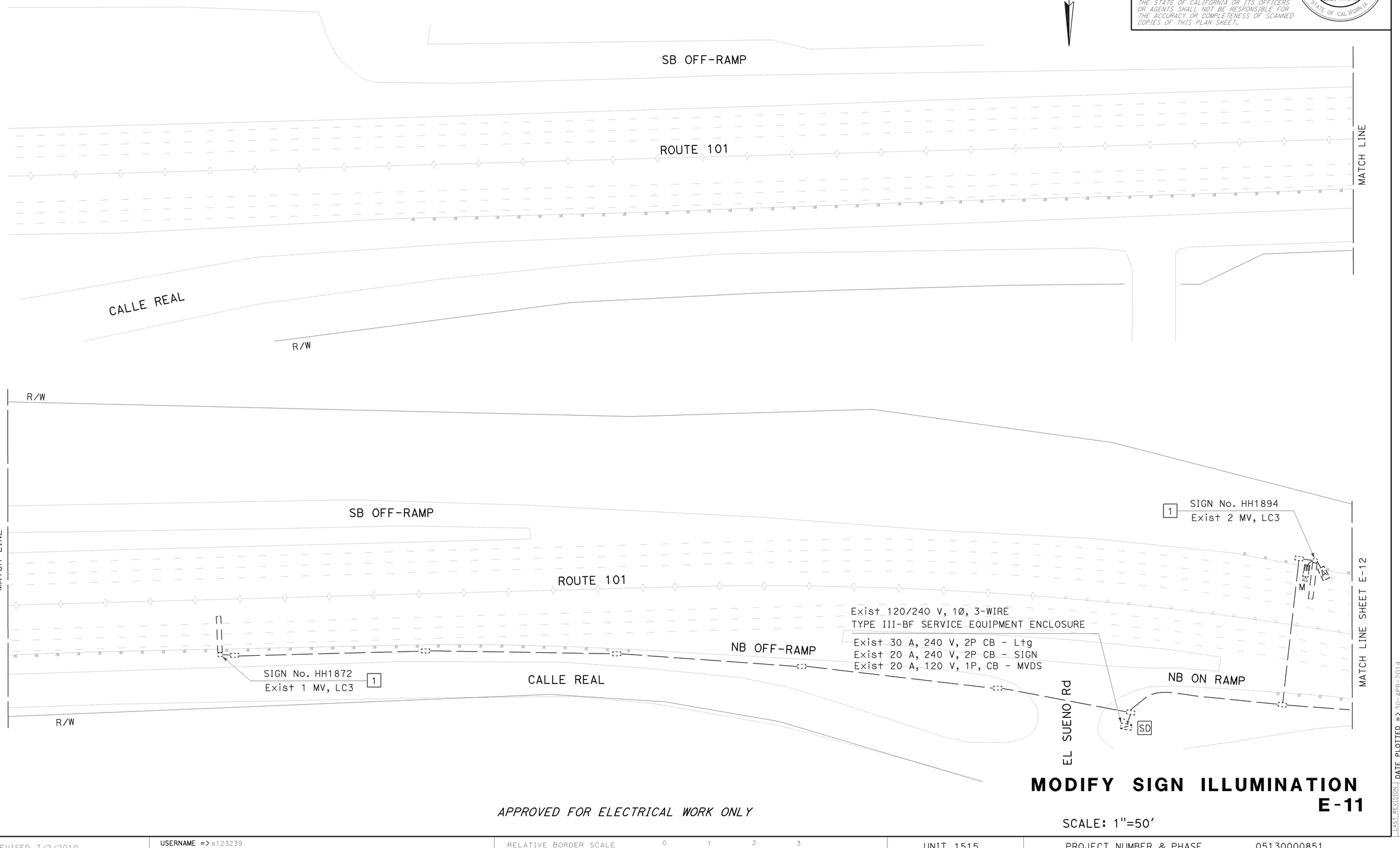

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MODIFY SIGN ILLUMINATION
E-11

SCALE: 1"=50'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR: ALI BAKHDOUD
CALCULATED-DESIGNED BY: XAVIER ALFARO
CHECKED BY: DANIEL VO
REVISED BY
DATE REVISED

LAST REVISION 04-21-14
DATE PLOTTED => 30-APR-2014
TIME PLOTTED => 11:19

BORDER LAST REVISED 7/2/2010
USERNAME => s123239
DGN FILE => 0513000085ua011.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1515
PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	61	81

Xavier Alfaro 4-21-14
REGISTERED ELECTRICAL ENGINEER

4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
XAVIER I. ALFARO
No. E17488
Exp. 6-30-15
ELECTRICAL
STATE OF CALIFORNIA

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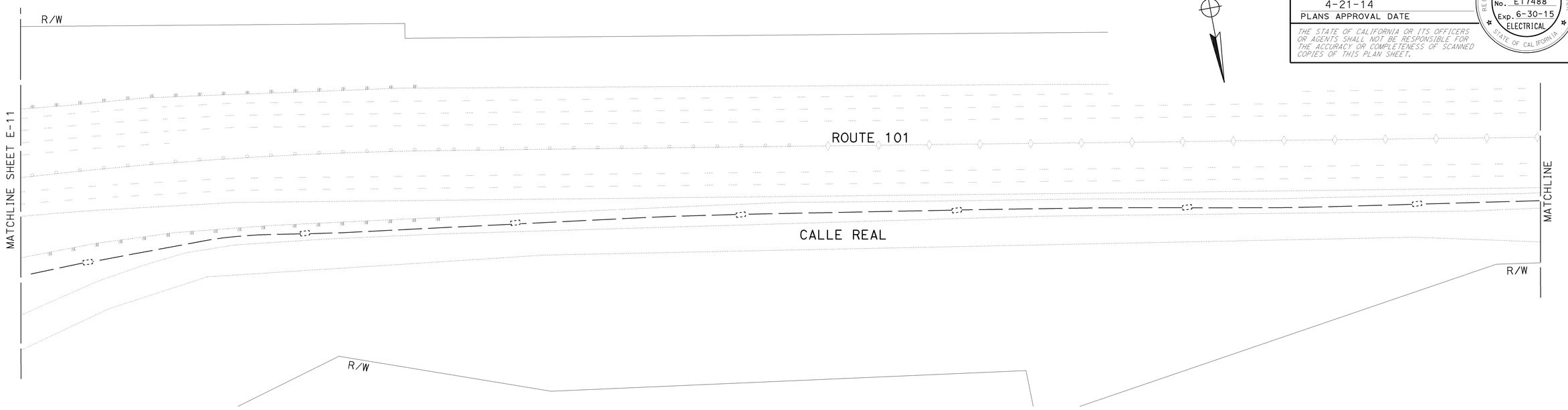

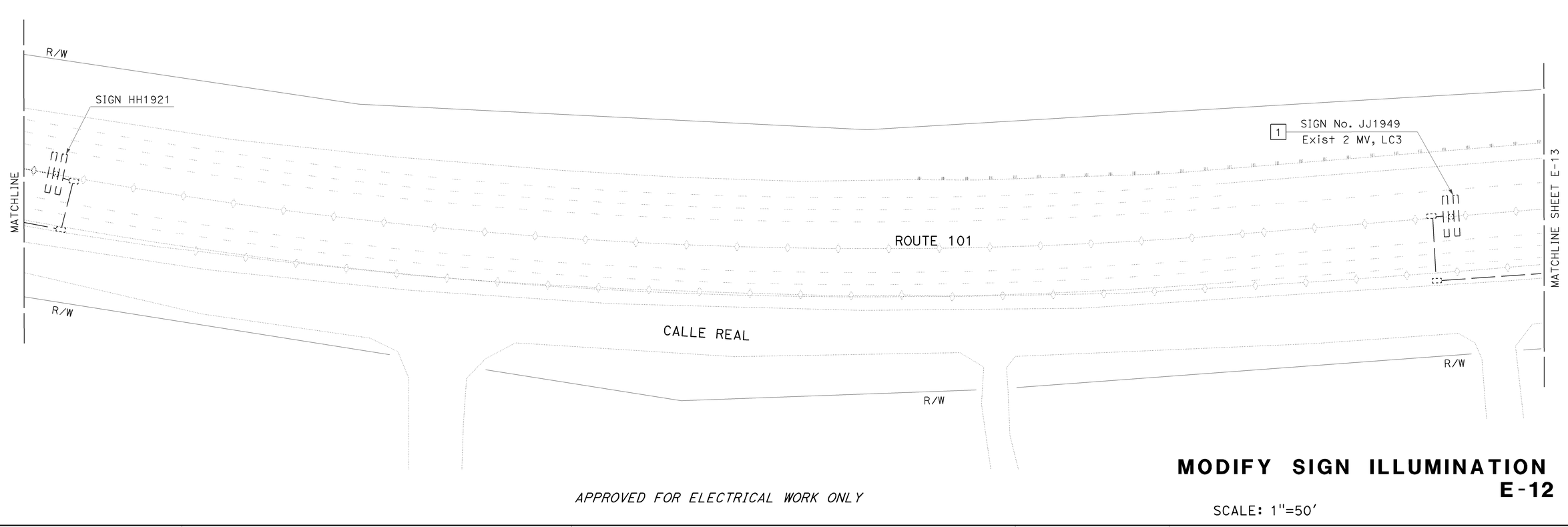

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MODIFY SIGN ILLUMINATION
E-12

SCALE: 1"=50'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR: ALI BAKHDOUD
CALCULATED-DESIGNED BY: XAVIER ALFARO
CHECKED BY: DANIEL VO
REVISED BY
DATE REVISED

LAST REVISION | DATE PLOTTED => 30-APR-2014
04-21-14 | TIME PLOTTED => 11:19

BORDER LAST REVISED 7/2/2010
USERNAME => s123239
DGN FILE => 0513000085ua012.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1515
PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	62	81

Xavier Alfaro 4-21-14
REGISTERED ELECTRICAL ENGINEER

4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
XAVIER I. ALFARO
No. E17488
Exp. 6-30-15
ELECTRICAL
STATE OF CALIFORNIA

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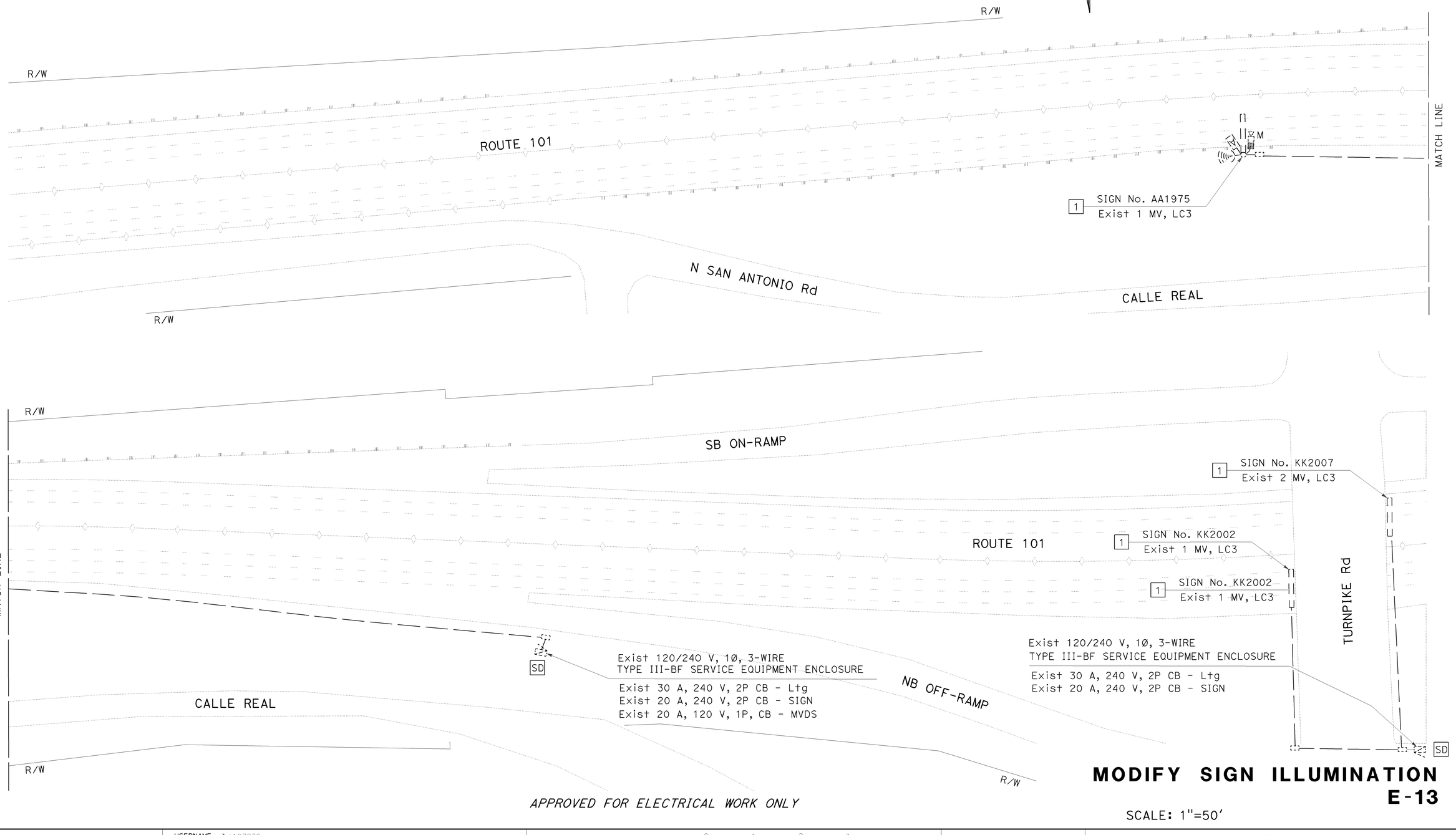

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MODIFY SIGN ILLUMINATION
E-13

SCALE: 1"=50'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR: ALI BAKHDOUD
CALCULATED-DESIGNED BY: XAVIER ALFARO
CHECKED BY: DANIEL VO
REVISED BY
DATE REVISED

LAST REVISION | DATE PLOTTED => 30-APR-2014
04-21-14 | TIME PLOTTED => 11:19

BORDER LAST REVISED 7/2/2010 | USERNAME => s123239 | DGN FILE => 0513000085ua013.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1515 | PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	63	81

Xavier Alfaro 4-21-14
REGISTERED ELECTRICAL ENGINEER

4-21-14
PLANS APPROVAL DATE

XAVIER I. ALFARO No. E17488 Exp. 6-30-15 ELECTRICAL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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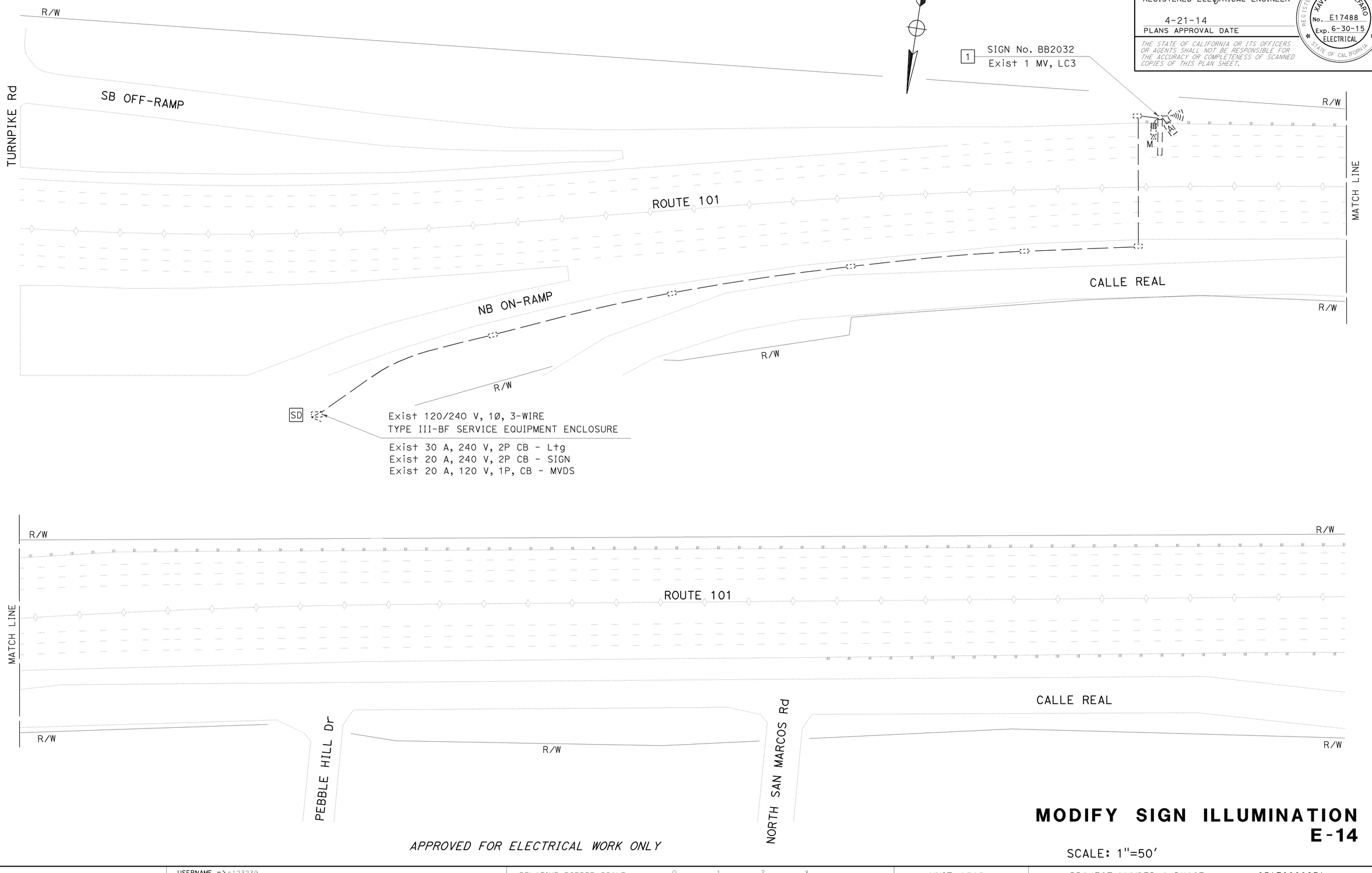

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MODIFY SIGN ILLUMINATION
E-14

SCALE: 1"=50'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL DESIGN

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: XAVIER ALFARO
CHECKED BY: DANIEL VO
FUNCTIONAL SUPERVISOR: ALI BAKHDOUD

LAST REVISION | DATE PLOTTED => 30-APR-2014
04-21-14 | TIME PLOTTED => 11:19

BORDER LAST REVISED 7/2/2010

USERNAME => s123239
DGN FILE => 0513000085ua014.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1515

PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	64	81

Xavier Alfaro 4-21-14
REGISTERED ELECTRICAL ENGINEER

4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
XAVIER I. ALFARO
No. E17488
Exp. 6-30-15
ELECTRICAL
STATE OF CALIFORNIA

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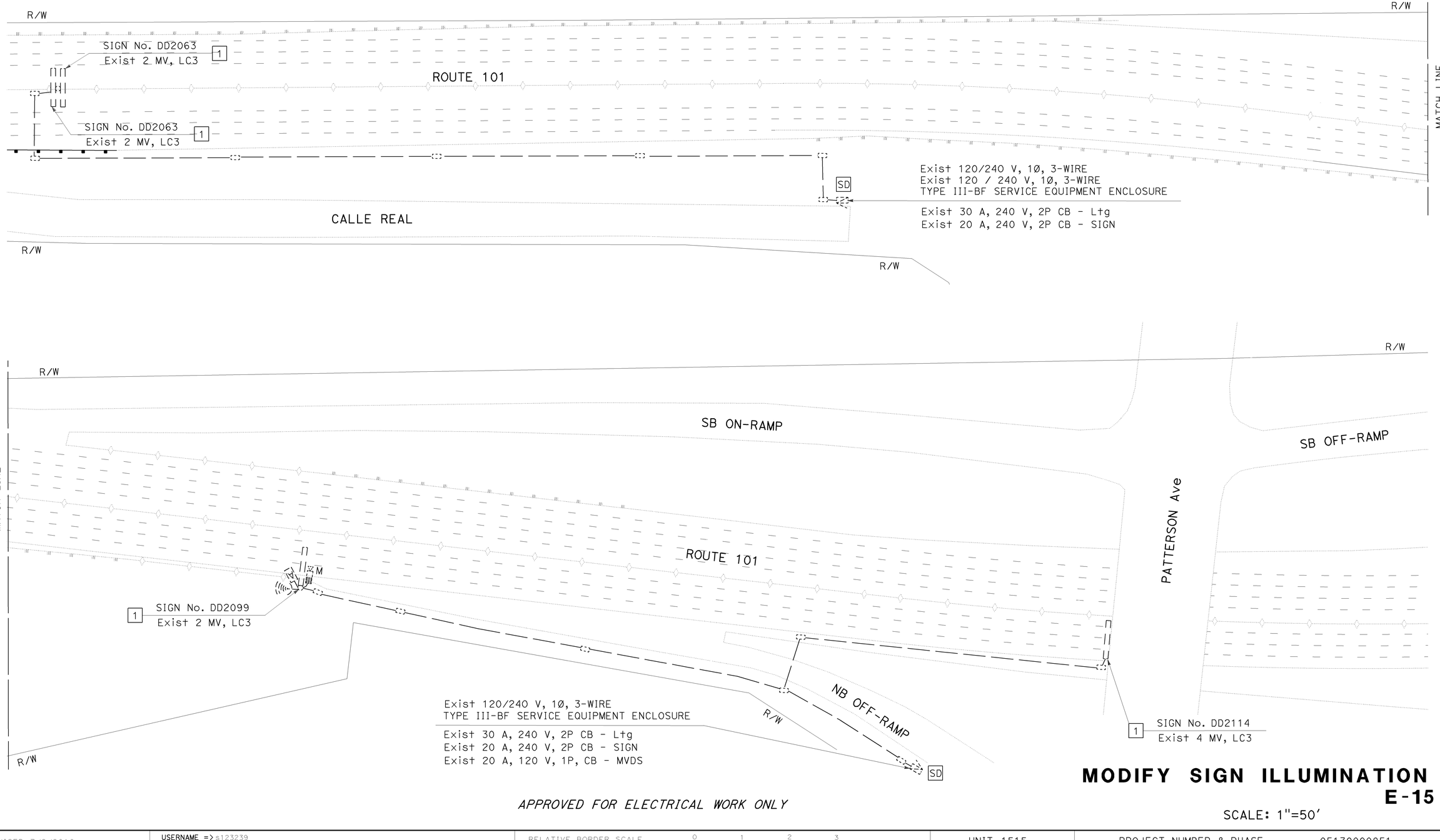

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MODIFY SIGN ILLUMINATION
E-15

SCALE: 1"=50'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL DESIGN

REVISED BY	DATE REVISED

XAVIER ALFARO — DANIEL VO
CALCULATED-DESIGNED BY — CHECKED BY
FUNCTIONAL SUPERVISOR: ALI BAKHDOUD

LAST REVISION | DATE PLOTTED => 30-APR-2014
04-21-14 | TIME PLOTTED => 11:19

BORDER LAST REVISED 7/2/2010 | USERNAME => s123239 | DGN FILE => 0513000085ua015.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1515 | PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	65	81

Xavier Alfaro 4-21-14
REGISTERED ELECTRICAL ENGINEER

4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
XAVIER I. ALFARO
No. E17488
Exp. 6-30-15
ELECTRICAL
STATE OF CALIFORNIA

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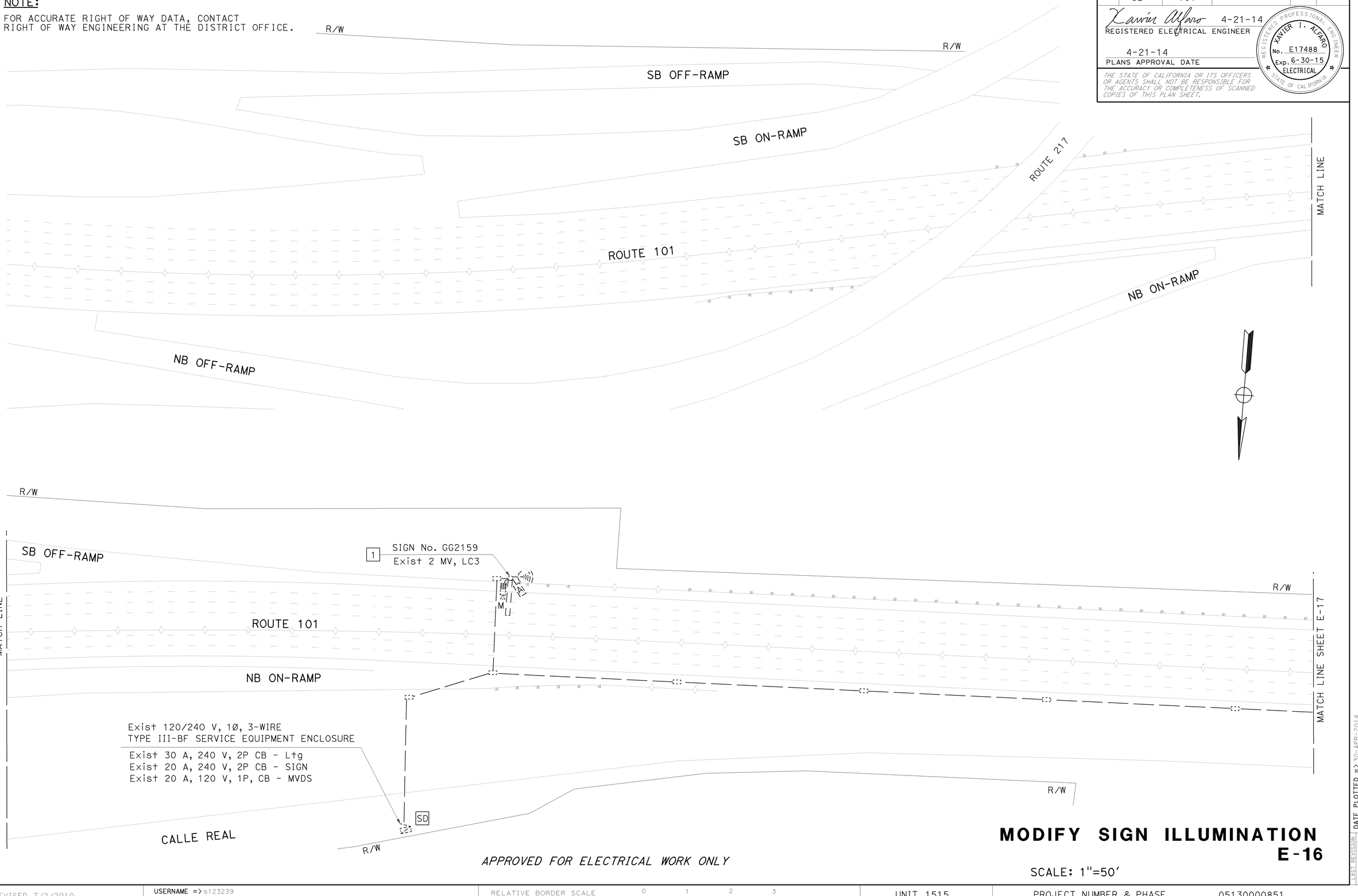

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MODIFY SIGN ILLUMINATION
E-16

SCALE: 1"=50'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR: ALI BAKHDOUD

REVISED BY	DATE REVISED

XAVIER ALFARO — CALCULATED-DESIGNED BY
DANIEL VO — CHECKED BY

LAST REVISION
DATE PLOTTED => 30-APR-2014
TIME PLOTTED => 11:19
04-21-14

BORDER LAST REVISED 7/2/2010

USERNAME => s123239
DGN FILE => 0513000085ua016.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1515

PROJECT NUMBER & PHASE 05130000851

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	66	81

Xavier Alfaro 4-21-14
REGISTERED ELECTRICAL ENGINEER

4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
XAVIER I. ALFARO
No. E17488
Exp. 6-30-15
ELECTRICAL
STATE OF CALIFORNIA

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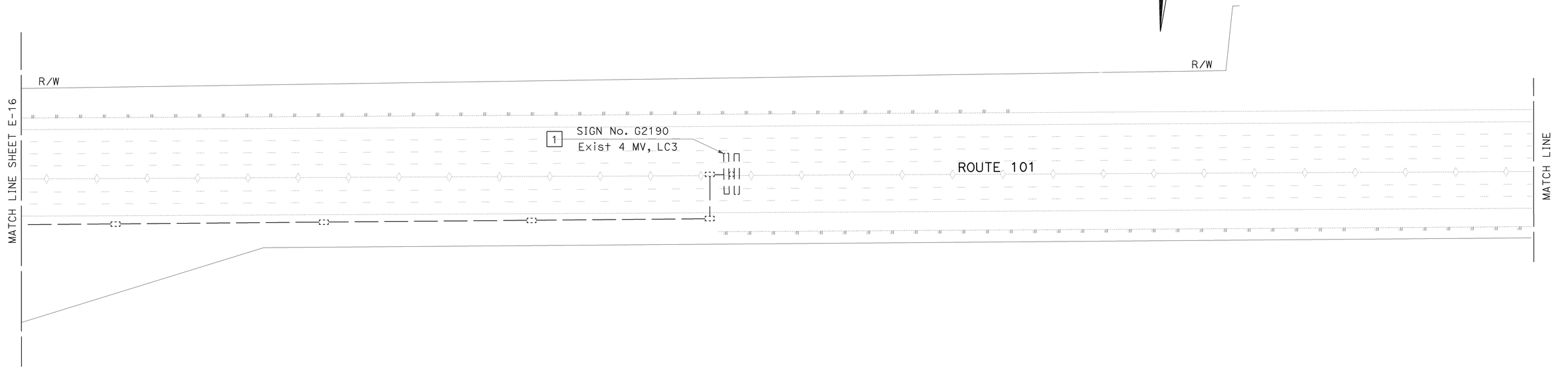

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MODIFY SIGN ILLUMINATION

SCALE: 1"=50'

E-17

REVISED BY | DATE REVISED
XAVIER ALFARO | DANIEL VO
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: ALI BAKHDOUD
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® ELECTRICAL DESIGN

LAST REVISION | DATE PLOTTED => 30-APR-2014
04-21-14 | TIME PLOTTED => 11:19

BORDER LAST REVISED 7/2/2010
USERNAME => s123239
DGN FILE => 0513000085ua017.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1515
PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	67	81

Xavier Alfaro 4-21-14
REGISTERED ELECTRICAL ENGINEER

4-21-14
PLANS APPROVAL DATE

XAVIER I. ALFARO No. E17488 Exp. 6-30-15 ELECTRICAL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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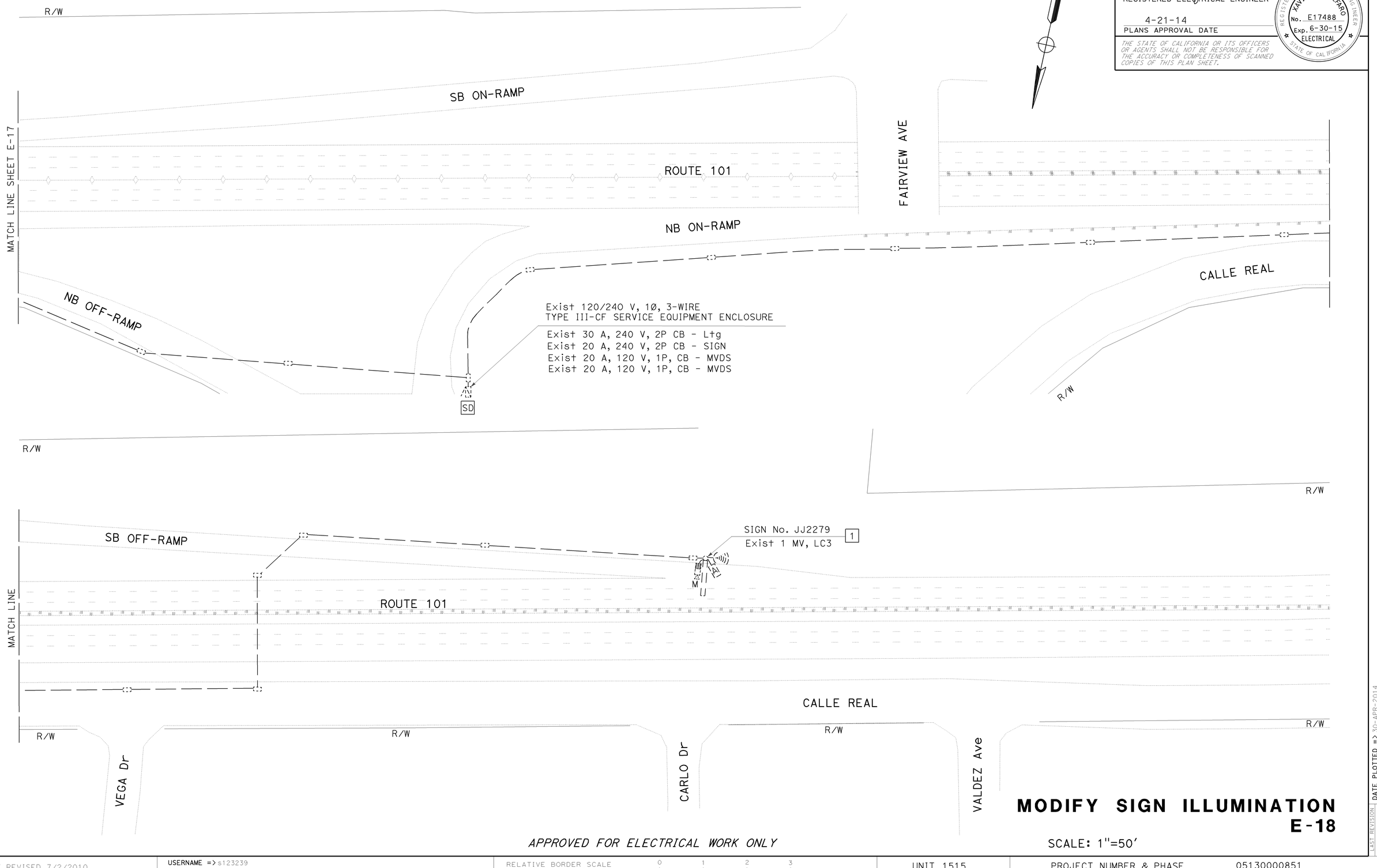

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MODIFY SIGN ILLUMINATION
E-18

SCALE: 1"=50'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR: ALI BAKHDOUD

CALCULATED-DESIGNED BY: XAVIER ALFARO
CHECKED BY: DANIEL VO
REVISED BY
DATE REVISED

LAST REVISION: DATE PLOTTED => 30-APR-2014
04-21-14 TIME PLOTTED => 11:19

BORDER LAST REVISED 7/2/2010

USERNAME => s123239
DGN FILE => 0513000085ua018.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1515

PROJECT NUMBER & PHASE 05130000851

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	68	81

Xavier Alfaro 4-21-14
REGISTERED ELECTRICAL ENGINEER

4-21-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
XAVIER I. ALFARO
No. E17488
Exp. 6-30-15
ELECTRICAL
STATE OF CALIFORNIA

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NOTE:
ITEMS SHOWN IN TABLES ARE NOT A SEPARATE PAY ITEM, FOR FORMATION ONLY.

MODIFY SIGN ILLUMINATION

SHEET No.	INDUCTIVE SIGN LIGHT FIXTURES
	EA
E-1	3
E-2	5
E-5	7
E-6	8
E-7	6
E-8	8
E-9	2
E-10	4
E-11	3
E-12	2
E-13	4
E-14	1
E-15	10
E-16	2
E-17	5
E-18	1

MODIFY LIGHTING AND SIGN ILLUMINATION

SHEET No.	2"C TYPE 3	3"C TYPE 3	No. 8 CONDUCTORS	No. 5 PB	ELECTROLIER STANDARD TYPE 30	ELECTROLIER STANDARD TYPE 31	RC Exist MERCURY VAPOR SIGN LIGHTING FIXTURES	ISL FIXTURES	ELECTROLIER FOUNDATION	165 W LED LUMINAIR	230 W LED LUMINAIR
	FT			EA							
E-3	2300	150	2500	8	8	1	5	5	9	6	5
E-4	1000	0	1200	3	2	1	4	4	3	0	3

ELECTRICAL QUANTITIES
E-19

XAVIER ALFARO — CALCULATED-DESIGNED BY
DANIEL VO — CHECKED BY
REVISED BY / DATE REVISED
FUNCTIONAL SUPERVISOR: ALI BAKHDOUD
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — ELECTRICAL DESIGN

LAST REVISION | DATE PLOTTED => 30-APR-2014
04-21-14 | TIME PLOTTED => 11:19

BORDER LAST REVISED 7/2/2010 | USERNAME => s123239 | DGN FILE => 05130000085ua019.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1515 | PROJECT NUMBER & PHASE 05130000851

M

Maint	MAINTENANCE
Max	MAXIMUM
MB	METAL BEAM
MBB	METAL BEAM BARRIER
MBGR	METAL BEAM GUARD RAILING
Med	MEDIAN
MGS	MIDWEST GUARDRAIL SYSTEM
MH	MANHOLE
Min	MINIMUM
Misc	MISCELLANEOUS
Misc I & S	MISCELLANEOUS IRON AND STEEL
Mkr	MARKER
Mod	MODIFIED, MODIFY
Mon	MONUMENT
MP	METAL PLATE
MPGR	METAL PLATE GUARD RAILING
MR	MOVEMENT RATING
MSE	MECHANICALLY STABILIZED EMBANKMENT
Mt	MOUNTAIN, MOUNT
Mtl	MATERIAL
MVP	MAINTENANCE VEHICLE PULLOUT

N

N	NORTH
NB	NORTHBOUND
No.	NUMBER (MUST HAVE PERIOD)
Nos.	NUMBERS (MUST HAVE PERIOD)
NPS	NOMINAL PIPE SIZE
NS	NEAR SIDE
NSP	NEW STANDARD PLAN
NTS	NOT TO SCALE

O

Oblr	OBLITERATE
OC	OVERCROSSING
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OG	ORIGINAL GROUND
OGAC	OPEN GRADED ASPHALT CONCRETE
OGFC	OPEN GRADED FRICTION COURSE
OH	OVERHEAD
OHWM	ORDINARY HIGH WATER MARK
O-O	OUT TO OUT
Opp	OPPOSITE
OSD	OVERSIDE DRAIN

P

P	PAGE
PAP	PERFORATED ALUMINUM PIPE
PB	PULL BOX
PC	POINT OF CURVATURE, PRECAST
PCC	POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
PCP	PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE
PCVC	POINT OF COMPOUND VERTICAL CURVE
PEC	PERMIT TO ENTER AND CONSTRUCT
Ped	PEDESTRIAN
Ped OC	PEDESTRIAN OVERCROSSING
Ped UC	PEDESTRIAN UNDERCROSSING
Perm Mtl	PERMEABLE MATERIAL

P continued

PG	PROFILE GRADE
PI	POINT OF INTERSECTION
PJP	PARTIAL JOINT PENETRATION
Pkwy	PARKWAY
℄,PL	PLATE
P/L	PROPERTY LINE
PM	POST MILE, TIME FROM NOON TO MIDNIGHT
PN	PAVING NOTCH
POC	POINT OF HORIZONTAL CURVE
POT	POINT OF TANGENT
POVC	POINT OF VERTICAL CURVE
PP	PIPE PILE, PLASTIC PIPE, POWER POLE
PPL	PREFORMED PERMEABLE LINER
PPP	PERFORATED PLASTIC PIPE
PRC	POINT OF REVERSE CURVE
PRF	PAVEMENT REINFORCING FABRIC
PRVC	POINT OF REVERSE VERTICAL CURVE
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES
PS, P/S	PRESTRESSED
PSP	PERFORATED STEEL PIPE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
Pvmt	PAVEMENT

Q

Qty	QUANTITY

R

R	RADIUS
R & D	REMOVE AND DISPOSE
R & S	REMOVE AND SALVAGE
R/C	RATE OF CHANGE
RCA	REINFORCED CONCRETE ARCH
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RCPA	REINFORCED CONCRETE PIPE ARCH
Rd	ROAD
Reinf	REINFORCED, REINFORCEMENT, REINFORCING
Rel	RELOCATE
Repl	REPLACEMENT
Ret	RETAINING
Rev	REVISED, REVISION
Rdwy	ROADWAY
RHMA	RUBBERIZED HOT MIX ASPHALT
Riv	RIVER
RM	ROAD-MIXED
RP	RADIUS POINT, REFERENCE POINT
RR	RAILROAD
RSP	ROCK SLOPE PROTECTION, REVISED STANDARD PLAN
Rt	RIGHT
Rte	ROUTE
RW	REDWOOD, RETAINING WALL
R/W	RIGHT OF WAY
Rwy	RAILWAY

S

S	SOUTH, SUPPLEMENT
SAE	STRUCTURE APPROACH EMBANKMENT
Salv	SALVAGE
SAPP	STRUCTURAL ALUMINUM PLATE PIPE
SB	SOUTHBOUND
SC	SAND CUSHION
SCSP	SLOTTED CORRUGATED STEEL PIPE
SD	STORM DRAIN
Sec	SECOND, SECTION
Sep	SEPARATION
SG	SUBGRADE
Shld	SHOULDER
Sht	SHEET
Sim	SIMILAR
℄	STATION LINE
SM	SELECTED MATERIAL
Spec	SPECIAL, SPECIFICATIONS
SPP	SLOTTED PLASTIC PIPE
SS	SLOPE STAKE
SSBM	STRAP AND SADDLE BRACKET METHOD
SSD	STRUCTURAL SECTION DRAIN
SSPA	STRUCTURAL STEEL PLATE ARCH
SSPP	STRUCTURAL STEEL PLATE PIPE
SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH
SSRP	STEEL SPIRAL RIB PIPE
St	STREET
Sta	STATION
STBB	SINGLE THRIE BEAM BARRIER
Std	STANDARD
Str	STRUCTURE
Surf	SURFACING
SW	SIDEWALK, SOUND WALL
Swr	SEWER
Sym	SYMMETRICAL
S4S	SURFACE 4 SIDES

T

T	SEMI-TANGENT
Tan	TANGENT
TBB	THRIE BEAM BARRIER
Tbr	TIMBER
TC	TOP OF CURB
TCB	TRAFFIC CONTROL BOX
TCE	TEMPORARY CONSTRUCTION EASEMENT
Tel	TELEPHONE
Temp	TEMPORARY
TG	TOP OF GRADE
Tot	TOTAL
TP	TELEPHONE POLE
TPB	TREATED PERMEABLE BASE
TPM	TREATED PERMEABLE MATERIAL
Trans	TRANSITION

T continued

TS	TRANSVERSE, TRAFFIC SIGNAL, TUBULAR STEEL
Typ	TYPICAL

U

UC	UNDERCROSSING
UD	UNDERDRAIN
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UP	UNDERPASS

V

V	VALVE, DESIGN SPEED
Var	VARIABLE, VARIES
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
Vert	VERTICAL
Via	VIADUCT
Vol	VOLUME

W

W	WEST, WIDTH
WB	WESTBOUND
WH	WEEP HOLE
WM	WIRE MESH
WS	WATER SURFACE
WSP	WELDED STEEL PIPE
Wt	WEIGHT
WV	WATER VALVE
WW	WINGWALL
WWLOL	WINGWALL LAYOUT LINE

X

X Sec	CROSS SECTION
Xing	CROSSING

Y

Yr	YEAR
Yrs	YEARS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	69	81

Grace M. Tsushima
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Grace M. Tsushima — No. C49814 — Exp. 9-30-14 — CIVIL — STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED 4-21-14

UNIT OF MEASUREMENT SYMBOLS:

Some of the symbols used in the project plan quantity tables and in the Bid Item List are:

TABLE A

SYMBOL USED	DEFINITIONS
ACRE	ACRE
CF	CUBIC FOOT
CY	CUBIC YARD
EA	EACH
GAL	GALLON
LB	POUND
LF	LINEAR FOOT
SQFT	SQUARE FOOT
SQYD	SQUARE YARD
STA	100 FEET
TAB	TABLET
TON	2,000 POUNDS

Some of the symbols used in the plans other than in the project plan quantity tables are:

TABLE B

SYMBOL USED	DEFINITIONS
ksi	KIPS PER SQUARE INCH
ksf	KIPS PER SQUARE FOOT
psi	POUNDS PER SQUARE INCH
psf	POUNDS PER SQUARE FOOT
lb/ft^3, pcf	POUNDS PER CUBIC FOOT
tsf	TONS PER SQUARE FOOT
mph, MPH *	MILES PER HOUR
ø	NOMINAL DIAMETER
oz	OUNCE
lb	POUND
kip	1,000 POUNDS
cal	CALORIE
ft	FOOT OR FEET
gal	GALLON

* For use on a sign panel only

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ABBREVIATIONS (SHEET 2 OF 2)

NO SCALE

RSP A10B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN A10B DATED MAY 20, 2011 - PAGE 2 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A10B

2010 REVISED STANDARD PLAN RSP A10B

6-7-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	70	81

Gregory A. Balzer
LICENSED LANDSCAPE ARCHITECT

July 19, 2013
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
Gregory A. Balzer 2015
10-31-14
Renewal Date
2-28-15
Renewal Date
7-19-13
Date
STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED 4-21-14

A

AB	AGGREGATE BASE
ABS	ACRYLONITRILE-BUTADIENE-STYRENE
AC	ASPHALT CONCRETE
ACC	ARMOR-CLAD CONDUCTORS
Adj	ADJACENT/ADJUSTABLE
AIC	AUXILIARY IRRIGATION CONTROLLER
Alt	ALTERNATIVE
AMEND	AMENDMENT
ARV	AIR RELEASE VALVE
AUTO	AUTOMATIC
AUX	AUXILIARY
AVB	ATMOSPHERIC VACUUM BREAKER

B

B&B	BALLED AND BURLAPPED
B/B	BRASS/BRONZE
B/B/PL	BRASS/BRONZE/PLASTIC
B/PL	BRASS/PLASTIC
BFM	BONDED FIBER MATRIX
Bit Ctd	BITUMINOUS COATED
BP	BOOSTER PUMP
BPA	BACKFLOW PREVENTER ASSEMBLY
BPE	BACKFLOW PREVENTER ENCLOSURE
BV	BALL VALVE

C

C	CONDUIT
CAP	CORRUGATED ALUMINUM PIPE
CARV	COMBINATION AIR RELEASE VALVE
CB	COUPLING BAND
CCA	CAM COUPLER ASSEMBLY
CEC	CONTROLLER ENCLOSURE CABINET
CHDPE	CORRUGATED HIGH DENSITY POLYETHYLENE
CL	CHAIN LINK
CNC	CONTROL AND NEUTRAL CONDUCTORS
Conc	CONCRETE
CP	COPPER PIPE
CS	COMPOST SOCK
CSP	CORRUGATED STEEL PIPE
CST	CENTER STRIP
CV	CHECK VALVE

D

Dia	DIAMETER
DIP	DUCTILE IRON PIPE
DIT	DRIP IRRIGATION TUBING
DG	DECOMPOSED GRANITE
DN	DIAMETER NOMINAL
DVA	DRIP VALVE ASSEMBLY

E

EC	EROSION CONTROL
ECTC	EROSION CONTROL TECHNOLOGY COUNCIL
Elect	ELECTRIC/ELECTRICAL
Elev	ELEVATION
ELL	ELBOW
ENCL	ENCLOSURE
EP	EDGE OF PAVEMENT
ES	EDGE OF SHOULDER
EST	END STRIP
ESTB	ESTABLISHMENT
ETW	EDGE OF TRAVELED WAY

F

F	FULL CIRCLE
F/P	FULL/PART CIRCLE
FCV	FLOW CONTROL VALVE
FERT	FERTILIZER
FG	FINISHED GRADE
FH	FLEXIBLE HOSE
FIPT	FEMALE IRON PIPE THREAD
FIS	FERTILIZER INJECTOR SYSTEM
FL	FLOW LINE
FR	FIBER ROLL
FS	FLOW SENSOR
FSC	FLOW SENSOR CABLE
FV	FLUSH VALVE

G

Galv	GALVANIZED
GARV	GARDEN VALVE
GARVA	GARDEN VALVE ASSEMBLY
GM	GRAVEL MULCH
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GSP	GALVANIZED STEEL PIPE
GV	GATE VALVE

H

H	HALF CIRCLE
HDPE	HIGH DENSITY POLYETHYLENE
HP	HORSEPOWER/HINGE POINT
HPL	HIGH PRESSURE LINE
Hwy	HIGHWAY

I

IC	IRRIGATION CONTROLLER
ICC	IRRIGATION CONTROLLER(S) IN CONTROLLER ENCLOSURE CABINET
ID	INSIDE DIAMETER
IFS	IRRIGATION FILTRATION SYSTEM
IPS	IRON PIPE SIZE
IPT	IRON PIPE THREAD
Irr	IRRIGATION

L

L	LENGTH

M

Max	MAXIMUM
MBGR	METAL BEAM GUARD RAILING
MCV	MANUAL CONTROL VALVE
MIC	MASTER IRRIGATION CONTROLLER
Min	MINIMUM
MIPT	MALE IRON PIPE THREAD
Misc	MISCELLANEOUS
Mtl	MATERIAL
MVP	MAINTENANCE VEHICLE PULLOUT

N

NCN	NO COMMON NAME
NL	NOZZLE LINE
No.	NUMBER
NPT	NATIONAL PIPE THREAD

O

O/C	ON CENTER
OD	OUTSIDE DIAMETER
OL	OVERLAP

P

P	PART CIRCLE
PB	PULL BOX
PCC	PORTLAND CEMENT CONCRETE
PE	POLYETHYLENE
Pkt	PACKET
PL	PLASTIC
PLS	PURE LIVE SEED
PLT	PLANT/PLANTING
PLT ESTB	PLANT ESTABLISHMENT
PM	POST MILE
PR	PRESSURE RATED
PRLV	PRESSURE RELIEF VALVE
PRV	PRESSURE REGULATING VALVE
PVC	POLYVINYL CHLORIDE
Pvmt	PAVEMENT

Q

Q	QUARTER CIRCLE
QCV	QUICK COUPLING VALVE

NOTE:
For additional abbreviations, see Standard Plans A10A and A10B.

R

R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RCV	REMOTE CONTROL VALVE
RCVM	REMOTE CONTROL VALVE (MASTER)
RCVMF	REMOTE CONTROL VALVE (MASTER) W/FLOW SENSOR
RCVP	REMOTE CONTROL VALVE W/PRESSURE REGULATOR
RCW	RECYCLED WATER
RECP	ROLLED EROSION CONTROL PRODUCT
REQ	REQUIRED
RICS	REMOTE IRRIGATION CONTROL SYSTEM
R/W	RIGHT OF WAY

S

S	SLIP
SCH	SCHEDULE
SF	STATE-FURNISHED
Shld	SHOULDER
Sq	SQUARE
SST	SIDE STRIP
Sta	STATION
Std	STANDARD
SW	SIDEWALK/SOUND WALL

T

T	THIRD CIRCLE/THREAD
TLS	TRUCK LOADING STANDPIPE
TQ	THREE QUARTER CIRCLE
TRM	TURF REINFORCEMENT MAT
TT	TWO-THIRDS CIRCLE
TWSA	TREE WELL SPRINKLER ASSEMBLY
Typ	TYPICAL

U

UG	UNDERGROUND

W

W	WIDTH
W/	WITH
WM	WATER METER
WS	WYE STRAINER
WSA	WYE STRAINER ASSEMBLY
WSP	WELDED STEEL PIPE
WWM	WELDED WIRE MESH

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

LANDSCAPE AND EROSION CONTROL ABBREVIATIONS

NO SCALE

RSP H1 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H1
DATED MAY 20, 2011 - PAGE 218 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP H1

2010 REVISED STANDARD PLAN RSP H1

6-28-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	71	81

Gregory A. Balzer
LICENSED LANDSCAPE ARCHITECT

November 15, 2013
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
Gregory A. Balzer 2576
Signature
2-28-15
Renewal Date
11-15-13
Date
STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED 4-21-14

EXISTING	NEW	ITEM DESCRIPTION
		WATER METER (WM)
		BACKFLOW PREVENTER ASSEMBLY (BPA)
		BACKFLOW PREVENTER ENCLOSURE (BPE)
		BOOSTER PUMP (BP)
		TRUCK LOADING STANDPIPE (TLS)
FS	FS	FLOW SENSOR (FS)
X		MASTER IRRIGATION CONTROLLER (MIC)
		AUXILIARY IRRIGATION CONTROLLER (AIC)
		IRRIGATION CONTROLLER (IC) IRRIGATION CONTROLLER (IC) (BATTERY) IRRIGATION CONTROLLER (IC) (SOLAR) IRRIGATION CONTROLLER (IC) (TWO WIRE) IRRIGATION CONTROLLER(S) IN CONTROLLER ENCLOSURE CABINET (ICC)
acc	ACC	ARMOR-CLAD CONDUCTORS (ACC)
cnc	CNC	CONTROL AND NEUTRAL CONDUCTORS (CNC)
		IRRIGATION CONDUIT
		EXTEND IRRIGATION CONDUIT
dip	DIP	DUCTILE IRON PIPE (SUPPLY LINE) (MAIN) (DIP)
		GALVANIZED STEEL PIPE (SUPPLY LINE) (MAIN) (GSP)
		GALVANIZED STEEL PIPE (SUPPLY LINE) (LATERAL) (GSP)
		PLASTIC PIPE (SUPPLY LINE) (MAIN)
		PLASTIC PIPE (SUPPLY LINE) (LATERAL)
cp	CP	COPPER PIPE (SUPPLY LINE)
dit	DIT	DRIP IRRIGATION TUBING
		REMOTE CONTROL VALVE (RCV) REMOTE CONTROL VALVE (MASTER) (RCVM) REMOTE CONTROL VALVE (MASTER) W/FLOW METER (RCVMF)
P	P	REMOTE CONTROL VALVE W/PRESSURE REGULATOR (RCVP)
		EXISTING MANUAL CONTROL VALVE (MCV)
		DRIP VALVE ASSEMBLY (DVA)
		WYE STRAINER ASSEMBLY (WSA)

EXISTING	NEW	ITEM DESCRIPTION
		GATE VALVE (GV)
		BALL VALVE (BV)
		QUICK COUPLING VALVE (QCV)
		CAM COUPLER ASSEMBLY (CCA)
		GARDEN VALVE ASSEMBLY (GARVA)
		PRESSURE REGULATING VALVE (PRV)
		PRESSURE RELIEF VALVE (PRLV)
		FLOW CONTROL VALVE (FCV)
		COMBINATION AIR RELEASE VALVE (CARV)
		CHECK VALVE (CV)
		FLUSH VALVE (FV)
		EXISTING NOZZLE LINE W/TURNING UNION
		EXISTING IRRIGATION SYSTEM
		EXISTING IRRIGATION SYSTEM TO BE REMOVED
		CHAIN LINK GATE
		QUICK COUPLING VALVE W/SPRINKLER PROTECTOR
3	3	SPRINKLER W/SPRINKLER PROTECTOR
	C	CONNECT TO EXISTING SYSTEM
		CAP
		CAP EXISTING
	\\\FR\\\	FIBER ROLL
	\\\CS\\\	COMPOST SOCK

RCV SIZE
IRRIGATION CONTROLLER
CONTROLLER STATION
VALVE IN PARALLEL (IF APPLICABLE)
GPM
QUANTITY OF SPRINKLERS (WHEN SHOWN)

* 2½"-A-2b-40-60

VALVE CODE

* VALVE CODES FOR EXISTING VALVES ARE SHOWN IN A DASHED ENCLOSURE.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

LANDSCAPE AND EROSION CONTROL SYMBOLS

NO SCALE

RSP H2 DATED NOVEMBER 15, 2013 SUPERSEDES RSP H2 DATED JULY 19, 2013 AND STANDARD PLAN H2 DATED MAY 20, 2011 - PAGE 219 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP H2

2010 REVISED STANDARD PLAN RSP H2

10-9-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	72	81

REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

Gurinderpal Bhullar
No. C48815
Exp. 9-30-14
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED 4-21-14

TABLE 1

TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING

SPEED (S)	MINIMUM TAPER LENGTH * FOR WIDTH OF OFFSET 12 FEET (W)				MAXIMUM CHANNELIZING DEVICE SPACING		
					X	Y	Z **
	TANGENT 2L	MERGING L	SHIFTING L/2	SHOULDER L/3	TAPER	TANGENT	CONFLICT
mph	ft	ft	ft	ft	ft	ft	ft
20	160	80	40	27	20	40	10
25	250	125	63	42	25	50	12
30	360	180	90	60	30	60	15
35	490	245	123	82	35	70	17
40	640	320	160	107	40	80	20
45	1080	540	270	180	45	90	22
50	1200	600	300	200	50	100	25
55	1320	660	330	220	55	110	27
60	1440	720	360	240	60	120	30
65	1560	780	390	260	65	130	32
70	1680	840	420	280	70	140	35

* - For other offsets, use the following merging taper length formula for L:
For speed of 40 mph or less, $L = WS^2/60$
For speed of 45 mph or more, $L = WS$

Where: L = Taper length in feet
W = Width of offset in feet
S = Posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

** - Use for taper and tangent sections where there are no pavement markings or where there is a conflict between existing pavement markings and channelizers (CA).

TABLE 2

LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING

SPEED *	Min D **	DOWNGRADE Min D ***		
		-3%	-6%	-9%
mph	ft	ft	ft	ft
20	115	116	120	126
25	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	686
65	645	682	728	785
70	730	771	825	891

* - Speed is posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

** - Longitudinal buffer space or flagger station spacing

*** - Use on sustained downgrade steeper than -3 percent and longer than 1 mile.

TABLE 3

ADVANCE WARNING SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS *		
	A	B	C
	ft	ft	ft
URBAN - 25 mph OR LESS	100	100	100
URBAN - MORE THAN 25 mph TO 40 mph	250	250	250
URBAN - MORE THAN 40 mph	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1000	1500	2640

* - The distances are approximate, are intended for guidance purposes only, and should be applied with engineering judgment. These distances should be adjusted by the Engineer for field conditions, if necessary, by increasing or decreasing the recommmended distances.

2010 REVISED STANDARD PLAN RSP T9

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM TABLES FOR LANE AND RAMP CLOSURES

NO SCALE

RSP T9 DATED JULY 19, 2013 SUPERSEDES RSP T9 DATED APRIL 19, 2013 THAT SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T9

4-30-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	73	81

TO ACCOMPANY PLANS DATED 4-21-14

REGISTERED CIVIL ENGINEER

April 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Gurinderpal Bhullar
No. C48815
Exp. 9-30-14
CIVIL
STATE OF CALIFORNIA

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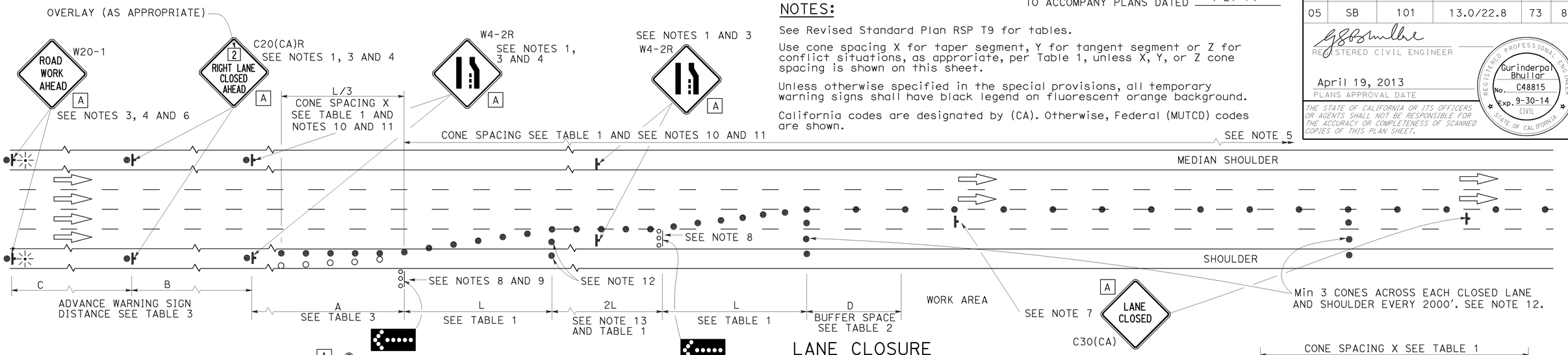
NOTES:

See Revised Standard Plan RSP T9 for tables.

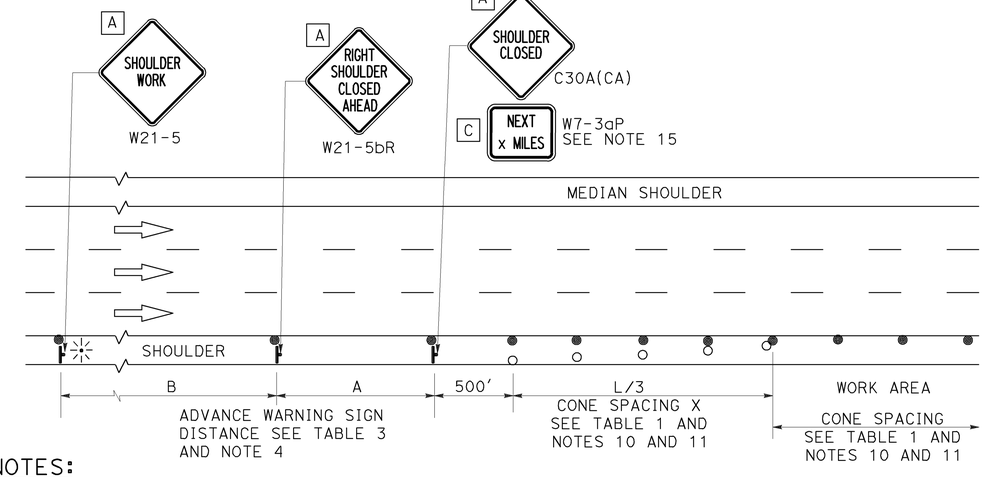
Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as approriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

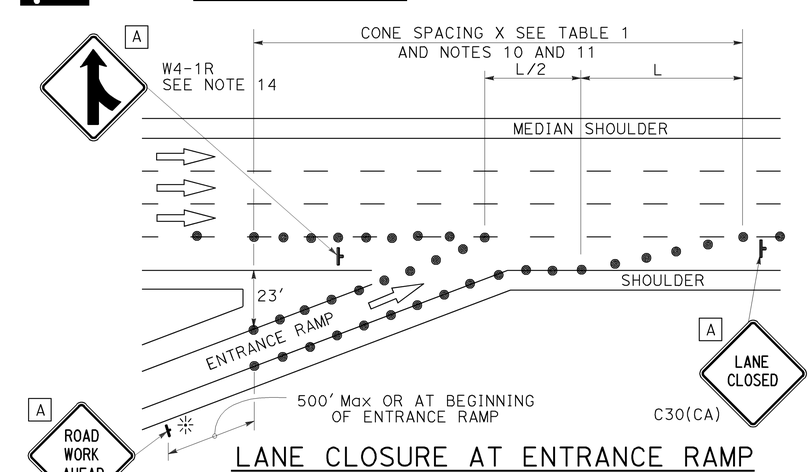
Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.

California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

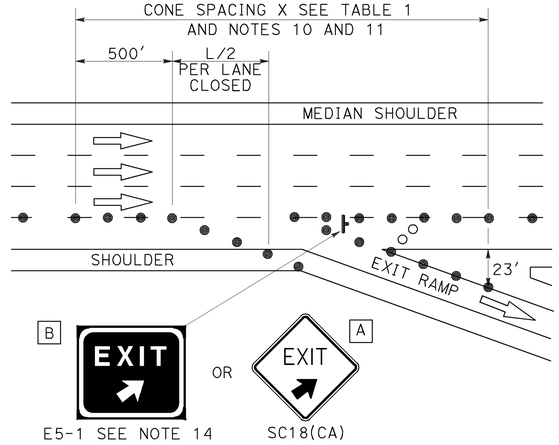


LANE CLOSURE





LANE CLOSURE AT ENTRANCE RAMP



LANE CLOSURE AT EXIT RAMP

NOTES:

1. Median lane closures shall conform to the details as shown except that C20(CA)L and W4-2L signs shall be used.
2. At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closures.
3. Duplicate sign installations are not required:
   a) On opposite shoulder if at least one-half of the available lanes remain open to traffic.
   b) In the median if the width of the median shoulder is less than 8' and the outside lanes are to be closed.
4. Each advance warning sign on each side of the roadway shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
5. A G20-2 "END ROAD WORK" sign, with minimum size of 48" x 24" as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious or ends within a larger project's limits.

SHOULDER CLOSURE

6. If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a C20(CA) sign for the first advance warning sign.
7. Place a C30(CA) sign every 2000' throughout length of lane closure.
8. One flashing arrow sign for each lane closed. The flashing arrow signs shall be Type I.
9. A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at top of crest vertical curve or on a horizontal curve.
10. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
11. Portable delineators, placed at one-half the spacing indicated for traffic cones may be used instead of cones for daytime closures only.
12. Unless otherwise specified in the special provisions, a minimum of 3 cones shall be placed transversely across each closed lane and shoulder at each location where a taper across a traffic lane ends and every 2000' as shown on the "Lane Closure" detail. Two Type II barricades may be used instead of the 3 cones. The transverse alignment of the cones or barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
13. Unless otherwise specified in the special provisions, the 2L tangent shown along lane lines shall be used between the L tapers required for each closed traffic lane.
14. Unless otherwise specified in the special provisions, the E5-1 or SC18(CA) and W4-1 signs shall be used as shown.
15. A W7-3aP "NEXT___MILES" plaque must be used if theshoulder closure extends beyond the distance that can be perceived by road users.

LEGEND

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL TAPER)
- TEMPORARY TRAFFIC CONTROL SIGN
- FLASHING ARROW SIGN (FAS)
- FAS SUPPORT OR TRAILER
- PORTABLE FLASHING BEACON

SIGN PANEL SIZE (Min)

A	48" x 48"
B	72" x 60"
C	36" x 30"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON FREEWAYS AND EXPRESSWAYS

NO SCALE

RSP T10 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T10 DATED MAY 20, 2011 - PAGE 237 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T10

2010 REVISED STANDARD PLAN RSP T10

12-18-12

TO ACCOMPANY PLANS DATED 4-21-14

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	74	81

REGISTERED CIVIL ENGINEER

April 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Gurinderpal Bhullar — No. C48815 — Exp. 9-30-14 CIVIL — STATE OF CALIFORNIA

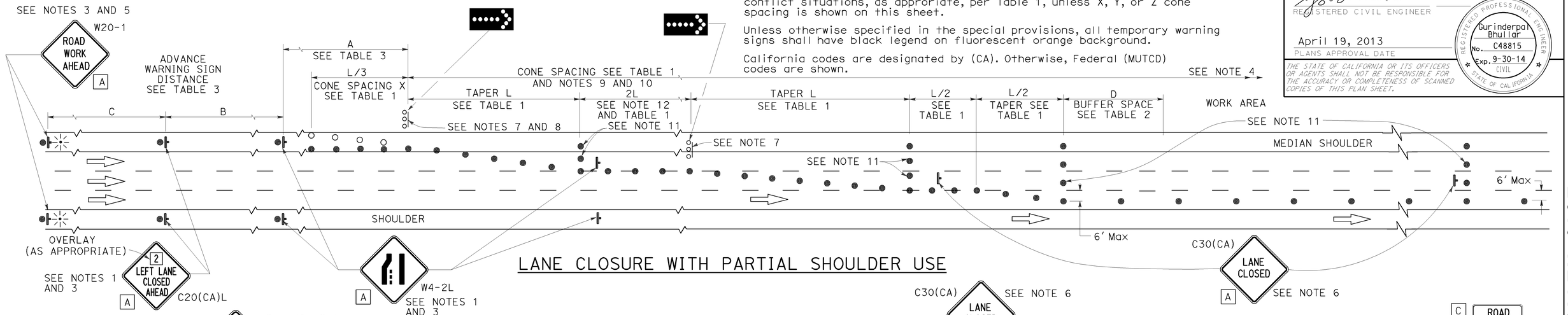
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES: See Revised Standard Plan RSP T9 for tables.

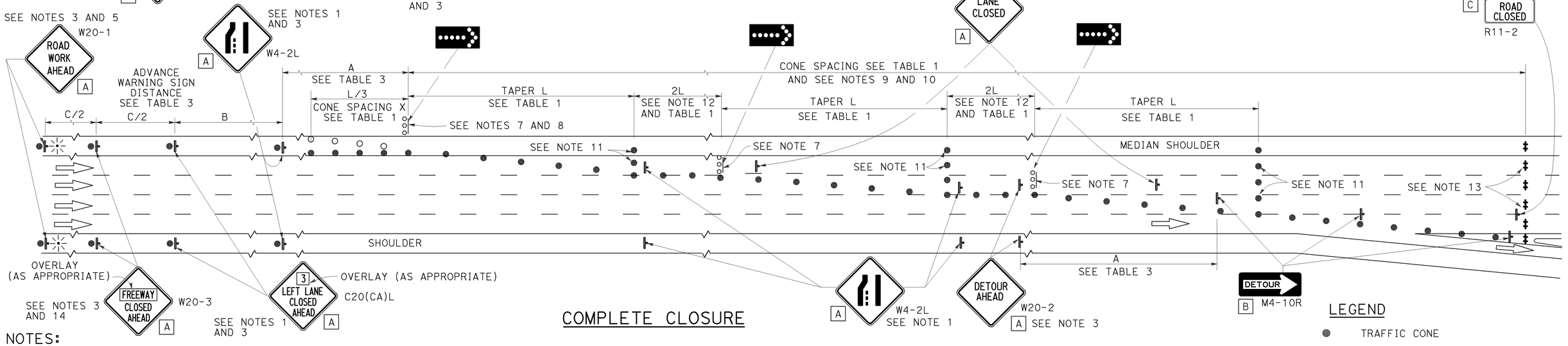
Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as approriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.

California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.



LANE CLOSURE WITH PARTIAL SHOULDER USE



COMPLETE CLOSURE

NOTES:

1. Lane closures on the right side using partial median shoulder as a traffic lane shall conform to the details as shown except that C20(CA)R and W4-2R signs shall be used.
2. At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closures.
3. Each advance warning sign on each side of the roadway shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" X 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
4. A G20-2 "END ROAD WORK" sign, with minimum size of 48" x 24" as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious or ends within a larger project's limits.
5. If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT ___ MILES", use a C20(CA) sign for the first advance warning sign.
6. Place a C30(CA) sign every 2000' throughout length of lane closure.
7. One flashing arrow sign for each lane closed. The flashing arrow signs shall be Type I.
8. A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at the top of crest vertical curve or on a horizontal curve.
9. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
10. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
11. Unless otherwise specified in the special provisions, a minimum of 3 cones shall be placed transversely across each closed lane and shoulder at each location where a taper across a traffic lane ends and every 2000' as shown on the "Lane Closure With Partial Shoulder Use" detail. Two Type II barricades may be used instead of the 3 cones. The transverse alignment of the cones or barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
12. Unless otherwise specified in the special provisions, the 2L tangent shown along lane lines shall be used between the L tapers required for each closed traffic lane.
13. A minimum of Two Type II or III barricades shall be placed across each closed lane and shoulder at the location shown and every 2000' within the complete closure area. Within the complete closure area, the transverse alignment of the barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
14. When specified in the special provisions, a W20-2 "DETOUR AHEAD" sign is to be used in place of the W20-3 "FREEWAY CLOSED AHEAD" sign.

SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 48" x 18"
- C 48" x 30"

LEGEND

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL TAPER)
- TEMPORARY TRAFFIC CONTROL SIGN
- FLASHING ARROW SIGN (FAS)
- FAS SUPPORT OR TRAILER
- PORTABLE FLASHING BEACON

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURES ON FREEWAYS AND EXPRESSWAYS

NO SCALE

RSP T10A DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T10A DATED MAY 20, 2011 - PAGE 238 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T10A

2010 REVISED STANDARD PLAN RSP T10A

12-18-12

LEGEND:

AB	ABANDON. IF APPLIED TO CONDUIT, REMOVE CONDUCTORS
BC	INSTALL PULL BOX IN EXISTING CONDUIT RUN
BP	PEDESTRIAN BARRICADE, TYPE AS INDICATED ON PLAN
CB	INSTALL CONDUIT INTO EXISTING PULL BOX
CC	CONNECT NEW AND EXISTING CONDUIT. REMOVE EXISTING CONDUCTORS AND INSTALL CONDUCTORS AS INDICATED
CF	CONDUIT TO REMAIN FOR FUTURE USE. REMOVE CONDUCTORS. INSTALL PULL TAPE
DH	DETECTOR HANDHOLE
FA	FOUNDATION TO BE ABANDONED
IS	INSTALL SIGN ON SIGNAL MAST ARM
NS	NO SLIP BASE ON STANDARD
PEC	PHOTOELECTRIC CONTROL
PEU	PHOTOELECTRIC UNIT
RC	EQUIPMENT OR MATERIAL TO BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR
RE	REMOVE ELECTROLIER, FUSES AND BALLAST. TAPE ENDS OF CONDUCTORS
RL	RELOCATE EQUIPMENT
RR	REMOVE AND REUSE EQUIPMENT
RS	REMOVE AND SALVAGE EQUIPMENT
SC	SPLICE NEW TO EXISTING CONDUCTORS
SD	SERVICE DISCONNECT
TSP	TELEPHONE SERVICE POINT

ABBREVIATIONS

APS	ACCESSIBLE PEDESTRIAN SIGNAL
BBS	BATTERY BACKUP SYSTEM
BC	BOLT CIRCLE
BPB	BICYCLE PUSH BUTTON
C	CONDUIT
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
Ckt	CIRCUIT
CMS	CHANGEABLE MESSAGE SIGN
Ctid	CALTRANS IDENTIFICATION
Comm	COMMUNICATION
DLC	LOOP DETECTOR LEAD-IN CABLE
EMS	EXTINGUISHABLE MESSAGE SIGN
EVUC	EMERGENCY VEHICLE UNIT CABLE
EVUD	EMERGENCY VEHICLE UNIT DETECTOR
FB	FLASHING BEACON
FBCA	FLASHING BEACON CONTROL ASSEMBLY
FBS	FLASHING BEACON WITH SLIP BASE
FO	FIBER OPTIC
G	EQUIPMENT GROUNDING CONDUCTOR
GB	GROUND BUS
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HAR	HIGHWAY ADVISORY RADIO
Hex	HEXAGONAL
HPS	HIGH PRESSURE SODIUM
IISNS	INTERNALLY ILLUMINATED STREET NAME SIGN
ISL	INDUCTION SIGN LIGHTING
LED	LIGHT EMITTING DIODE
LMA	LUMINAIRE MAST ARM
LPS	LOW PRESSURE SODIUM
Ltg	LIGHTING
Lum	LUMINAIRE
M	METERED
MAT	MAST ARM MOUNTING TOP ATTACHMENT
MAS	MAST ARM MOUNTING SIDE ATTACHMENT
M/M	MULTIPLE TO MULTIPLE TRANSFORMER
Mtg	MOUNTING
MV	MERCURY VAPOR LIGHTING FIXTURE
MVDS	MICROWAVE VEHICLE DETECTION SYSTEM
N	NEUTRAL (GROUNDED CONDUCTOR)
NB	NEUTRAL BUS
NC	NORMALLY CLOSE
NO	NORMALLY OPEN
P	CIRCUIT BREAKER'S POLE
PB	PULL BOX
PBA	PUSH BUTTON ASSEMBLY
PEC	PHOTOELECTRIC CONTROL
Ped	PEDESTRIAN
PEU	PHOTOELECTRIC UNIT
PT	CONDUIT WITH PULL TAPE
RE	RELOCATED EQUIPMENT
RM	RAMP METERING
RWIS	ROADSIDE WEATHER INFORMATION SYSTEM
SB	SLIP BASE
SIC	SIGNAL INTERCONNECT CABLE
Sig	SIGNAL
SMA	SIGNAL MAST ARM
SNS	STREET NAME SIGN
SP	SERVICE POINT
TDC	TELEPHONE DEMARCATION CABINET
TMS	TRAFFIC MONITORING STATION
TOS	TRAFFIC OPERATIONS SYSTEM
Veh	VEHICLE
VIVDS	VIDEO IMAGE VEHICLE DETECTION SYSTEM
WIM	WEIGH-IN-MOTION
Xfmr	TRANSFORMER

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	75	81

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

Theresa Aziz Gabriel No. E15129 Exp. 6-30-14 ELECTRICAL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

July 19, 2013
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.

TO ACCOMPANY PLANS DATED 4-21-14

SOFFIT AND WALL MOUNTED LUMINAIRES

- PENDANT, 70 W HPS UNLESS OTHERWISE SPECIFIED
- FLUSH, 70 W HPS UNLESS OTHERWISE SPECIFIED
- WALL SURFACE, 70 W HPS UNLESS OTHERWISE SPECIFIED
- EXISTING SOFFIT OR WALL LUMINAIRE TO REMAIN UNMODIFIED
- (M) EXISTING SOFFIT OR WALL LUMINAIRE TO BE MODIFIED AS SPECIFIED

NOTE:
Arrow indicates "street side" of luminaire.

COMMONLY USED SYMBOLS FOR UNITED STATES CUSTOMARY UNITS OF MEASUREMENT:

SYMBOL USED	DEFINITIONS
Ω	OHMS
min	MINUTE
s	SECOND
bps	BITS PER SECOND
Bps	BYTES PER SECOND
A	AMPERE
V	VOLT
V(dc)	VOLT (DIRECT CURRENT)
V(ac)	VOLT (ALTERNATING CURRENT)
FC	FOOT - CANDLE
W	WATTS
VA	VOLT-AMPERE
M	MEGA
k	KILO
m	MILLI
μ	MICRO
P	PICO
Hz	HERTZ

MISCELLANEOUS ELECTROLIERS

NEW	EXISTING	
		LUMINAIRE ON WOOD POLE
		NON-STANDARD ELECTROLIER (SEE PROJECT NOTES OR PROJECT PLANS)
		CITY ELECTROLIER
		ELECTROLIER FOUNDATION (FUTURE INSTALLATION)

NOTES:

1. HPS luminaires shall be 310 W HPS when installed on Type 21, 21D, 30, 31 and 32 Standards, unless otherwise specified. HPS luminaires shall be 200 W when installed on other type standards or poles, unless otherwise specified.
2. LED luminaires shall be 235 W when installed on Type 21, 21D, 30, 31 and 32 Standards, unless otherwise specified. LED luminaires shall be 165 W when installed on other type standards or poles, unless otherwise specified.
3. Luminaires shall be the cutoff type, ANSI Type III medium cutoff lighting distribution, unless otherwise specified.

STANDARD ELECTROLIER

NEW	EXISTING	STANDARD TYPE
		15
		15D
		15 STRUCTURE
		15D STRUCTURE
		21
		21D
		21 STRUCTURE
		21D STRUCTURE
		30
		31
		32

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (LEGEND AND ABBREVIATIONS)

NO SCALE

RSP ES-1A DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-1A DATED MAY 20, 2011 - PAGE 425 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-1A

2010 REVISED STANDARD PLAN RSP ES-1A

7-15-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	76	81

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

Theresa Aziz Gabriel No. E15129 Exp. 6-30-14 ELECTRICAL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

July 19, 2013
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.

TO ACCOMPANY PLANS DATED 4-21-14

CONDUIT

NEW	EXISTING	
— — — —	— — — —	LIGHTING CONDUIT, UNLESS OTHERWISE INDICATED OR NOTED
— — — - — — -	— — — - — — -	TRAFFIC SIGNAL CONDUIT
— — C — —	— — c — —	COMMUNICATION CONDUIT
— — T — —	— — t — —	TELEPHONE CONDUIT
— — F — —	— — f — —	FIRE ALARM CONDUIT
— — FO — —	— — fo — —	FIBER OPTIC CONDUIT
— — — ⊣	— — — ⊣	CONDUIT TERMINATION
R	r	CONDUIT RISER ATTACHED TO THE STRUCTURE OR SERVICE POLE

SERVICE EQUIPMENT

NEW	EXISTING	
OH	oh	OVERHEAD LINES
U	U	WOOD POLE, "U" INDICATES UTILITY OWNED
		POLE GUY WITH ANCHOR
		UTILITY TRANSFORMER - GROUND MOUNTED
III	III	SERVICE EQUIPMENT ENCLOSURE TYPE. DOOR INDICATES FRONT OF ENCLOSURE
T	t	TELEPHONE DEMARCATION CABINET

POLE-MOUNTED SERVICE DESIGNATION

TYPE H SERVICE, 28'-10" — TYPE OF INSTALLATION AND POLE HEIGHT ABOVE GRADE

FLASHING BEACON

NEW	EXISTING	
R	R	FLASHING BEACON (ONE VEHICLE SIGNAL HEAD WITH BACKPLATE AND VISOR) "R" INDICATES RED INDICATION, "Y" INDICATES YELLOW INDICATION
Y Y	Y Y	FLASHING BEACON WITH TYPE 15-FBS STANDARD AND A SIGN.
R R	R R	FLASHING BEACON WITH TYPES 9, 9A OR 9B SIGN UNLESS OTHERWISE SPECIFIED OR INDICATED

SIGNAL EQUIPMENT

NEW	EXISTING	
C	C	PEDESTRIAN SIGNAL HEAD "C" INDICATES COUNTDOWN PEDESTRIAN HEAD
		PUSH BUTTON ASSEMBLY POST
		PEDESTRIAN BARRICADE
		VEHICLE SIGNAL HEAD (WITH BACKPLATE AND 3-SECTIONS: RED, YELLOW AND GREEN)
		VEHICLE SIGNAL HEAD WITH ANGLE VISOR
PV	PV	MODIFICATIONS OF BASIC SYMBOL: "L" INDICATES ALL NON-ARROW SECTIONS LOUVERED "LG" INDICATES LOUVERED GREEN SECTION ONLY "PV" INDICATES ALL 12" SECTIONS PROGRAMMED VISIBILITY "8" INDICATES ALL 8" SECTIONS (ONLY WHEN SPECIFIED)
		VEHICLE SIGNAL HEAD CONSISTING OF RED, YELLOW AND GREEN LEFT ARROW SECTIONS
		VEHICLE SIGNAL HEAD CONSISTING OF RED AND YELLOW SECTIONS WITH AN UP GREEN ARROW SECTION
		VEHICLE SIGNAL HEAD (5 SECTION) CONSISTING OF RED, YELLOW AND GREEN SECTIONS WITH YELLOW AND GREEN RIGHT ARROW SECTIONS
		TYPE 15TS STANDARD WITH VEHICLE SIGNAL HEAD AND LUMINAIRE
		TYPE 21TS STANDARD WITH VEHICLE SIGNAL HEAD AND LUMINAIRE
		STANDARD WITH LUMINAIRE AND SIGNAL MAST ARMS AND ATTACHED VEHICLE SIGNAL HEADS
		TYPE 1 STANDARD WITH ATTACHED VEHICLE SIGNAL HEADS
		STANDARD WITH A SIGNAL MAST ARM, ATTACHED VEHICLE SIGNAL HEADS AND INTERNALLY ILLUMINATED STREET NAME SIGN
		CONTROLLER ASSEMBLY. DOOR INDICATES FRONT OF CABINET

SIGNAL EQUIPMENT Cont

NEW	EXISTING	
		GUARD POST
		TYPE 1 STANDARD WITH RAMP METERING SIGN
		OPTICAL DETECTOR FOR THE EMERGENCY VEHICLE DETECTION SYSTEM

NOTES:

1. All signal sections shall be 12" unless shown otherwise.
2. Signal heads shall be provided with backplates unless shown otherwise.

ILLUMINATED OVERHEAD SIGN

NEW	EXISTING	
		SINGLE POST, SINGLE ILLUMINATED SIGN, BALANCED BUTTERFLY
		SINGLE POST, DOUBLE ILLUMINATED SIGN, BALANCED BUTTERFLY
		SINGLE POST, SINGLE ILLUMINATED SIGN, FULL CANTILEVER
		DOUBLE POST, SINGLE ILLUMINATED SIGN
		SINGLE ILLUMINATED SIGN MOUNTED ON STRUCTURE
		DOUBLE POST, SINGLE ILLUMINATED SIGN WITH ELECTROLIER

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (LEGEND AND ABBREVIATIONS)

NO SCALE

RSP ES-1B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-1B DATED MAY 20, 2011 - PAGE 426 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-1B

2010 REVISED STANDARD PLAN RSP ES-1B

7-15-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	77	81

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Theresa Aziz Gabriel — No. E15129 — Exp. 6-30-14 — ELECTRICAL — STATE OF CALIFORNIA

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.

TO ACCOMPANY PLANS DATED 4-21-14

EQUIPMENT IDENTIFICATION

ILLUMINATED SIGN IDENTIFICATION NUMBER:

SIGN No. 12345
10 ISL SCI 1.0

- SIGN NUMBER - PLACE ON POST OR STRUCTURE
- TRANSFORMER RATING (kVA)
- LIGHTING CONTROL TYPE
- NUMBER AND TYPE OF FIXTURES

} DO NOT PLACE ON STANDARD OR STRUCTURE

ELECTROLIER OR EQUIPMENT IDENTIFICATION NUMBER:

12345 - 15'-0"

- MAST ARM LENGTH, IF SHOWN. DO NOT PLACE ON STANDARD OR STRUCTURE
- EQUIPMENT NUMBER - PLACE ON STANDARD OR STRUCTURE. EXISTING EQUIPMENT NUMBERS ARE SHOWN IN PARENTHESIS

CONDUIT AND CONDUCTOR IDENTIFICATION:

1½"C, 2#10, 15#14, 2 DLC, 12P#18 (PAIR)

- NUMBER AND SIZE OF CONDUCTORS AND CABLES
- SIZE OF CONDUIT IN INCHES
- ø1, ø2, ø2P, etc. — TRAFFIC PHASE IDENTIFICATION FOR SIGNAL FACES, DETECTORS AND PHASE DIAGRAMS
- 1 2 3 — LEGEND NUMBERS
- (A) (B) (C) — EQUIPMENT, SIGNAL POLES, INSTALLATION OR ITEMS
- 1 2 3 — CONDUIT RUN NUMBERS

SIGNAL AND LIGHTING STANDARD (TYPICAL DESIGNATION):

19A - 3 - 100

- WIND VELOCITY = 100 mph
- CASE 3 ARM LOADING
- STANDARD TYPE
- STANDARD PLAN SHEET NUMBER
- DETAIL, NUMBER, SECTION, TYPE OR ELEVATION

MISCELLANEOUS EQUIPMENT

NEW	EXISTING	
CMS	cms	CHANGEABLE MESSAGE SIGN
		CLOSED CIRCUIT TELEVISION CAMERA
		HIGHWAY ADVISORY RADIO POLE AND ANTENNA
EMS	ems	EXTINGUISHABLE MESSAGE SIGN
M V	m v	DETECTION DEVICE M = MICROWAVE SENSOR V = VIDEO IMAGE SENSOR

WIRING DIAGRAM LEGEND

- EXTERNAL CONDUCTOR
- CONDUCTOR OR BUS
- TIE POINT
- CONTACTOR COIL
- CONTACTOR, NO CONTACT
- TERMINAL BLOCKS
- CONTACTOR, NC CONTACT
- ENCLOSURE BOND
- GROUNDING ELECTRODE
- CIRCUIT BREAKER
- RECEPTACLE

PULL BOXES

NEW	EXISTING	
		PULL BOX, No. 5 UNLESS OTHERWISE INDICATED OR NOTED
3	9A(21)	PULL BOX, ADDITIONAL DESIGNATIONS OR DESCRIPTIONS

3 No. 3½ PULL BOX
5 No. 5 PULL BOX
6 No. 6 PULL BOX
7 No. 7 (CEILING PULL BOX)
8 No. 8 (PENDANT SOFFIT PULL BOX)
9 No. 9 PULL BOX
9A No. 9A PULL BOX

(C) COMMUNICATIONS PULL BOX
(E) PULL BOX WITH EXTENSION
(S) SPRINKLER CONTROL PULL BOX
(21) ANCHOR BOLTS AND CONDUIT FOR FUTURE INSTALLATION OF TYPE 21 STANDARD
(T) TRAFFIC PULL BOX

VEHICLE DETECTORS

5 J 9 U

- VEHICLE DETECTOR DESIGNATION
- U = UPPER, L = LOWER
- SLOT NUMBER IN INPUT FILE
- INPUT FILE (I OR J)
- PHASE

NEW	EXISTING	
		TYPE A DETECTOR LOOP. OUTLINE OF SAWCUT SHOWN
		TYPE B DETECTOR LOOP. OUTLINE OF SAWCUT SHOWN
		TYPE C DETECTOR LOOP. OUTLINE OF SAWCUT SHOWN
		TYPE D DETECTOR LOOP. OUTLINE OF SAWCUT SHOWN
		TYPE E DETECTOR LOOP. OUTLINE OF SAWCUT SHOWN
		TYPE Q DETECTOR LOOP. OUTLINE OF SAWCUT SHOWN
		MAGNETIC DETECTOR
DH	dh	DETECTOR HANDHOLE
		MICROWAVE OR VIDEO DETECTION ZONE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (LEGEND AND ABBREVIATIONS)

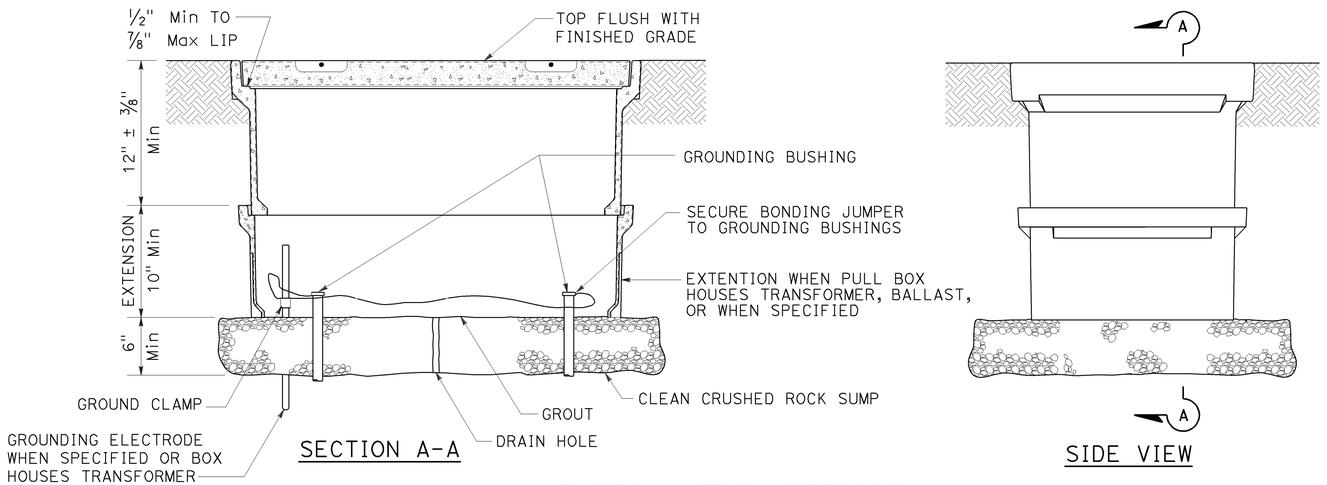
NO SCALE

RSP ES-1C DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-1C DATED MAY 20, 2011 - PAGE 427 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-1C

2010 REVISED STANDARD PLAN RSP ES-1C

7-11-13

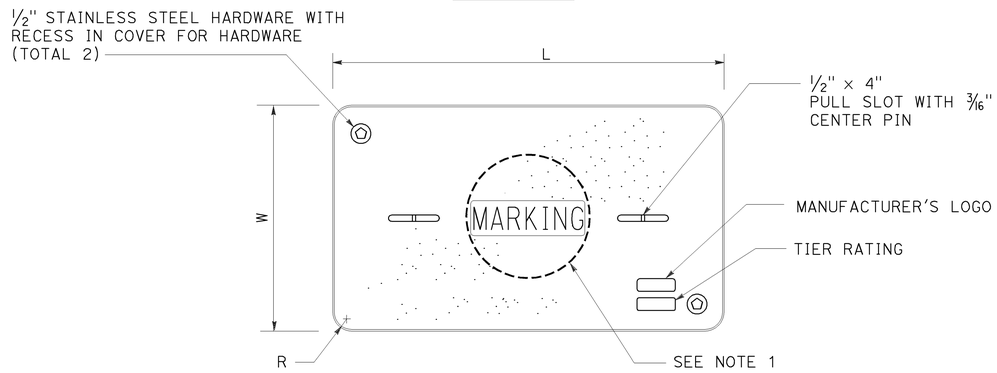


SECTION A-A

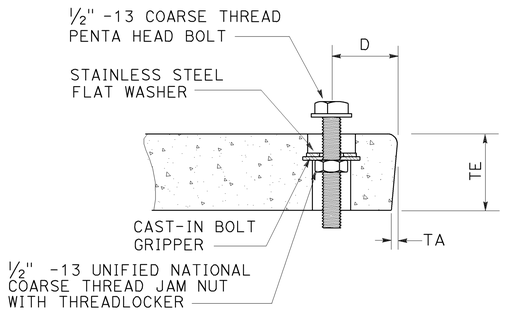
SIDE VIEW

INSTALLATION DETAILS

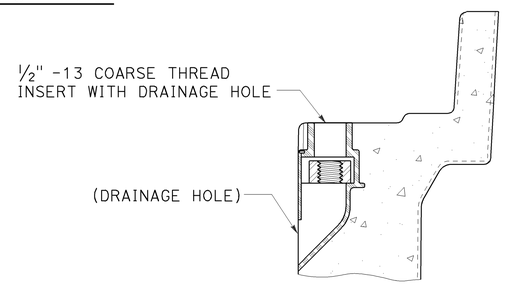
DETAIL A



COVER TOP VIEW



TYPICAL COVER CAPTIVE BOLT
OR SIMILAR



TYPICAL THREADED INSERT
OR SIMILAR

DIMENSION TABLE

PULL BOX	PULL BOX			COVER						
	MINIMUM DEPTH BOX	MINIMUM DEPTH EXTENSION	MAXIMUM WEIGHT	L	W	R	TE	TA	D	MAXIMUM WEIGHT
No. 3½	12"	N/A	40 lb	1′ - 3⅜"	10⅛"	1⅜"	2"	⅛"	1¾"	30 lb
No. 5	12"	10"	55 lb	1′ - 11¼"	1′ - 1¾"	1⅜"	2"	⅛"	1¾"	60 lb
No. 6	12"	10"	70 lb	2′ - 6½"	1′ - 5½"	1⅜"	2"	⅛"	2"	85 lb

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	SB	101	13.0/22.8	78	81

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

Theresa Aziz Gabriel
No. E15129
Exp. 6-30-14
ELECTRICAL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

July 19, 2013
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.

TO ACCOMPANY PLANS DATED 4-21-14

NOTES:

1. Pull box covers shall be marked as follows: "SERVICE" Service circuits between service point and service disconnect; "SPRINKLER-CONTROL" sprinkler control circuits, 50 V or less; "CALTRANS" on all pull boxes, except pull boxes marked "SPRINKLER-CONTROL"; and "TELEPHONE" Telephone service;

   A) No. 3½ pull box.
      1) "SIGNAL" - Traffic signal circuits with or without lighting or sign lighting circuits.
      2) "LIGHTING" - Lighting or sign lighting circuits where voltage is under 600 V.

   B) No. 5, 6, 9 or 9A pull box.
      1) "TRAFFIC SIGNAL" - Traffic signal circuits with or without lighting or sign lighting circuits.
      2) "LIGHTING" - Lighting or sign lighting circuits where voltage is under 600 V.
      3) "LIGHTING-HIGH VOLTAGE" - Lighting or sign lighting circuits where voltage is above 600 V.
      4) "IRRIGATION" - Circuits to irrigation controller 120 V or more.
      5) "RAMP METER" - Ramp meter circuits.
      6) "COUNT STATION" - Count or speed monitor circuits.
      7) "COMMUNICATIONS" - Communication circuits.
      8) "TOS COMMUNICATIONS" - TOS communication line.
      9) "TOS POWER" - TOS power.
      10) "TDC POWER" - Telephone demarcation cabinet power.
      11) "CCTV" - Closed circuit television circuits.
      12) "TMS" - Traffic monitoring station circuits.
      13) "CMS" - Changeable message sign circuits.
      14) "HAR" - Highway advisory radio circuits.
      15) "BOOSTER PUMP" - Booster pump circuit.

2. The nominal dimensions of the opening in which the cover sets shall be the same as the cover dimensions except the length and width dimensions shall be ⅛" greater.
3. Covers and boxes shall be interchangeable with California standard male and female gages. When interchanged with a standard male or female gage, the top surfaces shall be flush within ⅛". Top outside radius of covers and pull boxes shall have a ⅛" radius.
4. Pull box extension may be another pull box as long as the bottom edge of the pull box can fit into the cover opening.
5. All dimensions for the cover for non-traffic pull box are nominal values.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (NON-TRAFFIC PULL BOX)

NO SCALE

RSP ES-8A DATED JULY 19, 2013 SUPERSEDES RSP ES-8A DATED JANUARY 20, 2012 THAT SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-8A

2010 REVISED STANDARD PLAN RSP ES-8A

7-15-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	79	81

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

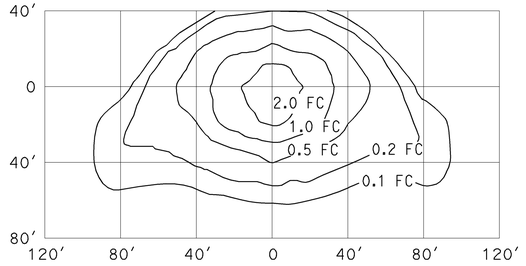
Theresa Aziz Gabriel
No. E15129
Exp. 6-30-14
ELECTRICAL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

July 19, 2013
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.

TO ACCOMPANY PLANS DATED 4-21-14

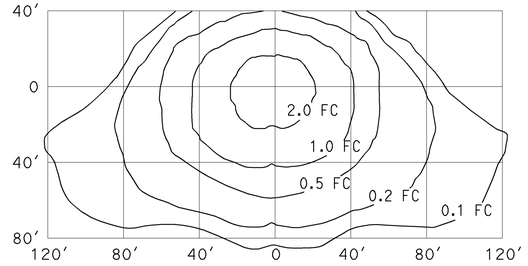
ISOFOOTCANDLE CURVE - MINIMUM



TYPE III MEDIUM CUTOFF

Cutoff Luminaire
34′ Mounting Height
Lamp operated at 22,000 lm
200-W high pressure sodium lamp
ANSI Designation S66

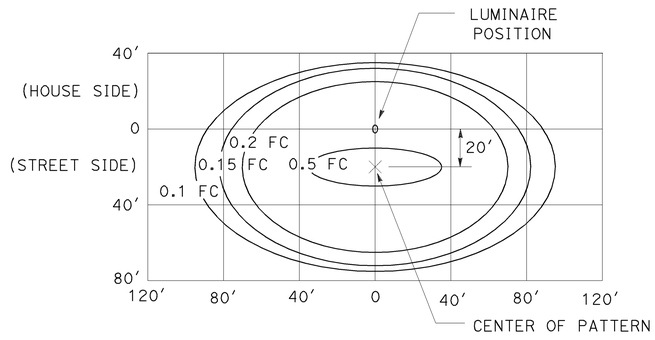
ISOFOOTCANDLE CURVE - MINIMUM



TYPE III MEDIUM CUTOFF

Cutoff Luminaire
40′ Mounting Height
Lamp operated at 37,000 lm
310-W high pressure sodium lamp
ANSI Designation S67

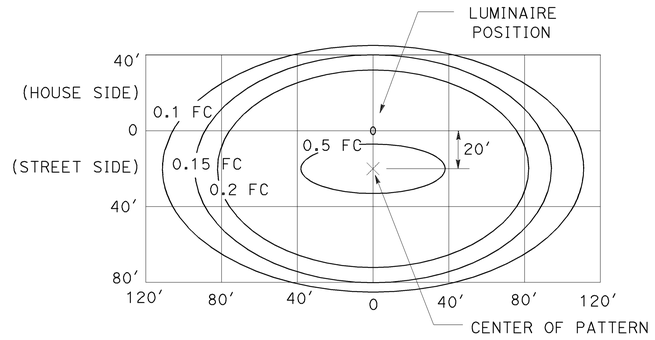
ISOFOOTCANDLE CURVE - MINIMUM



LED LUMINAIRE ROADWAY 1

165-W at 34′ Mounting Height

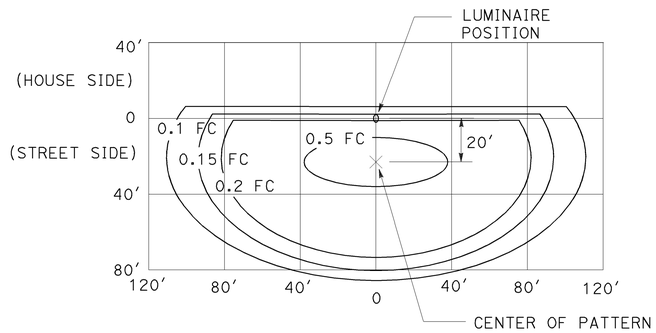
ISOFOOTCANDLE CURVE - MINIMUM



LED LUMINAIRE ROADWAY 2

235-W at 40′ Mounting Height

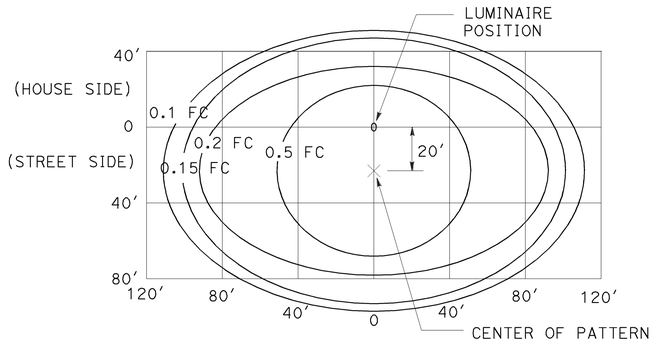
ISOFOOTCANDLE CURVE - MINIMUM



LED LUMINAIRE ROADWAY 3

235-W at 40′ Mounting Height
with back side control

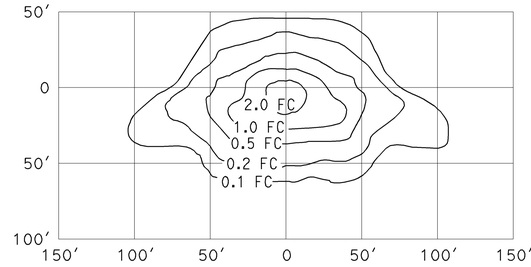
ISOFOOTCANDLE CURVE - MINIMUM



LED LUMINAIRE ROADWAY 4

300-W at 40′ Mounting Height

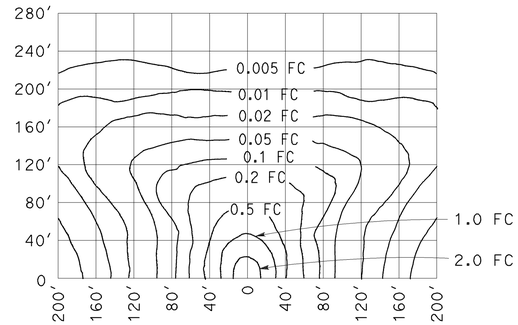
ISOFOOTCANDLE CURVE - MINIMUM



TYPE III MEDIUM CUTOFF

Cutoff Luminaire
30′ Mounting Height
Lamp operated at 16,000 lm
150-W high pressure sodium lamp
ANSI Designation S55

ISOFOOTCANDLE CURVE - MINIMUM



LOW PRESSURE SODIUM LUMINAIRE

40′ Mounting Height
Lamp operated at 33,000 lm
180-W low pressure sodium lamp

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (ISOFOOTCANDLE DIAGRAMS)

NO SCALE

RSP ES-10A DATED JULY 19, 2013 SUPERSEDES RSP ES-10A DATED JULY 20, 2012 THAT SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-10A

2010 REVISED STANDARD PLAN RSP ES-10A

7-9-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	80	81

Jeffery G. McRae
REGISTERED ELECTRICAL ENGINEER

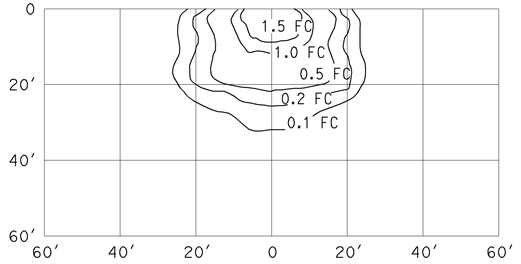
July 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Jeffery G. McRae
No. E14512
Exp. 6-30-14
ELECTRICAL
STATE OF CALIFORNIA

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.

TO ACCOMPANY PLANS DATED 4-21-14

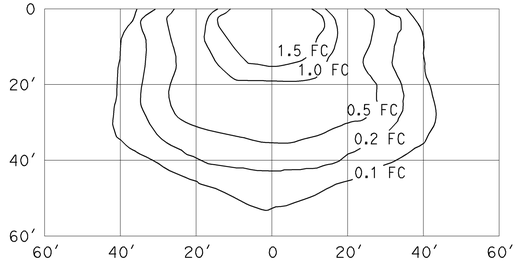
ISOFOOTCANDLE CURVE - MINIMUM



WALL LUMINAIRE

15′ Mounting Height
Lamp operated at 5,800 lm
70-W high pressure sodium lamp
ANSI Designation S62

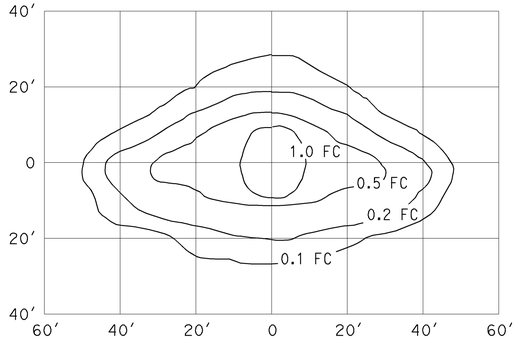
ISOFOOTCANDLE CURVE - MINIMUM



WALL LUMINAIRE

15′ Mounting Height
Lamp operated at 9,500 lm
100-W high pressure sodium lamp
ANSI Designation S54

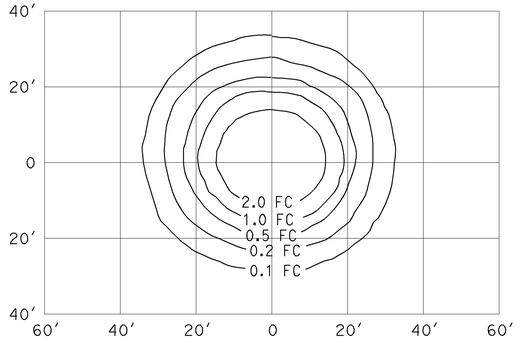
ISOFOOTCANDLE CURVE - MINIMUM



PENDANT SOFFIT LUMINAIRE TYPE III SHORT

17′ Mounting Height
Lamp operated at 5,800 lm
70-W high pressure sodium lamp
ANSI Designation S62

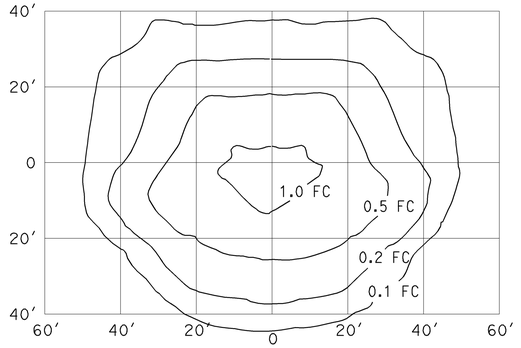
ISOFOOTCANDLE CURVE - MINIMUM



PENDANT SOFFIT LUMINAIRE

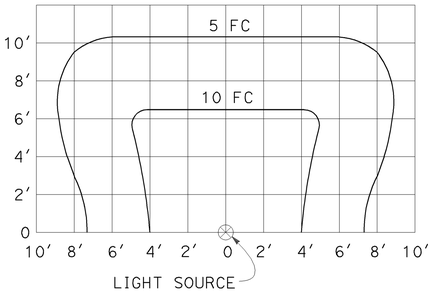
17′ Mounting Height
Lamp operated at 5,800 lm
70-W high pressure sodium lamp
ANSI Designation S62

ISOFOOTCANDLE CURVE - MINIMUM



FLUSH SOFFIT LUMINAIRE

17′ Mounting Height
Lamp operated at 5,800 lm
70-W high pressure sodium lamp
ANSI Designation S62



SIGN LIGHTING FIXTURE ISOFOOTCANDLE DIAGRAM

NOTES:

1. Curves represent the minimum footcandle (FC) of initial illumination on a 10′-0" x 20′-0" panel.
2. The FC shown are with the fixture attached to the light fixture mounting channel which places the center of the source 4′-8" in front of panel and 1′-0" below the bottom edge.
3. Applicable lamp: 85-W fluorescent phosphor coated induction lamp.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (ISOFOOTCANDLE DIAGRAMS)

NO SCALE

RSP ES-10B DATED JULY 20, 2012 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-10B

2010 REVISED STANDARD PLAN RSP ES-10B

2-14-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	13.0/22.8	81	81

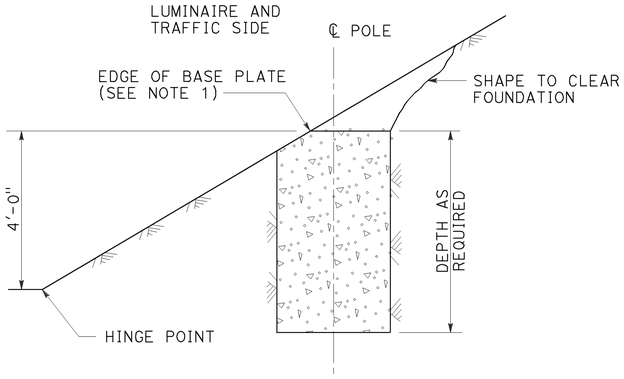
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

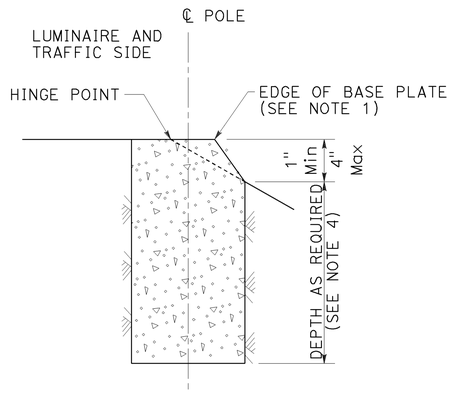
REGISTERED PROFESSIONAL ENGINEER
Stanley P. Johnson
No. C57793
Exp. 3-31-14
CIVIL
STATE OF CALIFORNIA

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.

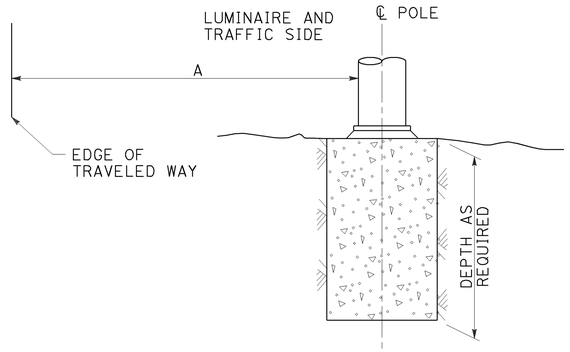
TO ACCOMPANY PLANS DATED 4-21-14



CUT SLOPES
STEEPER THAN 4:1,
LESS THAN 2:1
DETAIL A-1
See Note 2 and 3



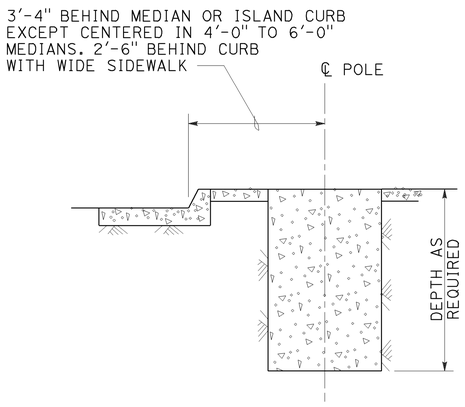
FILL SLOPES
STEEPER THAN 4:1,
LESS THAN 2:1
DETAIL A-2
See Note 2 and 3



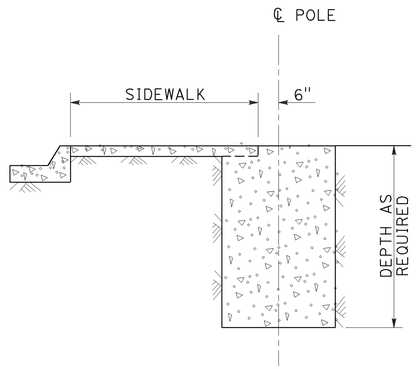
FLAT SECTIONS, CUT OR FILL SLOPES
4:1 OR FLATTER
DETAIL A-3
See Note 2

STANDARD TYPE	SETBACK (DIMENSION A)
32	30'-0" (Min)
31	20'-0" (Min)
15, 15D, 15-SB, 21, 21D, 30	ARM LENGTH (Min)

FOUNDATIONS ADJACENT TO ALL ROADWAYS EXCEPT IN SIDEWALK, MEDIAN AND ISLAND AREAS
DETAIL A



MEDIAN, ISLAND
OR WIDE SIDEWALK
DETAIL B-1
7' Wide and wider



NARROW SIDEWALK
DETAIL B-2
Less than 7' wide

FOUNDATIONS IN SIDEWALK, MEDIAN AND ISLAND AREAS
DETAIL B

NOTES:

1. Where a portion of the foundation is above grade, the top edges shall have a 1" chamfer.
2. Slopes shall be horizontal to vertical ratio (Horizontal : Vertical).
3. Horizontal setbacks on cut and fill slopes steeper than 4:1 shall not exceed the distance shown for flat sections.
4. CIDH embedment depth shall be increased beyond standard depths by the diameter of the CIDH.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (FOUNDATION INSTALLATIONS)

NO SCALE

RSP ES-11 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-11
DATED MAY 20, 2011 - PAGE 488 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-11

2010 REVISED STANDARD PLAN RSP ES-11

7-9-13