INDEX OF PLANS

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87-107	REVISED AND NEW 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

NH-Q101(184)E

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	1	107

PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

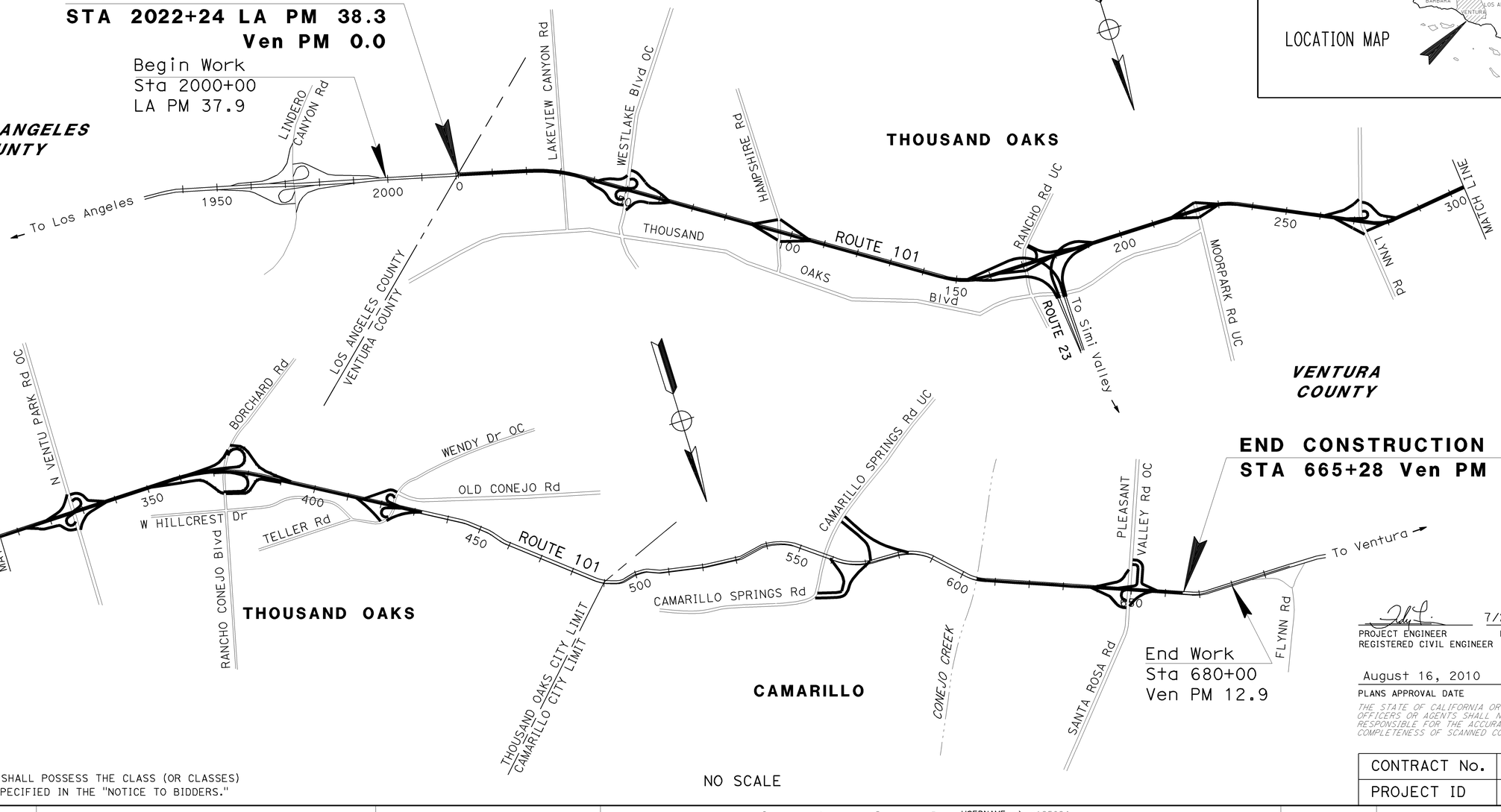
IN VENTURA COUNTY
IN THOUSAND OAKS AND CAMARILLO
FROM LOS ANGELES COUNTY LINE TO
0.3 MILE NORTH OF PLEASANT VALLEY ROAD OVERCROSSING

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

BEGIN CONSTRUCTION
STA 2022+24 LA PM 38.3
Ven PM 0.0

Begin Work
Sta 2000+00
LA PM 37.9

LOS ANGELES COUNTY



THOUSAND OAKS

VENTURA COUNTY

CAMARILLO

END CONSTRUCTION
STA 665+28 Ven PM 12.6

End Work
Sta 680+00
Ven PM 12.9

NO SCALE

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

7/27/10
PROJECT ENGINEER — DATE
REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER
ANDY C. LIAO
No. C57416
Exp. 12/31/11
CIVIL
STATE OF CALIFORNIA

August 16, 2010
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.

CONTRACT No.	07-251504
PROJECT ID	0700020160

PROJECT MANAGER: DAVID HAROLD MIRAANEY
DESIGN ENGINEER: ANDY LIAO

LAST REVISION: 00-00-00
DATE PLOTTED => 25-AUG-2010
TIME PLOTTED => 13:56

BORDER LAST REVISED 7/2/2010 | CALTRANS WEB SITE IS: HTTP//WWW.DOT.CA.GOV/ | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s125624 DGN FILE => 725150ab001.dgn | UNIT 1806 | PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	2	107

REGISTERED CIVIL ENGINEER — DATE 7/27/10

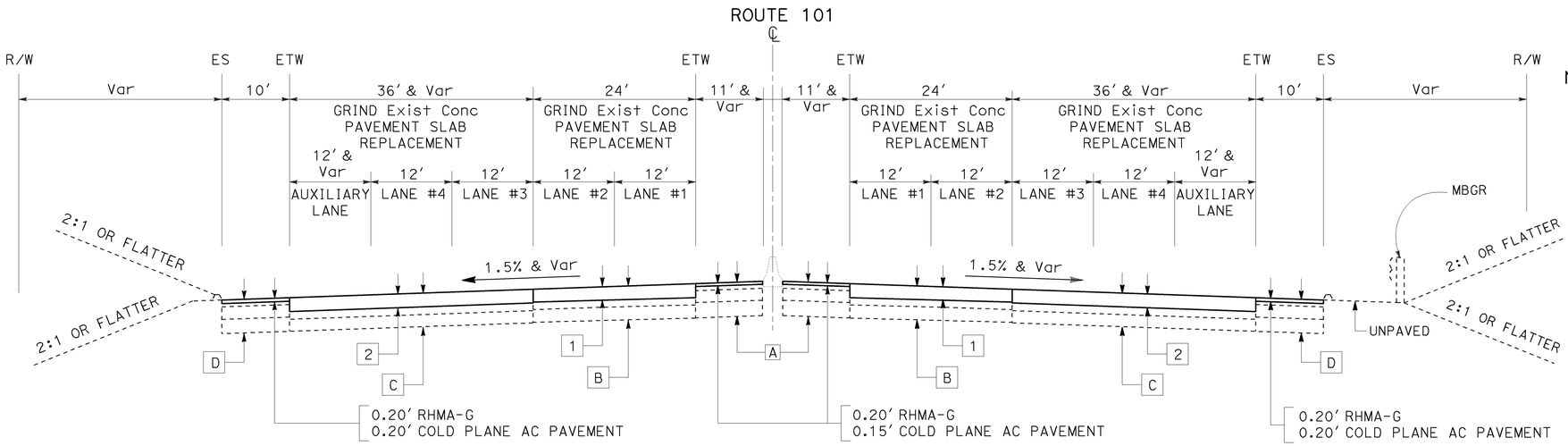
ANDY C. LIAO No. 57416 Exp. 12/31/11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

PLANS APPROVAL DATE 8/16/10

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

ABBREVIATIONS

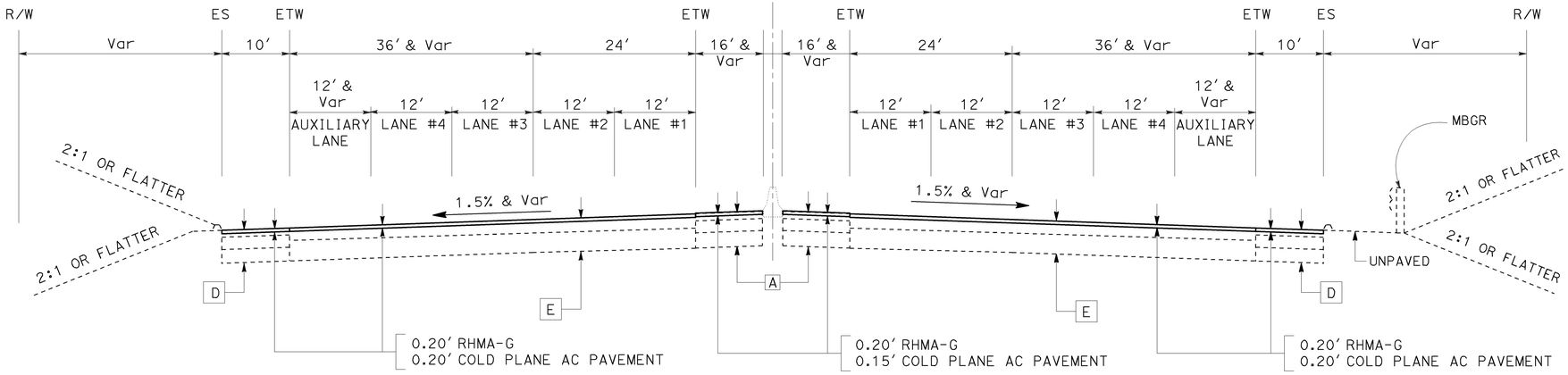
RHMA-G - RUBBERIZED HOT MIX ASPHALT (GAP GRADED)
RMCTB - ROAD MIXED CEMENT TREATED BASE



SOUTHBOUND

ROUTE 101
PM 01.62 TO PM 04.06

NORTHBOUND



SOUTHBOUND

ROUTE 101
PM 00.00 TO PM 01.62

NORTHBOUND

PROPOSED STRUCTURAL SECTIONS

1 — 0.65′ REPLACE CONCRETE PAVEMENT
RAPID STRENGTH CONCRETE (RSC)

2 — 0.75′ REPLACE CONCRETE PAVEMENT
RAPID STRENGTH CONCRETE (RSC)

3 — 0.67′ REPLACE CONCRETE PAVEMENT
RAPID STRENGTH CONCRETE (RSC)

4 —
0.90′ CONCRETE PAVEMENT (RAMP TERMINI)
RAPID STRENGTH CONCRETE (RSC)
---- BOND BREAKER
0.50′ LEAN CONCRETE BASE RAPID SETTING (LCBRS)
0.70′ CLASS 3 AGGREGATE BASE

NOTES:

1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY AND RECORDS MAPS AT THE DISTRICT OFFICE.
4. EXISTING UTILITY FACILITIES AND DRAINAGE INLETS HAVE NOT BEEN PLOTTED ON THESE PLANS.
5. EXACT LOCATIONS AND STRUCTURAL SECTION OF REPLACE CONCRETE PAVEMENT (RSC) WILL BE DETERMINED BY THE ENGINEER. SEE QUANTITY SHEETS FOR LIMITS.
6. SEE QUANTITY SHEETS FOR LIMITS OF GRIND EXISTING CONCRETE PAVEMENT. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER. APPROACH SLABS AND BRIDGE DECKS ARE EXCLUDED FROM GRINDING.
7. CONCRETE GRINDING AND COLD PLANE AC PAVEMENT WORK SHALL BE STOPPED AT 50′ BEFORE AND AFTER AUTOMATIC VEHICLE IDENTIFCATION, WEIGH IN MOTION AND IN-CAB NOTIFICATION DETECTION LOOPS AND ASSOCIATED EQUIPMENT NEAR NB 101-PM 7.9, PM 8.2 AND PM 9.3; AND SB 101-PM 9.3, PM 11.7 AND PM 12.2.

EXISTING STRUCTURAL SECTION

A — 0.30′ AC (TYPE B)
0.55′ AB (CLASS 2)
0.65′ AS (CLASS 4)

B — 0.65′ PCC
0.45′ RMCTB (CLASS A
0.60′ AB (CLASS 3)

C — 0.75′ PCC
0.45′ RMCTB (CLASS A)
0.50′ AB (CLASS 3)

D — 0.45′ AC (TYPE B)
0.65′ AB (CLASS 2)
0.60′ AS (CLASS 4)

E — 0.50′ AC (TYPE B)
1.20′ C S & O

F — 0.67′ PCC
0.35′ RMCTB (CLASS A)
0.25′ AB (CLASS 3)
0.75′ AS (CLASS 4)

G — 0.25′ AC (TYPE B)
0.50′ AB (CLASS 2)
VAR. AS (CLASS 4)

H — 0.40′ AC (TYPE B)
0.70′ AB (CLASS 2)
0.90′ AS (CLASS 4)

I — 0.30′ AC (TYPE B)
0.65′ RMCTB (CLASS A)
0.35′ AB (CLASS 3)
0.50′ AS (CLASS 4)

J — 0.35′ AC (TYPE B)
0.65′ RMCTB (CLASS A)
0.25′ RMCTB UNTREATED
0.70′ AS (CLASS 4)

K — 0.35′ AC (TYPE B)
0.65′ RMCTB (CLASS A)
0.25′ AB (CLASS 3)
0.20′ AS (CLASS 4)

L — 0.30′ AC (TYPE B)
0.55′ AB (CLASS 2)
0.85′ AS (CLASS 4)

M — 0.33′ AC (TYPE B)
0.67′ AB (CLASS 2)
1.00′ AS (CLASS 4)

TYPICAL CROSS SECTIONS

NO SCALE

X-1

REVISED BY | DATE REVISED
ANDY LIAO | CASIMIRO BAUTISTA
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: M. OJI KALU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® OFFICE OF DESIGN B

LAST REVISION 00-00-00 | DATE PLOTTED => 25-AUG-2010 | TIME PLOTTED => 13:56

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150ca001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1806 | PROJECT NUMBER & PHASE 07000201601

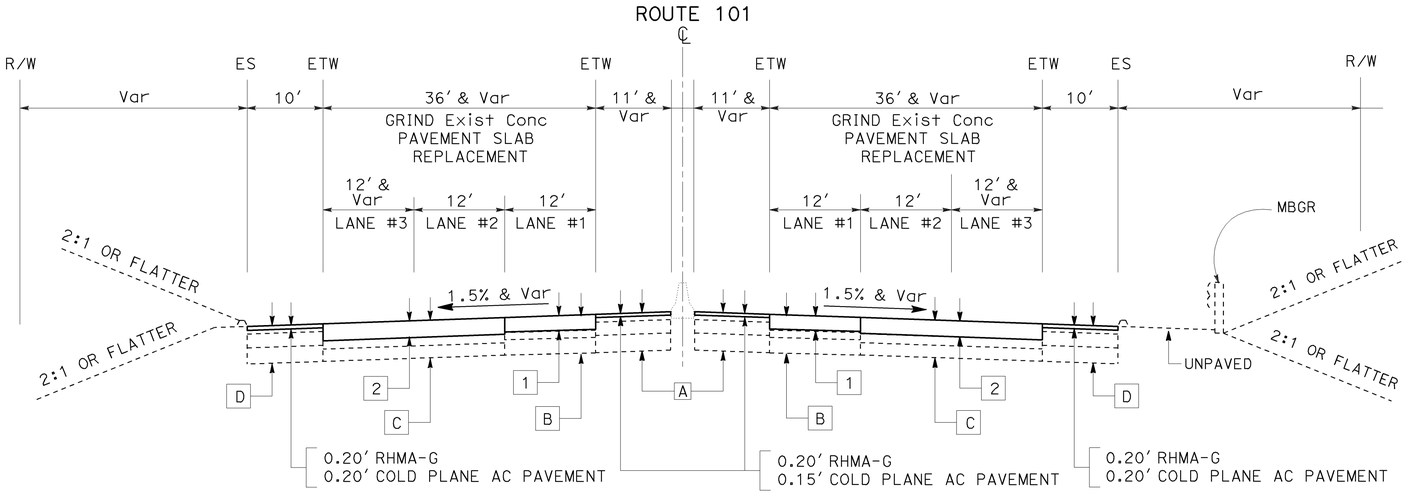
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	3	107

REGISTERED CIVIL ENGINEER — DATE 7/27/10

PLANS APPROVAL DATE 8/16/10

ANDY C. LIAO No. 57416 Exp. 12/31/11 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.

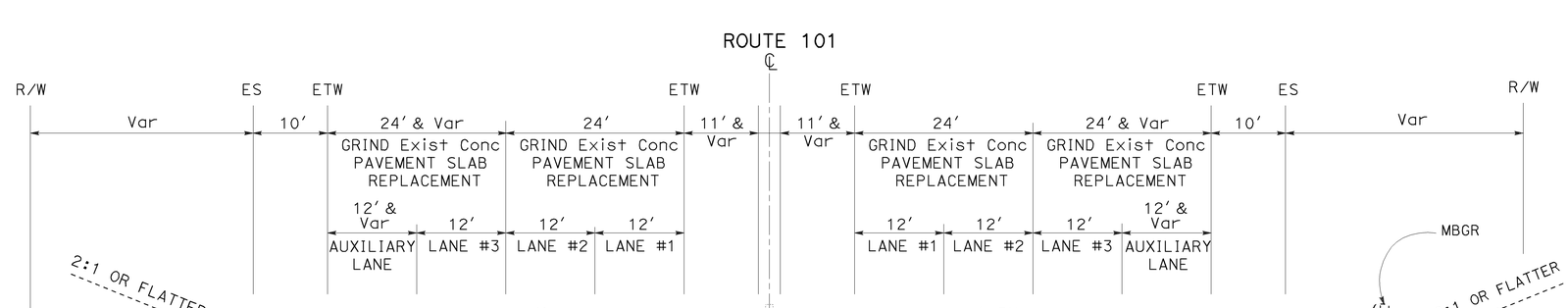


SOUTHBOUND

ROUTE 101

PM 11.43 TO PM 12.60

NORTHBOUND



SOUTHBOUND

ROUTE 101

PM 04.06 TO PM 09.00

NORTHBOUND

TYPICAL CROSS SECTIONS

NO SCALE

X-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
OFFICE OF DESIGN B
FUNCTIONAL SUPERVISOR: M. OJI KALU
CALCULATED-DESIGNED BY: ANDY LIAO
CHECKED BY: CASIMIRO BAUTISTA
REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED => 25-AUG-2010 | TIME PLOTTED => 13:56 | 00-00-00

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150ca002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1806 | PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	4	107

REGISTERED CIVIL ENGINEER — DATE 7/27/10

PLANS APPROVAL DATE 8/16/10

ANDY C. LIAO No. 57416 Exp. 12/31/11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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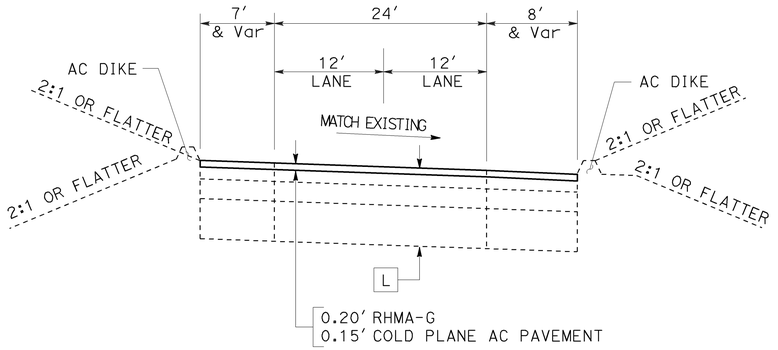
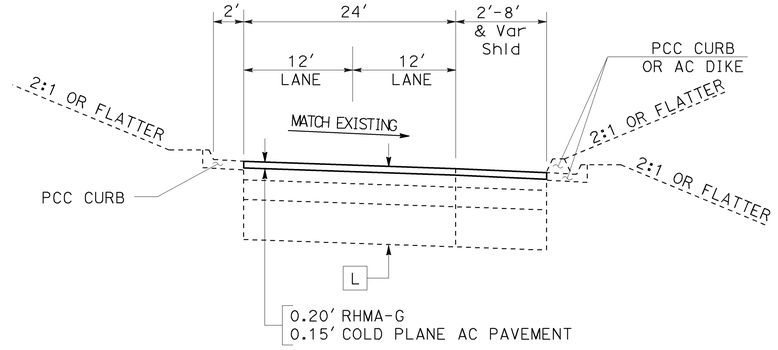
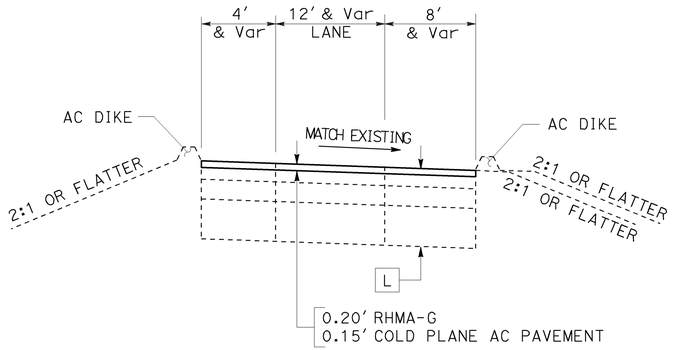


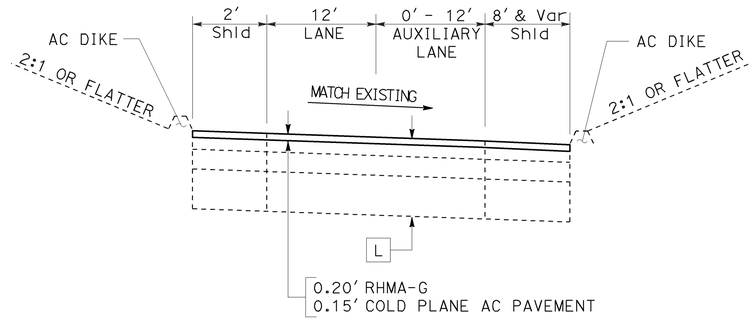
NB ON-RAMP FROM NB WESTLAKE Blvd
NB ON-RAMP FROM SB WESTLAKE Blvd
SB ON-RAMP FROM SB WESTLAKE Blvd



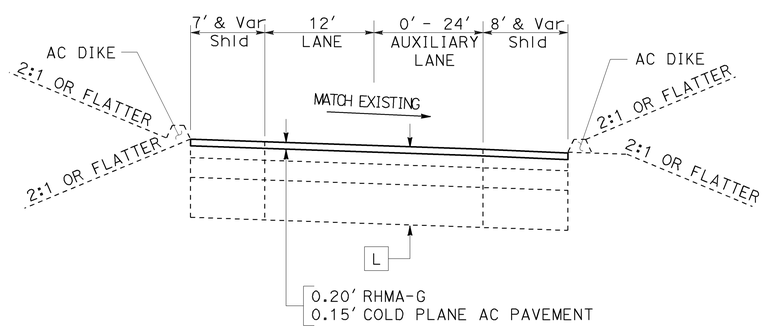
NB ON-RAMP FROM HAMPSHIRE Rd
SB ON-RAMP FROM HAMPSHIRE Rd



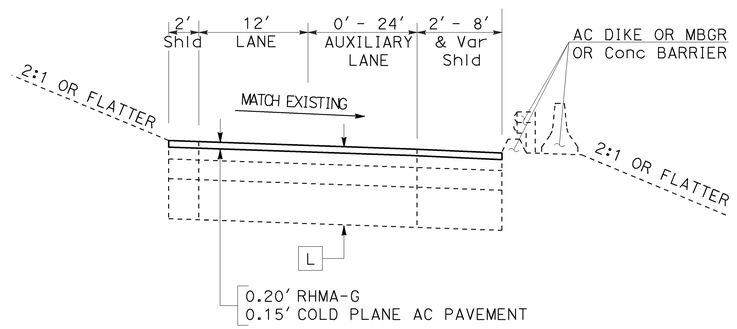
SB ON-RAMP FROM NB WESTLAKE Blvd



NB OFF-RAMP TO HAMPSHIRE Rd



NB OFF-RAMP TO WESTLAKE Blvd
SB OFF-RAMP TO WESTLAKE Blvd



SB OFF-RAMP TO HAMPSHIRE Rd

RAMPS - WESTLAKE Blvd

RAMPS - HAMPSHIRE Rd

TYPICAL CROSS SECTIONS

NO SCALE

X-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
OFFICE OF DESIGN B
FUNCTIONAL SUPERVISOR: M. OJI KALU
CALCULATED-DESIGNED BY: ANDY LIAO
CHECKED BY: QUANG V THAI
REVISED BY / DATE REVISED

LAST REVISION — DATE PLOTTED => 25-AUG-2010 — TIME PLOTTED => 13:56 — 00-00-00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	5	107

7/27/10
REGISTERED CIVIL ENGINEER DATE

8/16/10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ANDY C. LIAO
No. 57416
Exp. 12/31/11
CIVIL
STATE OF CALIFORNIA

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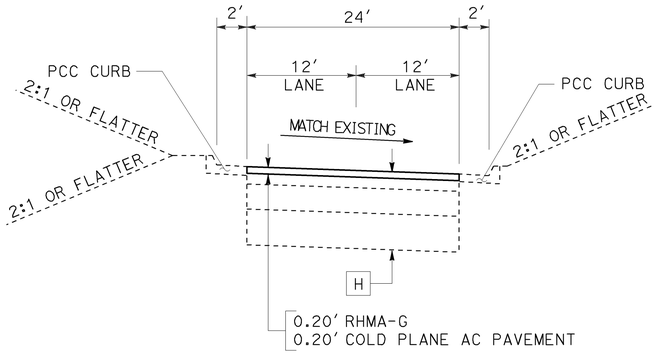
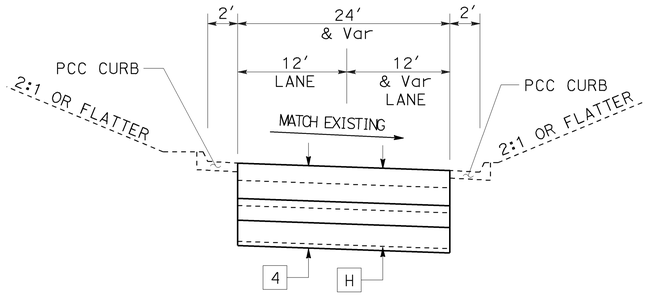
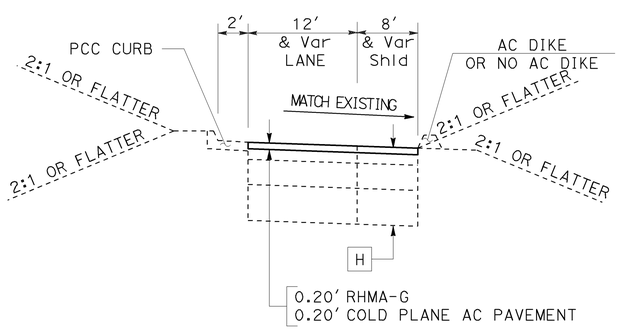


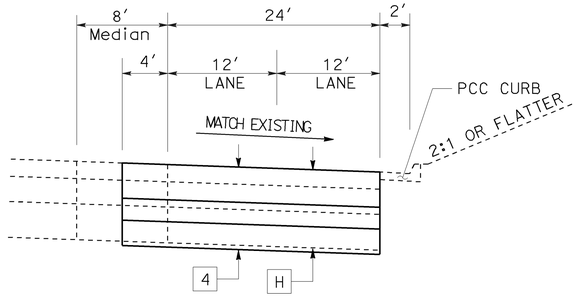
RAMP - TWO LANE
NB OFF-RAMP TO RANCHO Rd
SB OFF-RAMP TO RANCHO Rd
NB ON-RAMP TO RANCHO Rd
SB ON-RAMP TO RANCHO Rd



OFF-RAMP TERMINI
NB OFF-RAMP TO RANCHO Rd



RAMP - ONE LANE
NB OFF-RAMP TO RANCHO Rd
SB OFF-RAMP TO RANCHO Rd
NB ON-RAMP TO RANCHO Rd
SB ON-RAMP TO RANCHO Rd



OFF-RAMP TERMINI
SB OFF-RAMP TO RANCHO Rd

RAMPS - RANCHO Rd

TYPICAL CROSS SECTIONS

NO SCALE

X-4

CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY
DATE REVISED
ANDY LIAO
QUANG V THAI
FUNCTIONAL SUPERVISOR
M. OJI KALU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® OFFICE OF DESIGN B

LAST REVISION DATE PLOTTED => 25-AUG-2010
00-00-00 TIME PLOTTED => 13:56

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150ca004.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1806
PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	6	107

REGISTERED CIVIL ENGINEER — DATE 7/27/10

PLANS APPROVAL DATE 8/16/10

REGISTERED PROFESSIONAL ENGINEER — ANDY C. LIAO — No. 57416 — Exp. 12/31/11 — CIVIL — STATE OF CALIFORNIA

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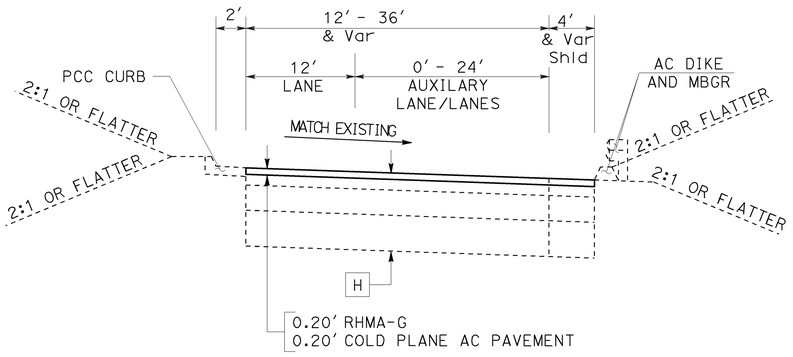
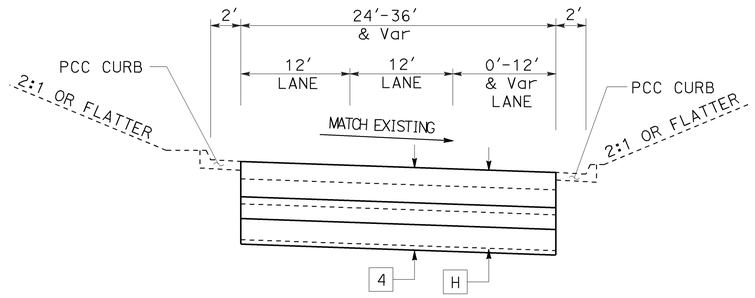
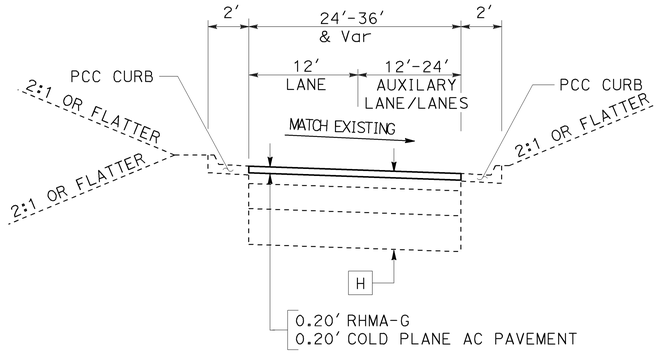


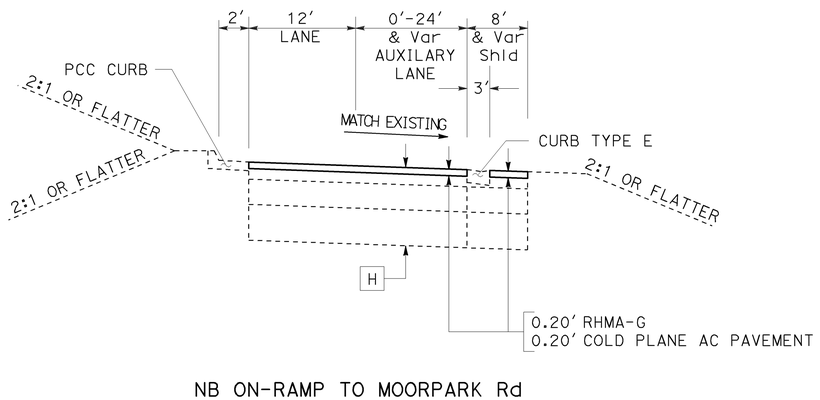
SB ON-RAMP FROM MOORPARK Rd



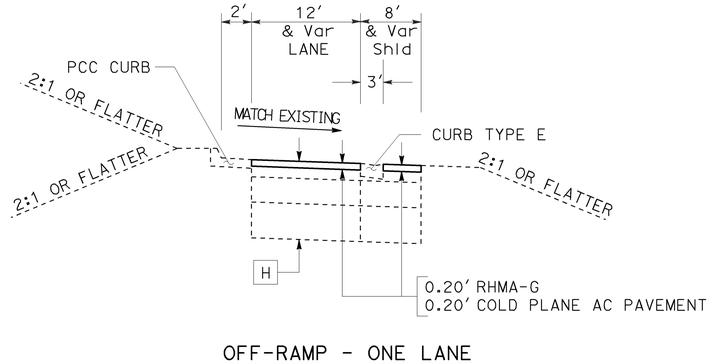
OFF-RAMP TERMINI
NB OFF-RAMP TO MOORPARK Rd
SB OFF-RAMP TO MOORPARK Rd



RAMP - TWO/THREE LANES
NB OFF-RAMP TO MOORPARK Rd
SB OFF-RAMP TO MOORPARK Rd



NB ON-RAMP TO MOORPARK Rd



OFF-RAMP - ONE LANE
NB OFF-RAMP TO MOORPARK Rd
SB OFF-RAMP TO MOORPARK Rd

RAMPS - MOORPARK Rd

TYPICAL CROSS SECTIONS

NO SCALE

X-5

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: ANDY LIAO
CHECKED BY: QUANG V THAI
FUNCTIONAL SUPERVISOR: M. OJI KALU

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® OFFICE OF DESIGN B

LAST REVISION | DATE PLOTTED => 25-AUG-2010
00-00-00 | TIME PLOTTED => 13:56

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150ca005.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1806 | PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	7	107

7/27/10
REGISTERED CIVIL ENGINEER DATE

8/16/10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ANDY C. LIAO
No. 57416
Exp. 12/31/11
CIVIL
STATE OF CALIFORNIA

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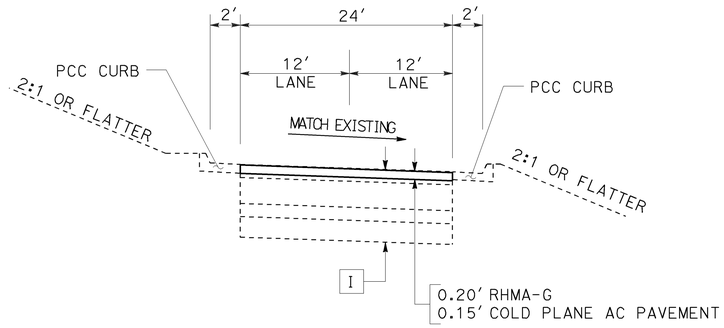
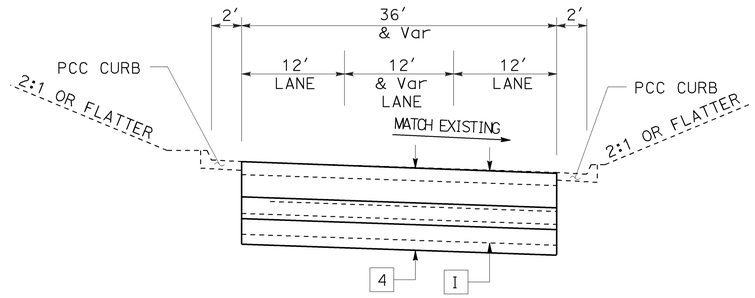
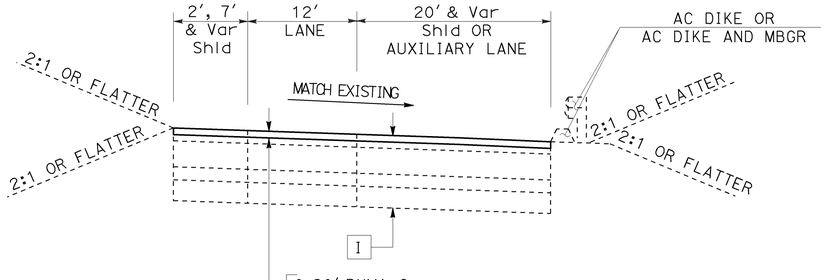


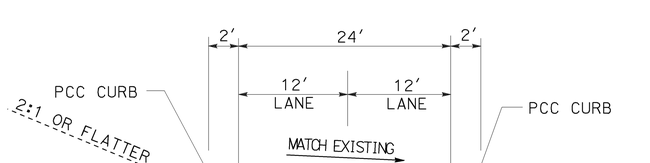
RAMP - TWO LANE
SB OFF-RAMP TO LYNN Rd
NB ON-RAMP FROM LYNN Rd



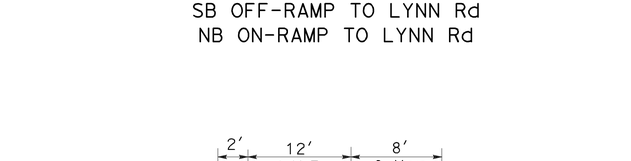
OFF-RAMP TERMINI
NB OFF-RAMP TO LYNN Rd



RAMP - ONE LANE
NB OFF-RAMP TO LYNN Rd
SB OFF-RAMP TO LYNN Rd
NB ON-RAMP TO LYNN Rd



OFF-RAMP TERMINI
SB OFF-RAMP TO LYNN Rd



SB ON-RAMP FROM SB LYNN Rd
SB ON-RAMP FROM NB LYNN Rd

RAMPS - LYNN Rd

TYPICAL CROSS SECTIONS

NO SCALE

X-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
OFFICE OF DESIGN B
FUNCTIONAL SUPERVISOR: M. OJI KALU
CALCULATED-DESIGNED BY: ANDY LIAO
CHECKED BY: QUANG V THAI
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 25-AUG-2010
TIME PLOTTED => 13:57
00-00-00

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150ca006.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1806
PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	8	107

7/27/10
REGISTERED CIVIL ENGINEER DATE

8/16/10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ANDY C. LIAO
No. 57416
Exp. 12/31/11
CIVIL
STATE OF CALIFORNIA

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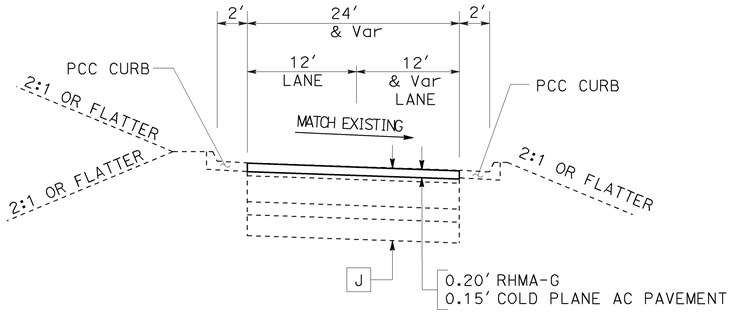
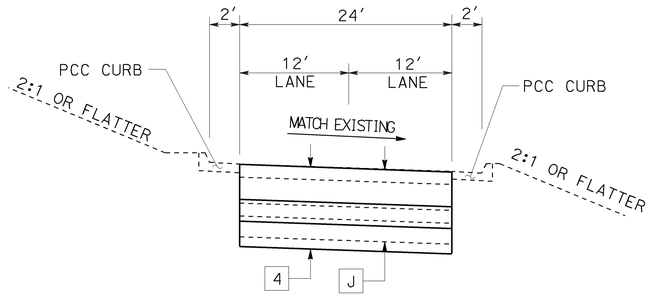
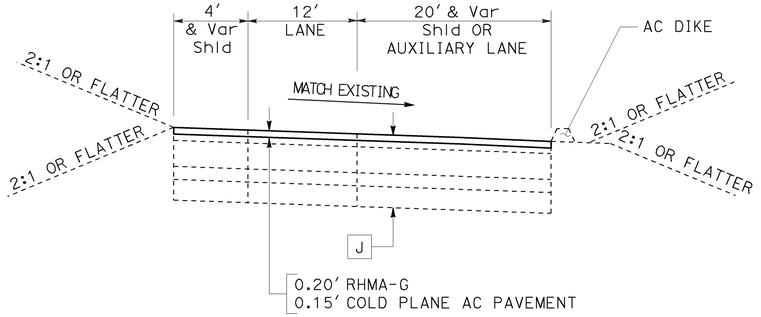


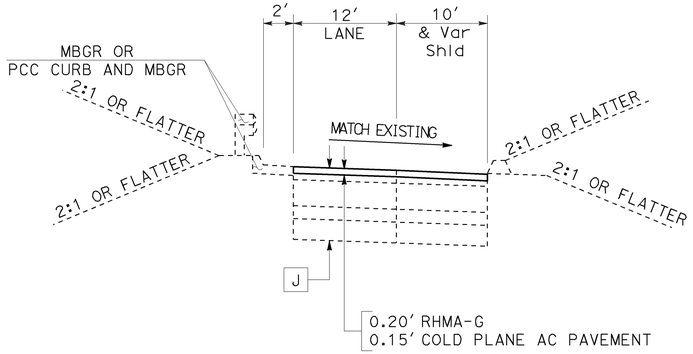
(RAMP - TWO LANE)
NB OFF-RAMP TO VENTU PARK Rd
SB OFF-RAMP TO VENTU PARK Rd



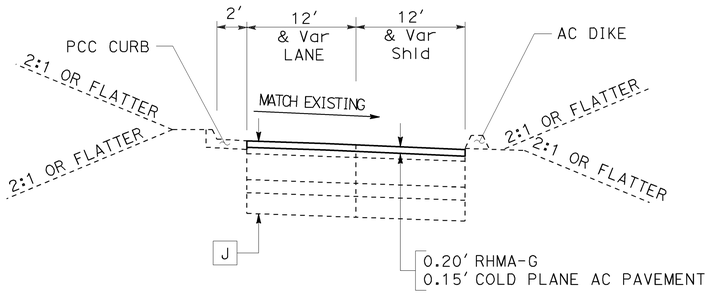
OFF-RAMP TERMINI
NB OFF-RAMP TO VENTU PARK Rd
SB OFF-RAMP TO VENTU PARK Rd



RAMP - ONE LANE
NB OFF-RAMP TO VENTU PARK Rd



NB ON-RAMP FROM NB VENTU PARK Rd
NB ON-RAMP FROM SB VENTU PARK Rd
SB ON-RAMP FROM NB VENTU PARK Rd
SB ON-RAMP FROM SB VENTU PARK Rd



RAMP - ONE LANE
NB OFF-RAMP TO VENTU PARK Rd
SB OFF-RAMP TO VENTU Rd

RAMPS - VENTU PARK Rd

TYPICAL CROSS SECTIONS

NO SCALE

X-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
OFFICE OF DESIGN B
FUNCTIONAL SUPERVISOR: M. OJI KALU
CALCULATED-DESIGNED BY: ANDY LIAO
CHECKED BY: QUANG V THAI
REVISED BY
DATE REVISED

LAST REVISION: 00-00-00
DATE PLOTTED => 25-AUG-2010
TIME PLOTTED => 13:57

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150ca007.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1806
PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	9	107

7/27/10
REGISTERED CIVIL ENGINEER DATE

8/16/10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ANDY C. LIAO
No. 57416
Exp. 12/31/11
CIVIL
STATE OF CALIFORNIA

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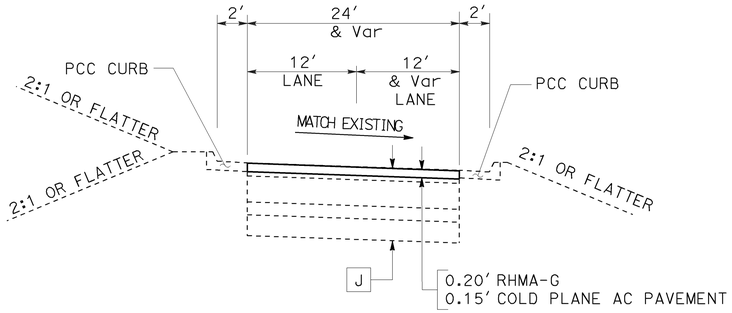
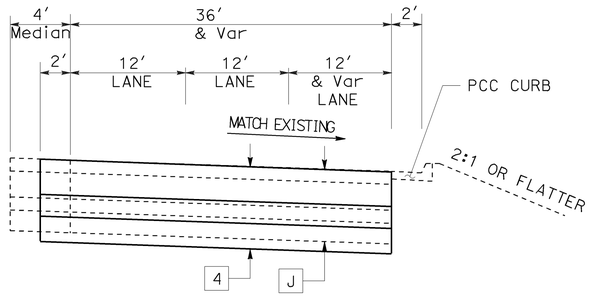
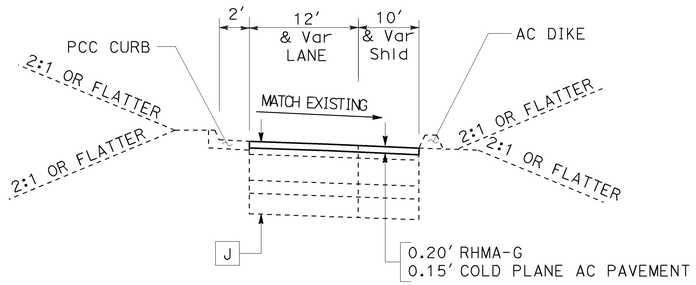


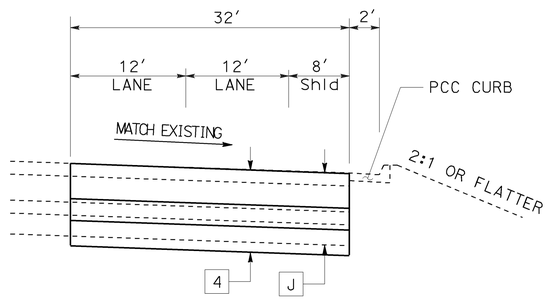
RAMP - TWO LANE
SB ON-RAMP FROM N WENDY Dr
NB OFF-RAMP TO N WENDY Dr



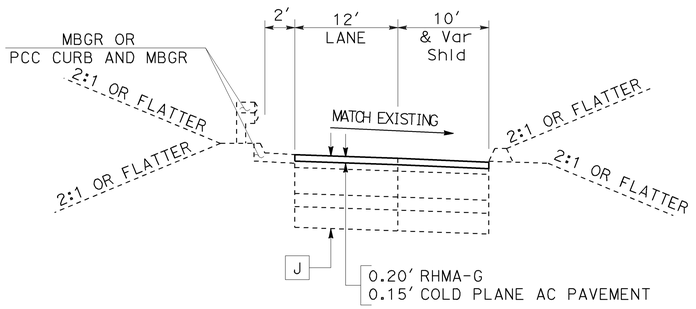
OFF-RAMP TERMINI
NB OFF-RAMP TO N WENDY Dr



RAMP - ONE LANE
NB OFF-RAMP TO N WENDY Dr
NB ON-RAMP FROM N WENDY Dr
NB ON-RAMP FROM SB N WENDY Dr



OFF-RAMP TERMINI
SB OFF-RAMP TO N WENDY Dr



SB OFF-RAMP TO N WENDY Dr

RAMPS - N WENDY Dr

TYPICAL CROSS SECTIONS

NO SCALE

X-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
OFFICE OF DESIGN B
FUNCTIONAL SUPERVISOR: M. OJI KALU
CALCULATED-DESIGNED BY: ANDY LIAO
CHECKED BY: QUANG V THAI
REVISED BY
DATE REVISED
LAST REVISION DATE PLOTTED => 25-AUG-2010
TIME PLOTTED => 13:57
00-00-00

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150ca008.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1806
PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	10	107

REGISTERED CIVIL ENGINEER — DATE 7/27/10

PLANS APPROVAL DATE 8/16/10

ANDY C. LIAO No. 57416 Exp. 12/31/11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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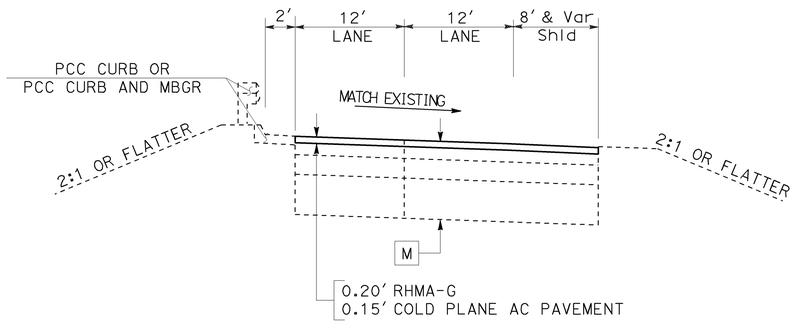
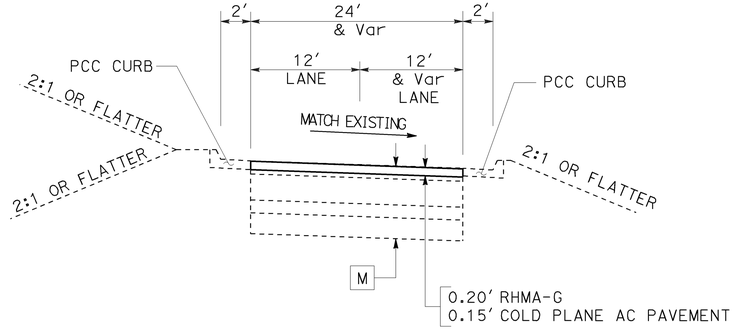
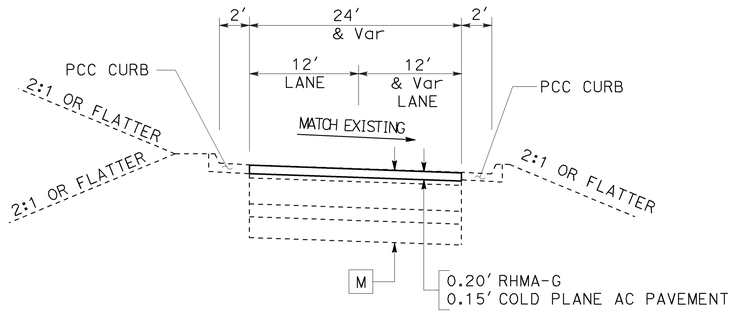


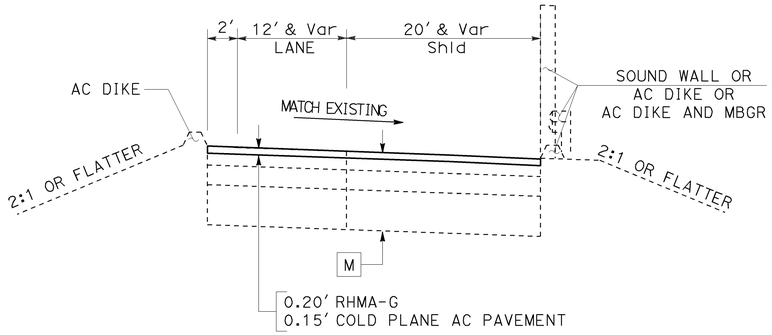
RAMP - TWO LANE
NB OFF-RAMP TO RANCHO CONEJO Blvd



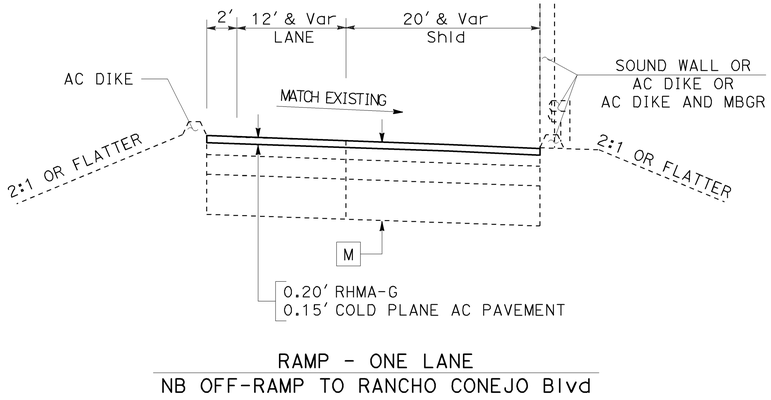
RAMP - TWO LANE
NB OFF-RAMP TO BORCHARD Rd



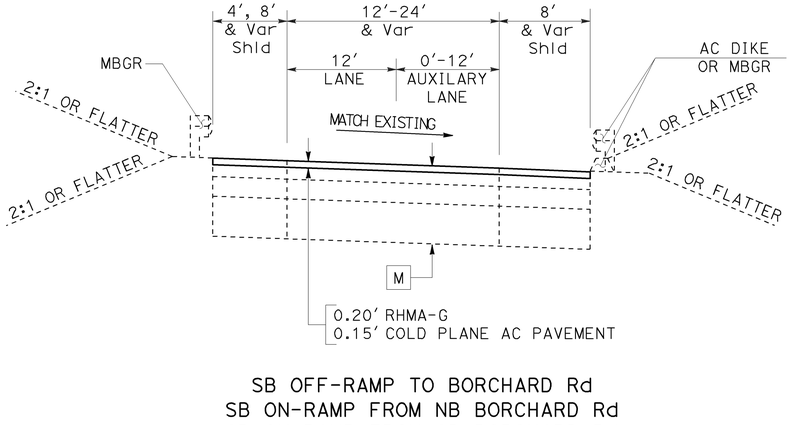
RAMP - TWO LANE
NB ON-RAMP FROM RANCHO CONEJO Blvd



RAMP - ONE LANE
NB OFF-RAMP TO BORCHARD Rd



RAMP - ONE LANE
NB OFF-RAMP TO RANCHO CONEJO Blvd
NB ON-RAMP FROM RANCHO CONEJO Blvd



SB OFF-RAMP TO BORCHARD Rd
SB ON-RAMP FROM NB BORCHARD Rd
SB ON-RAMP FROM SB BORCHARD Rd

RAMPS - RANCHO CONEJO Blvd

RAMPS - BORCHARD Rd

TYPICAL CROSS SECTIONS

NO SCALE

X-9

REVISED BY | DATE REVISED
ANDY LIAO | QUANG V THAI
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: M. OJI KALU

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® OFFICE OF DESIGN B

LAST REVISION DATE PLOTTED => 25-AUG-2010
00-00-00 TIME PLOTTED => 13:57

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150ca009.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1806 | PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	11	107

REGISTERED CIVIL ENGINEER — DATE 7/27/10

PLANS APPROVAL DATE 8/16/10

ANDY C. LIAO No. 57416 Exp. 12/31/11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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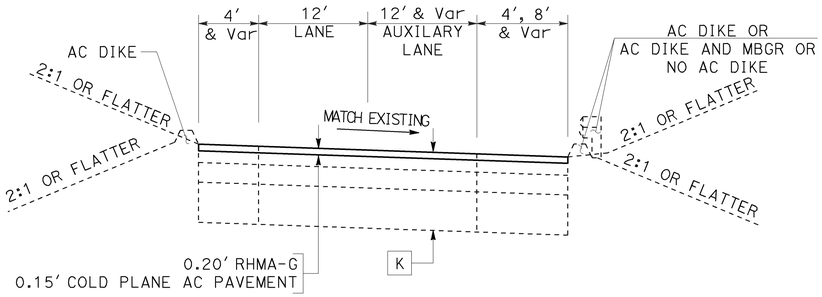
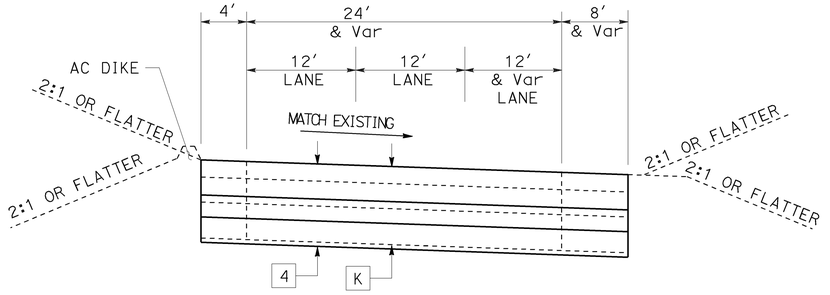
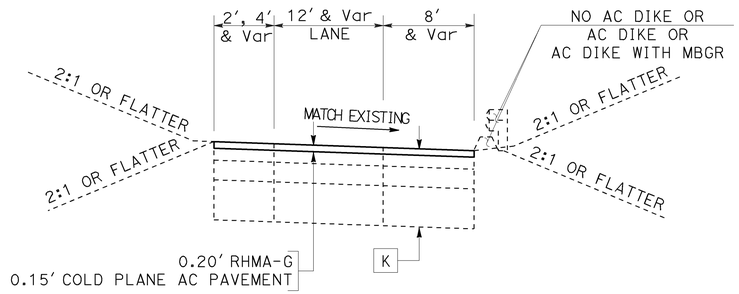


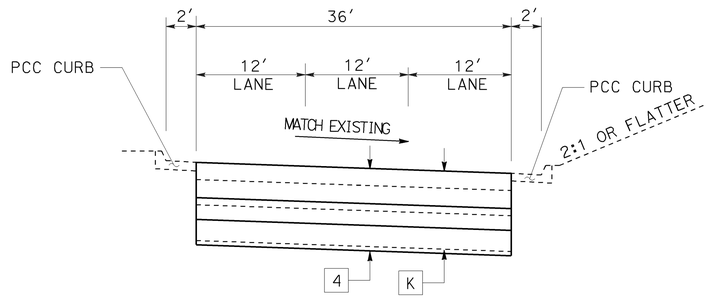
RAMP - TWO LANE
NB OFF-RAMP TO PLEASANT VALLEY Rd
NB ON-RAMP FROM SB PLEASANT VALLEY Rd



OFF-RAMP TERMINI
NB OFF-RAMP TO PLEASANT VALLEY Rd

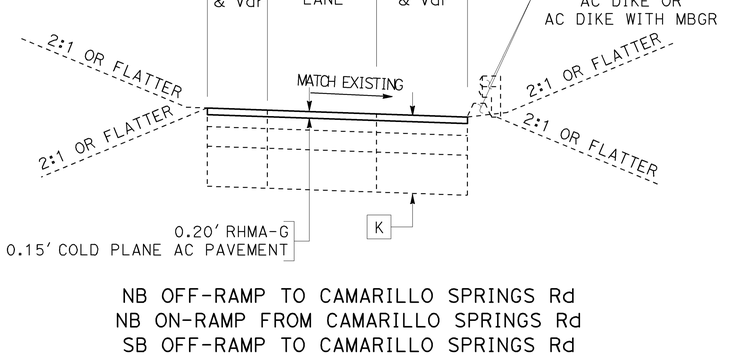


RAMP - ONE LANE
NB OFF-RAMP TO PLEASANT VALLEY Rd
NB ON-RAMP FROM NB PLEASANT VALLEY Rd
SB OFF-RAMP TO PLEASANT VALLEY Rd
SB ON-RAMP FROM PLEASANT VALLEY Rd
SB ON-RAMP FROM NB PLEASANT VALLEY Rd

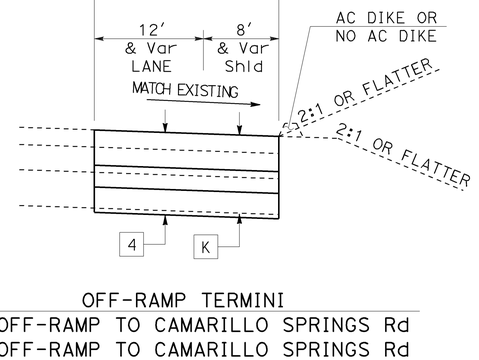


OFF-RAMP TERMINI
SB OFF-RAMP TO PLEASANT VALLEY Rd

RAMPS - PLEASANT VALLEY Rd



NB OFF-RAMP TO CAMARILLO SPRINGS Rd
NB ON-RAMP FROM CAMARILLO SPRINGS Rd
SB OFF-RAMP TO CAMARILLO SPRINGS Rd
SB ON-RAMP FROM CAMARILLO SPRINGS Rd



OFF-RAMP TERMINI
NB OFF-RAMP TO CAMARILLO SPRINGS Rd
SB OFF-RAMP TO CAMARILLO SPRINGS Rd

RAMPS - CAMARILLO SPRINGS Rd

TYPICAL CROSS SECTIONS

NO SCALE

X-10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® OFFICE OF DESIGN B
FUNCTIONAL SUPERVISOR: M. OJI KALU
CALCULATED-DESIGNED BY: ANDY LIAO
CHECKED BY: QUANG V THAI
REVISED BY / DATE REVISED

LAST REVISION — DATE PLOTTED => 25-AUG-2010 — TIME PLOTTED => 13:57 — 00-00-00

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150ca010.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1806 | PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	12	107

REGISTERED CIVIL ENGINEER — DATE 7/27/10

ANDY C. LIAO No. 57416 Exp. 12/31/11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

8/16/10
PLANS APPROVAL DATE

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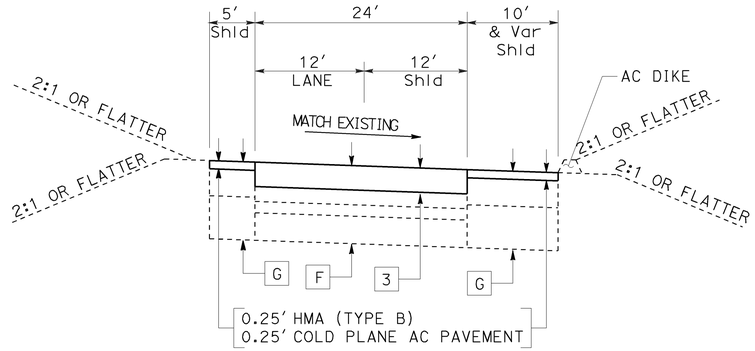
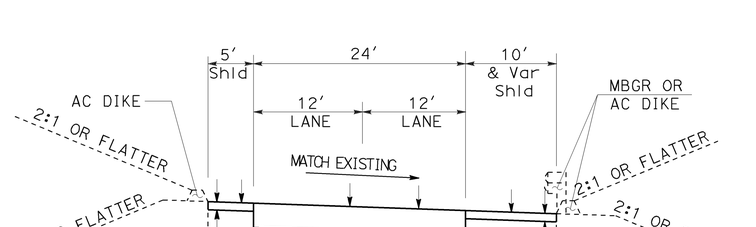


NB ROUTE 101 FROM SB ROUTE 23



NB ROUTE 101 TO NB ROUTE 23
SB ROUTE 101 TO NB ROUTE 23
SB ROUTE 101 FROM SB ROUTE 23

CONNECTOR

TYPICAL CROSS SECTIONS

NO SCALE

X-11

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
OFFICE OF DESIGN B
FUNCTIONAL SUPERVISOR: M. OJI KALU
CALCULATED-DESIGNED BY: ANDY LIAO
CHECKED BY: QUANG V THAI
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 25-AUG-2010
TIME PLOTTED => 13:57

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150ca011.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1806
PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	13	107

7/27/10
REGISTERED CIVIL ENGINEER DATE

ANDY C. LIAO No. 57416 Exp. 12/31/11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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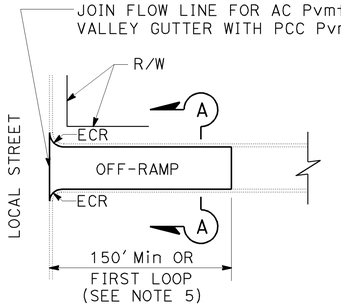
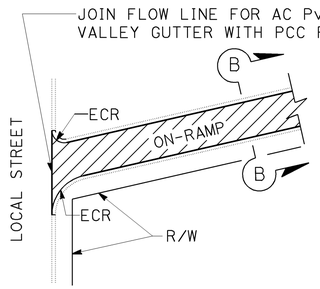


PCC RAMP TERMINUS
OFF-RAMP



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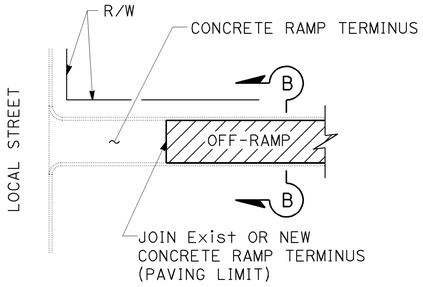

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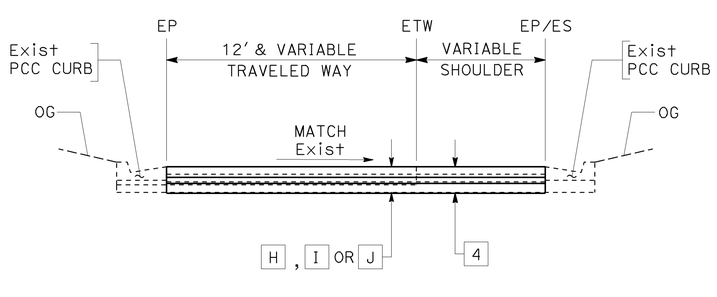
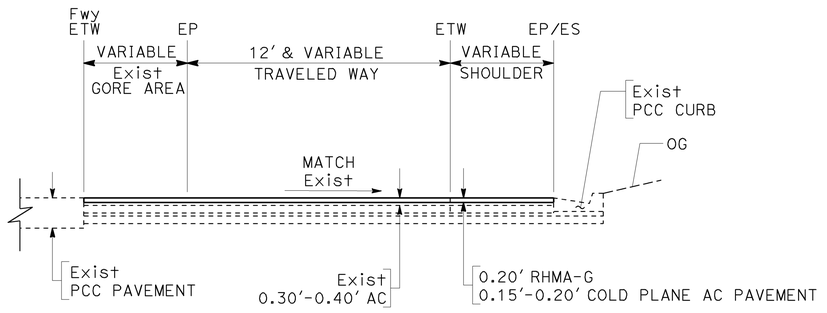
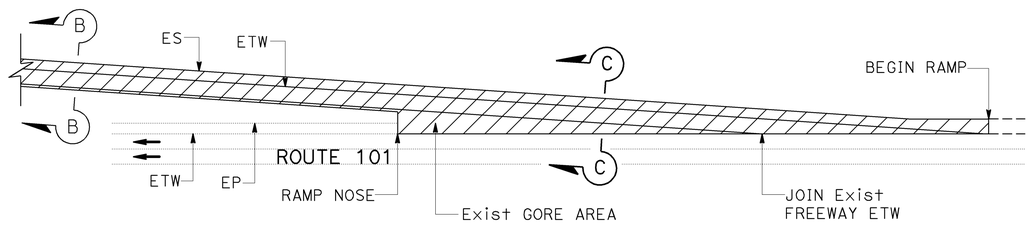


SECTION A-A

SECTION B-B



SECTION C-C



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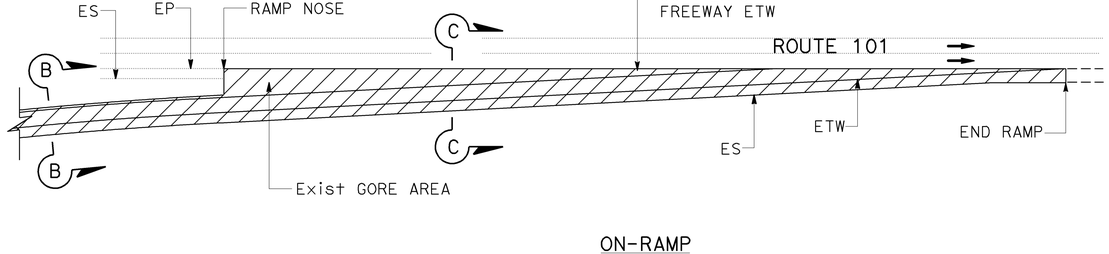

ON-RAMP

ABBREVIATION:

RHMA-G - RUBBERIZED HOT MIX ASPHALT (GAP GRADED)

LEGEND:

0.20' RHMA-G
0.15'-0.20' COLD PLANE AC PAVEMENT

NOTES:

1. FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY AND RECORD MAPS AT THE DISTRICT OFFICE.
2. Exist UTILITY FACILITIES AND DRAINAGE INLETS HAVE NOT BEEN PLOTTED ON THESE PLANS.
3. EXACT PAVING LIMITS WILL BE DETERMINED BY THE ENGINEER.
4. OMIT COLD PLANING AND AC ON BRIDGE DECKS, PCC RAMP TERMINI AND PCC PAVEMENT.
5. 150' MINIMUM FOR UNSIGNALIZED INTERSECTION OR THE FIRST LOOP FOR SIGNALIZED INTERSECTION

TYPICAL RAMP PAVING DETAILS

CONSTRUCTION DETAILS

NO SCALE

C-1

CALCULATED-DESIGNED BY
CHECKED BY
ANDY LIAO
CASIMIRO BAUTISTA
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR
M. OJI KALU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
OFFICE OF DESIGN B

LAST REVISION DATE PLOTTED => 25-AUG-2010
00-00-00 TIME PLOTTED => 13:57

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150ga001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1806
PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	14	107

REGISTERED CIVIL ENGINEER — DATE 7/27/10

ANDY C. LIAO No. 57416 Exp. 12/31/11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

8/16/10
PLANS APPROVAL DATE

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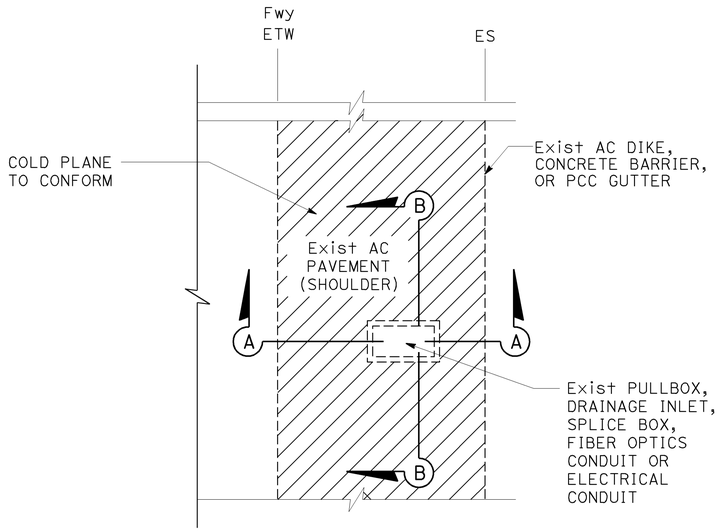
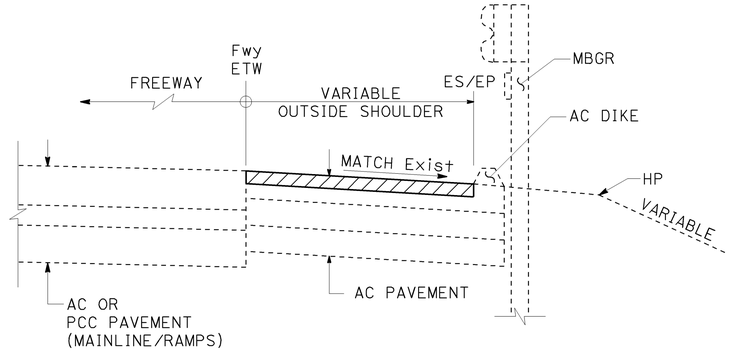


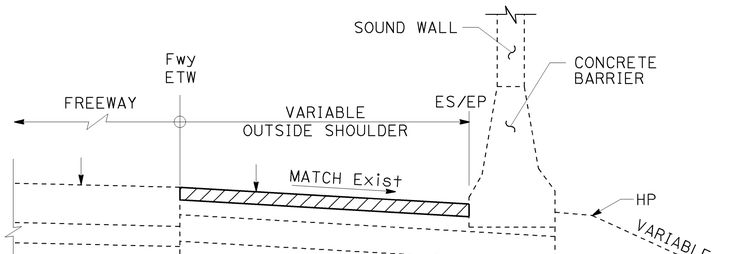
FIBER OPTIC PULLBOX, DRAINAGE INLET OR SPLICEBOX (VARIOUS LOCATIONS)



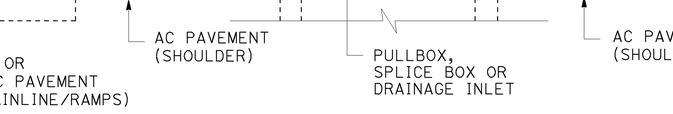
TYPICAL AT METAL BEAM GUARD RAILING

LEGEND:

0.20' RHMA-G
0.15'-0.20' COLD PLANE AC PAVEMENT

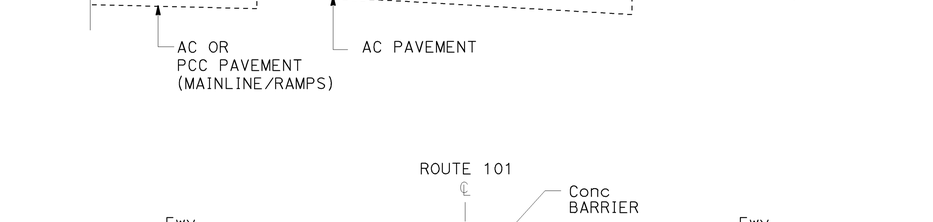


SECTION A-A



SECTION B-B

TYPICAL FIBER OPTIC PULLBOX, SPLICE BOX OR DRAINAGE INLET



TYPICAL AT CONCRETE BARRIER

CONSTRUCTION DETAILS

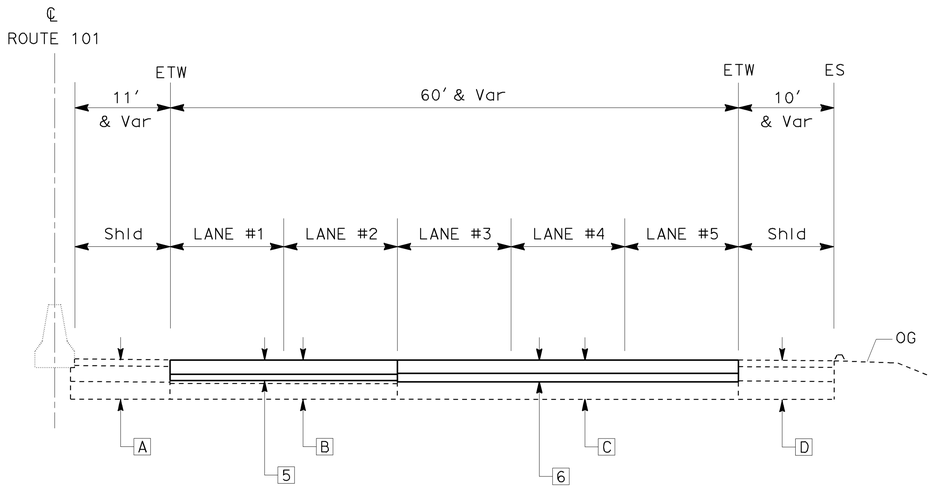
NO SCALE

C-2

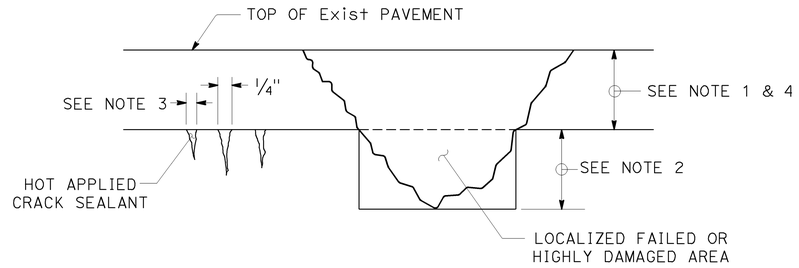
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® OFFICE OF DESIGN B
FUNCTIONAL SUPERVISOR: M. OJI KALU
CALCULATED-DESIGNED BY: ANDY LIAO
CHECKED BY: CASIMIRO BAUTISTA
REVISED BY
DATE REVISED

LAST REVISION: DATE PLOTTED => 25-AUG-2010 TIME PLOTTED => 13:57
00-00-00

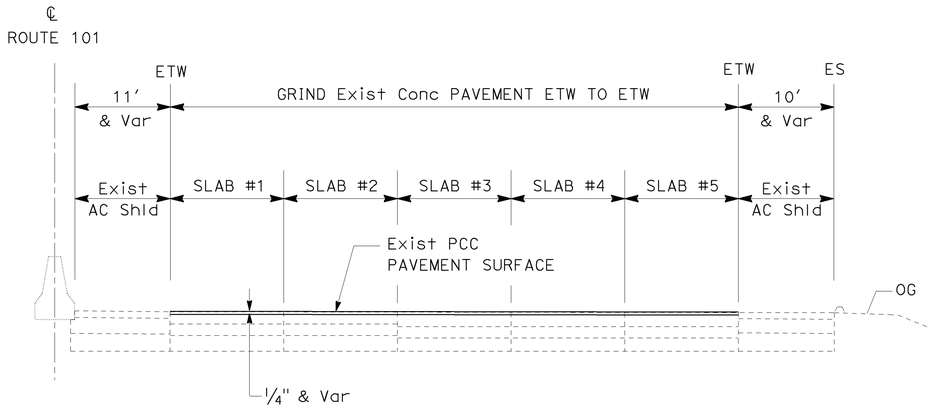
BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 DGN FILE => 725150ga002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1806 | PROJECT NUMBER & PHASE 07000201601



TYPICAL DETAIL FOR REPLACE CONCRETE PAVEMENT (RSC) WITH DAMAGED BASE



TYPICAL DETAIL FOR SEAL RANDOM CRACKS AND REPAIR FAILED AREAS



TYPICAL DETAIL FOR PCC GRINDING (VARIOUS LOCATIONS)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	15	107

7/27/10
REGISTERED CIVIL ENGINEER DATE

8/16/10
PLANS APPROVAL DATE

ANDY C. LIAO No. 57416 Exp. 12/31/11 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. COLD PLANE THE PLANED THICKNESS OF EXISTING AC PAVEMENT.
2. REMOVE LOCALIZED FAILED AREAS AND REPLACE WITH MINIMUM 0.15′ HMA (TYPE B).
3. SEAL CRACKS GREATER THAN ¼" WITH HOT APPLIED CRACK SEALANT.
4. REPLACE AC SURFACING WITH THE PLANED THICKNESS OF HMA (TYPE B) OR RHMA-G AFTER CRACK SEALANT HAS BEEN APPLIED FOR THE EXISTING CRACKS AND LOCALIZED FAILED AREAS HAVE BEEN REPAIRED.

PROPOSED STRUCTURAL SECTION

5
- 0.65′ REPLACE CONCRETE PAVEMENT RAPID STRENGTH CONCRETE (RSC)
- ---- BOND BREAKER
- 0.45′ LEAN CONCRETE BASE RAPID SETTING(LCBRS)

6
- 0.75′ REPLACE CONCRETE PAVEMENT RAPID STRENGTH CONCRETE (RSC)
- ---- BOND BREAKER
- 0.45′ LEAN CONCRETE BASE RAPID SETTING(LCBRS)

EXISTING STRUCTURAL SECTION

A
- 0.30′ AC (TYPE B)
- 0.55′ AB (CLASS 2)
- 0.65′ AS (CLASS 4)

B
- 0.65′ PCC
- 0.45′ RMCTB (CLASS A
- 0.60′ AB (CLASS 3)

C
- 0.75′ PCC
- 0.45′ RMCTB (CLASS A)
- 0.50′ AB (CLASS 3)

D
- 0.45′ AC (TYPE B)
- 0.65′ AB (CLASS 2)
- 0.60′ AS (CLASS 4)

CONSTRUCTION DETAILS

NO SCALE

C-3

REVISED BY | DATE REVISED
ANDY LIAO | CASIMIRO BAUTISTA
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: M. OJI KALU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® OFFICE OF DESIGN B

LAST REVISION 00-00-00 | DATE PLOTTED => 25-AUG-2010 | TIME PLOTTED => 13:57

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150ga003.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1806 | PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	16	107

7/27/10
REGISTERED CIVIL ENGINEER DATE

8/16/10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ANDY C. LIAO
No. 57416
Exp. 12/31/11
CIVIL
STATE OF CALIFORNIA

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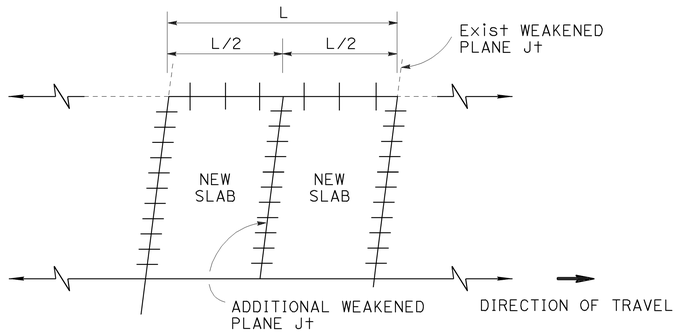
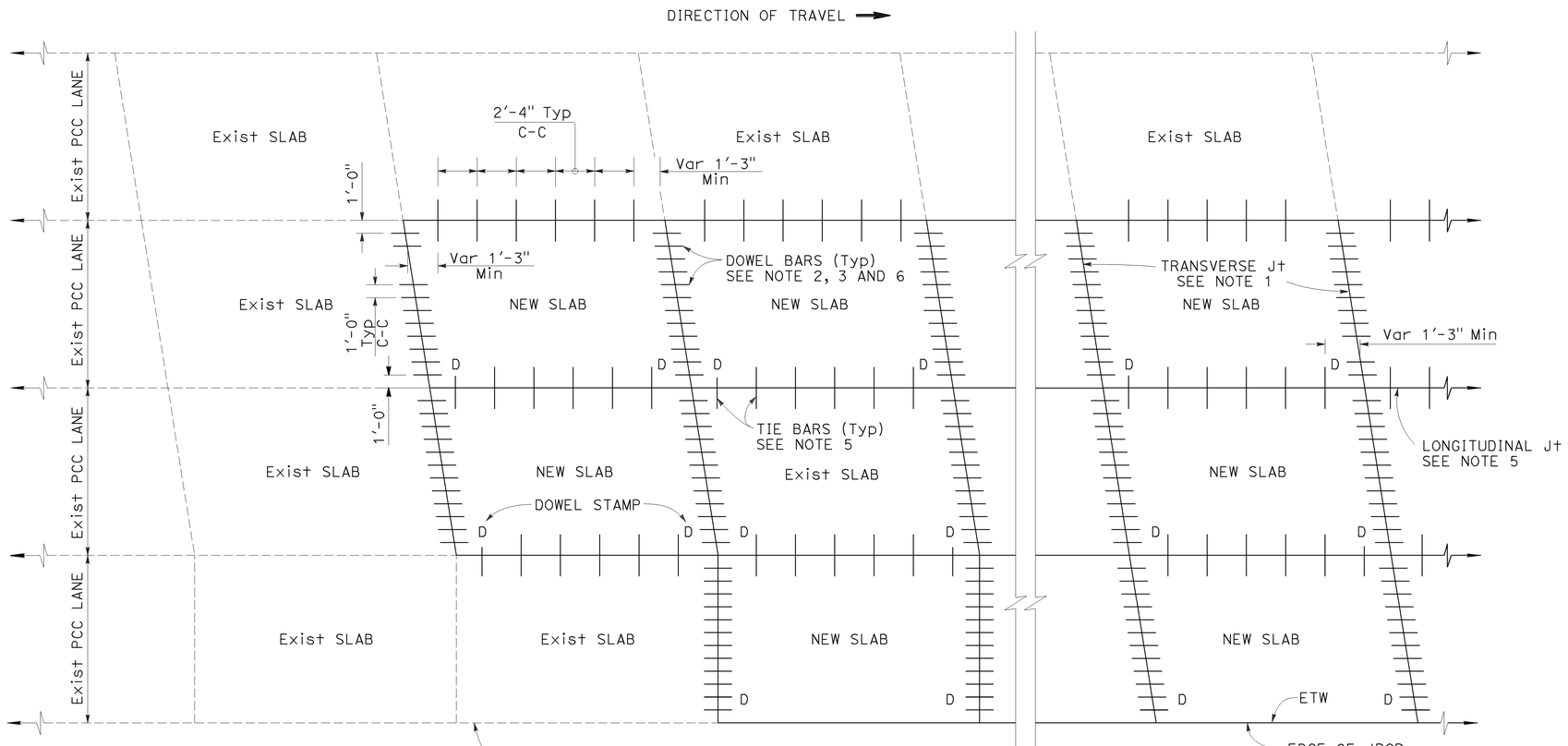
NOTES:

1. NEW TRANSVERSE JOINTS SHALL MATCH THE SKEWED OFFSET AND SPACING OF THE ADJACENT EXISTING TRANSVERSE JOINTS AS SHOWN.
2. DOWELS INSTALLED AT TRANSVERSE JOINTS SHALL BE PARALLEL TO THE DIRECTION OF TRAVEL.
3. DOWELS INSTALLED AT TRANSVERSE JOINTS BETWEEN FRESH SLABS SHALL USE DOWEL BAR BASKETS. FOR DOWEL BAR BASKET DETAILS, SEE REVISED STANDARD PLAN P10 AND CONSTRUCTION DETAILS C-5.
4. SIDE FORM SHALL BE USED WHERE EDGE OF PAVEMENT IS ADJACENT TO ASPHALT CONCRETE.
5. FOR LONGITUDINAL JOINT AND TIE BAR DETAILS, SEE REVISED STANDARD PLAN P1, P18 AND P20.
6. FOR TRANSVERSE JOINT AND DOWEL BAR DETAILS NOT SHOWN, SEE REVISED STANDARD PLAN P10, P12, AND P20.
7. SLAB LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.



ADDITIONAL WEAKENED PLANE JOINT ON NEW SLAB REPLACEMENT (LENGTH GREATER THAN 15')



PLAN

JOINTED PLAIN CONCRETE PAVEMENT REPLACEMENT
CONSTRUCTION DETAILS

NO SCALE

C-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® OFFICE OF DESIGN B
FUNCTIONAL SUPERVISOR: M. OJI KALU
CALCULATED-DESIGNED BY: ANDY LIAO
CHECKED BY: CASIMIRO BAUTISTA
REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED => 25-AUG-2010
00-00-00 | TIME PLOTTED => 13:57

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150ga004.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1806
PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	17	107

REGISTERED CIVIL ENGINEER — DATE 7/27/10

PLANS APPROVAL DATE 8/16/10

REGISTERED PROFESSIONAL ENGINEER — ANDY C. LIAO No. 57416 Exp. 12/31/11 CIVIL — STATE OF CALIFORNIA

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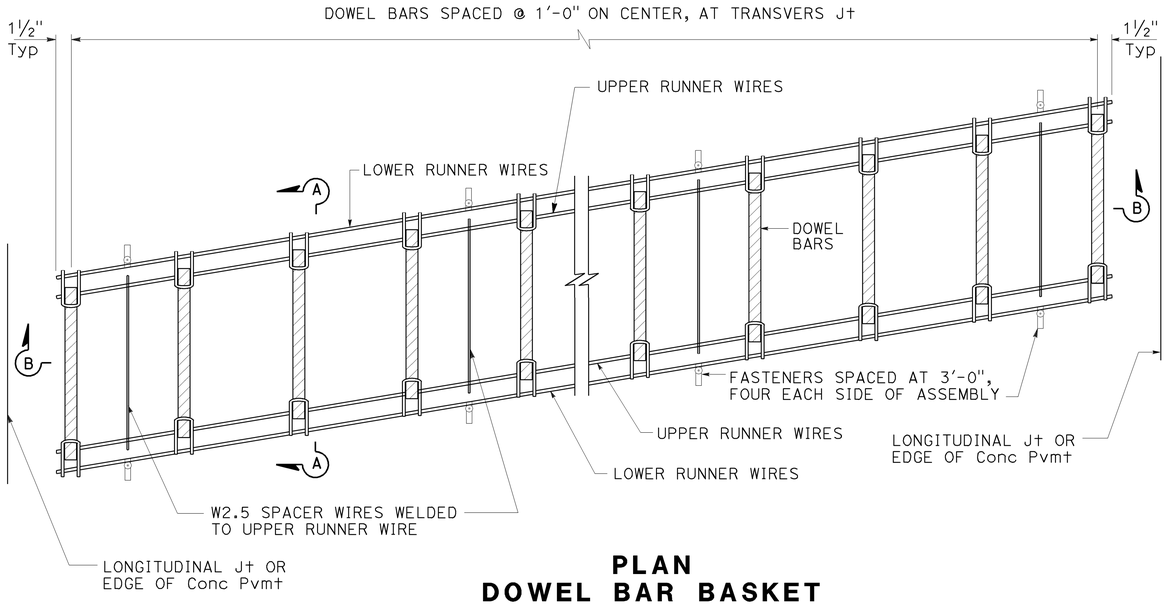
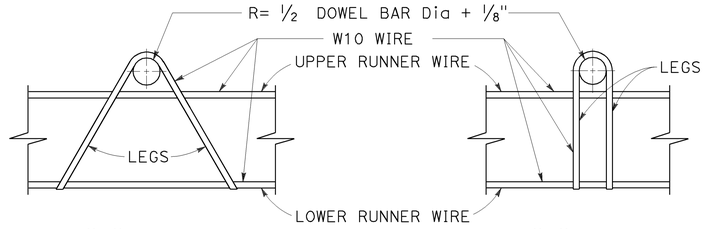


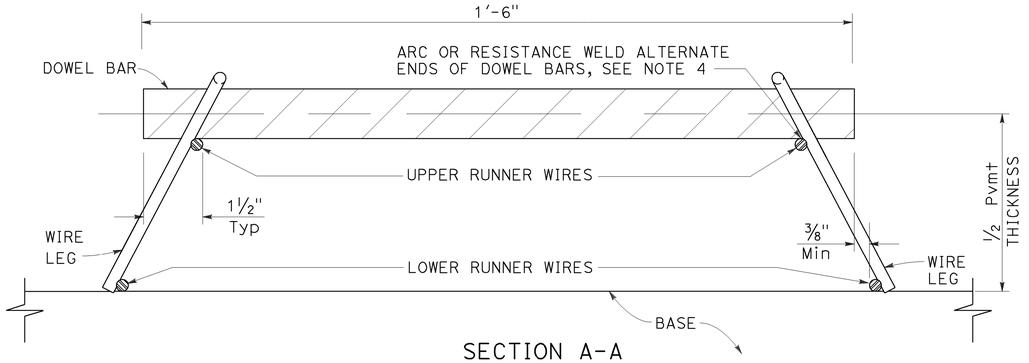
PLAN
DOWEL BAR BASKET
(SKEWED TRANSVERSE JOINT)

NOTES:

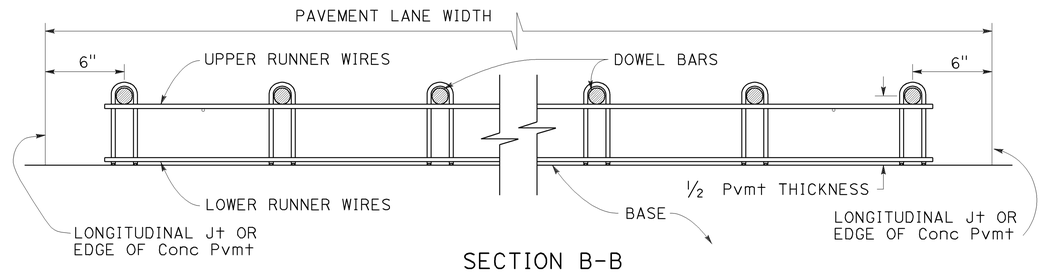
1. "U" FRAME SHAPE ASSEMBLY SHOWN. "U" FRAME SHAPE OR "A" FRAME SHAPE ARE ACCEPTABLE.
2. WIRE SIZES SHOWN ARE MINIMUM REQUIRED.
3. ALL WIRE INTERSECTIONS ARE TO BE RESISTANCE WELDED.
4. WELD MAY BE AT TOP OR BOTTOM OF DOWEL BAR.



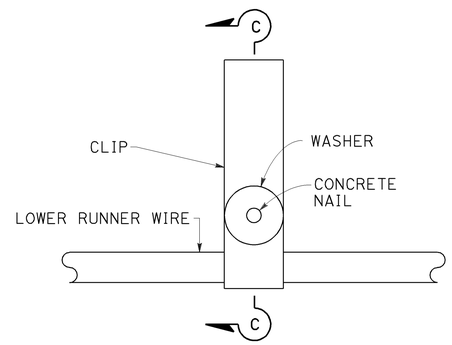
ASSEMBLY FRAME DETAILS



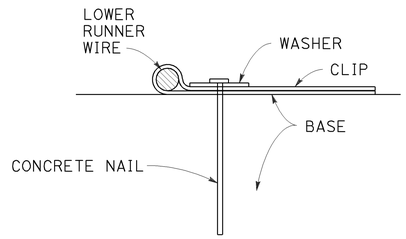
SECTION A-A



SECTION B-B
SEE NOTE 1



PLAN



SECTION C-C

FASTENER DETAILS

CONCRETE PAVEMENT-
DOWEL BAR BASKET DETAILS
CONSTRUCTION DETAILS

NO SCALE

C-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
OFFICE OF DESIGN B
FUNCTIONAL SUPERVISOR: M. OJI KALU
CALCULATED-DESIGNED BY: ANDY LIAO
CHECKED BY: CASIMIRO BAUTISTA
REVISED BY
DATE REVISED

LAST REVISION — DATE PLOTTED => 25-AUG-2010 — TIME PLOTTED => 13:57 — 00-00-00

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150ga005.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1806 | PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	18	107

REGISTERED CIVIL ENGINEER — DATE 7/27/10

PLANS APPROVAL DATE 8/16/10

ANDY C. LIAO No. 57416 Exp. 12/31/11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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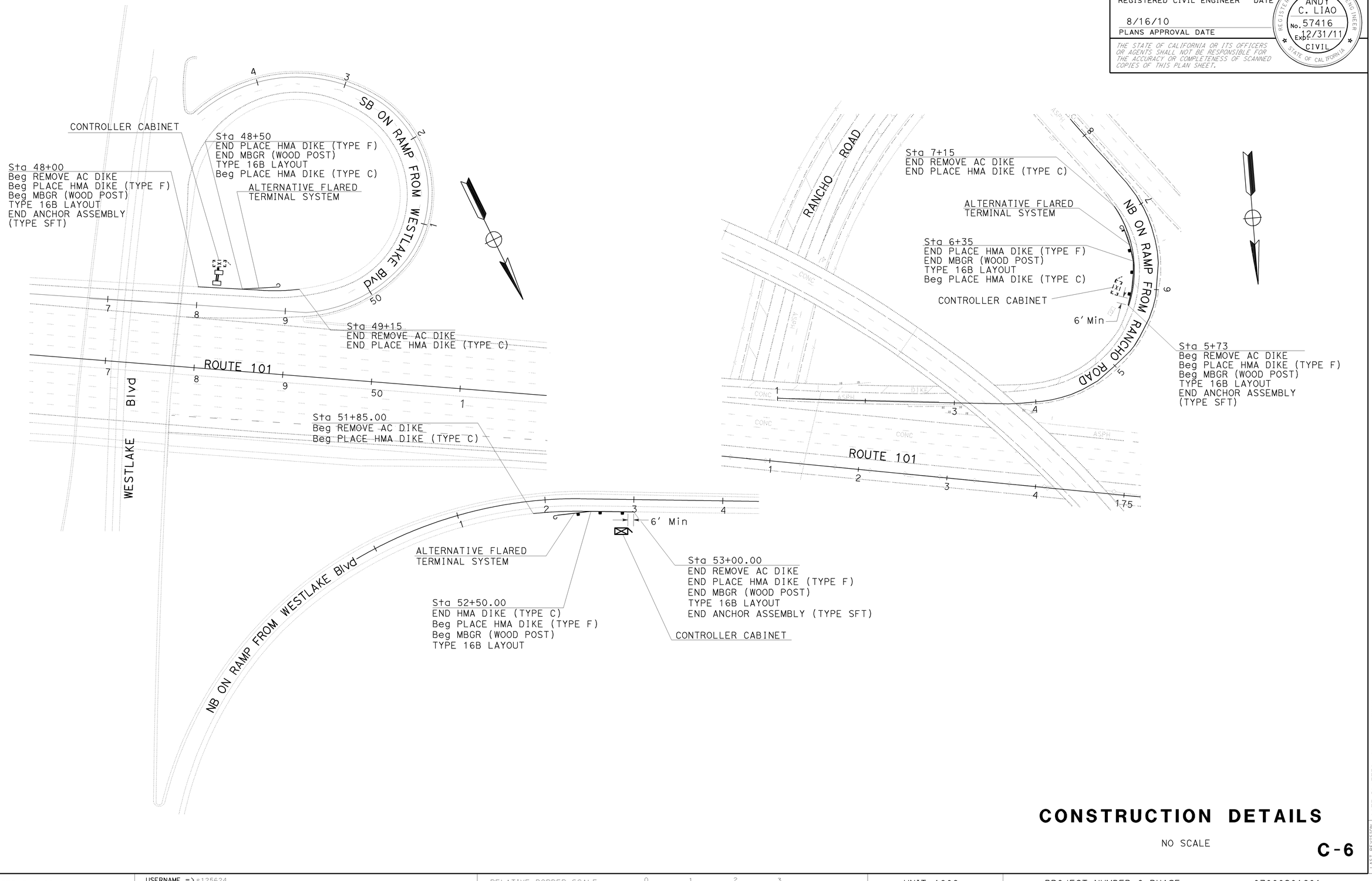

CONSTRUCTION DETAILS

NO SCALE

C-6

REVISED BY	DATE REVISED
ANDY LIAO	
QUANG V THAI	
CALCULATED-DESIGNED BY	
CHECKED BY	
FUNCTIONAL SUPERVISOR	
M. OJI KALU	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® OFFICE OF DESIGN B

LAST REVISION DATE PLOTTED => 25-AUG-2010
00-00-00 TIME PLOTTED => 13:57

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150ga006.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1806 | PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	19	107

REGISTERED CIVIL ENGINEER — DATE 7/27/10

PLANS APPROVAL DATE 8/16/10

REGISTERED PROFESSIONAL ENGINEER — ANDY C. LIAO No. 57416 Exp. 12/31/11 CIVIL — STATE OF CALIFORNIA

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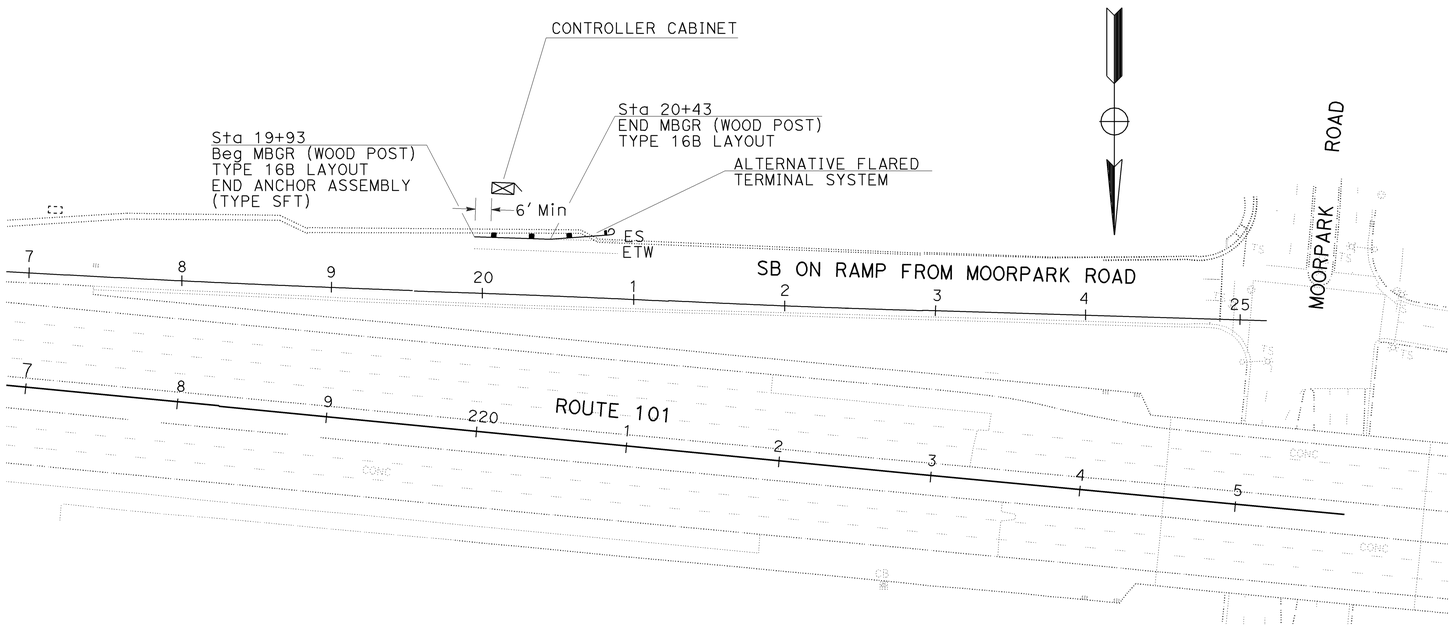

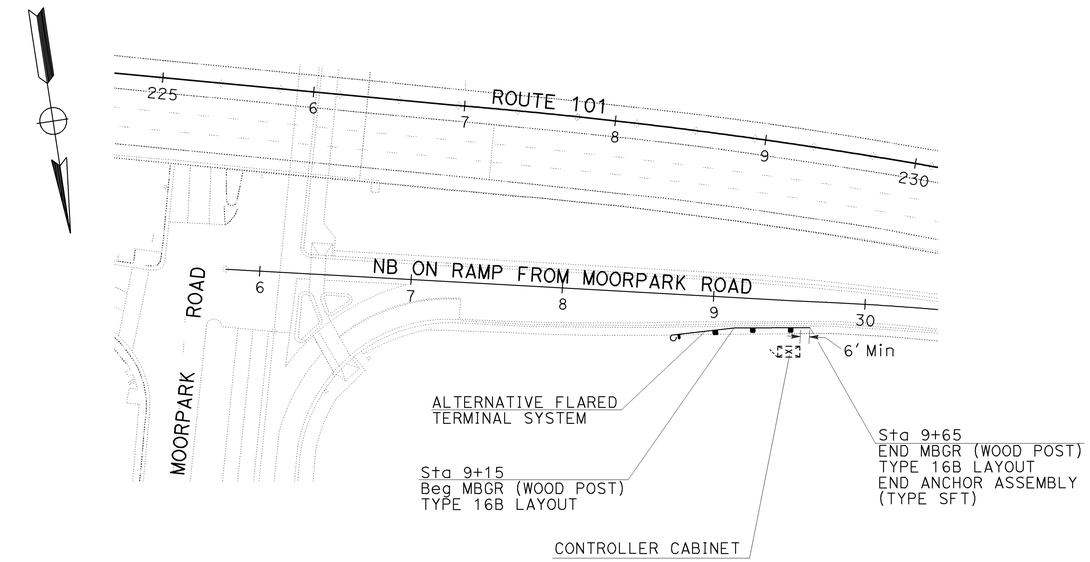

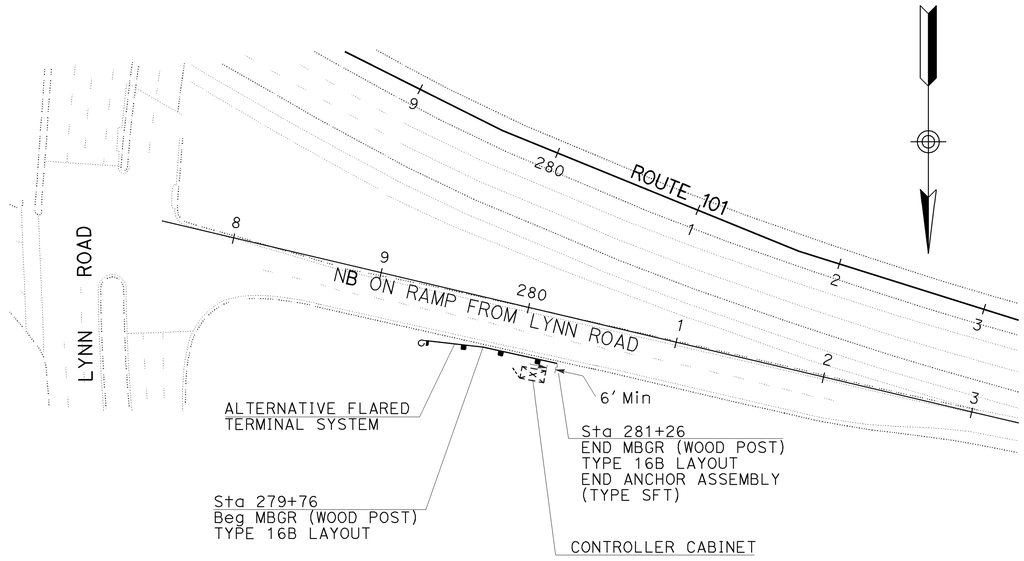

CONSTRUCTION DETAILS

NO SCALE

C-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
OFFICE OF DESIGN B
FUNCTIONAL SUPERVISOR: M. OJI KALU
CALCULATED-DESIGNED BY: ANDY LIAO
CHECKED BY: QUANG V THAI
REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED => 25-AUG-2010 | 00-00-00 | TIME PLOTTED => 13:57

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150ga007.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1806 | PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	20	107

REGISTERED CIVIL ENGINEER — DATE 7/27/10

ANDY C. LIAO No. 57416 Exp. 12/31/11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

PLANS APPROVAL DATE 8/16/10

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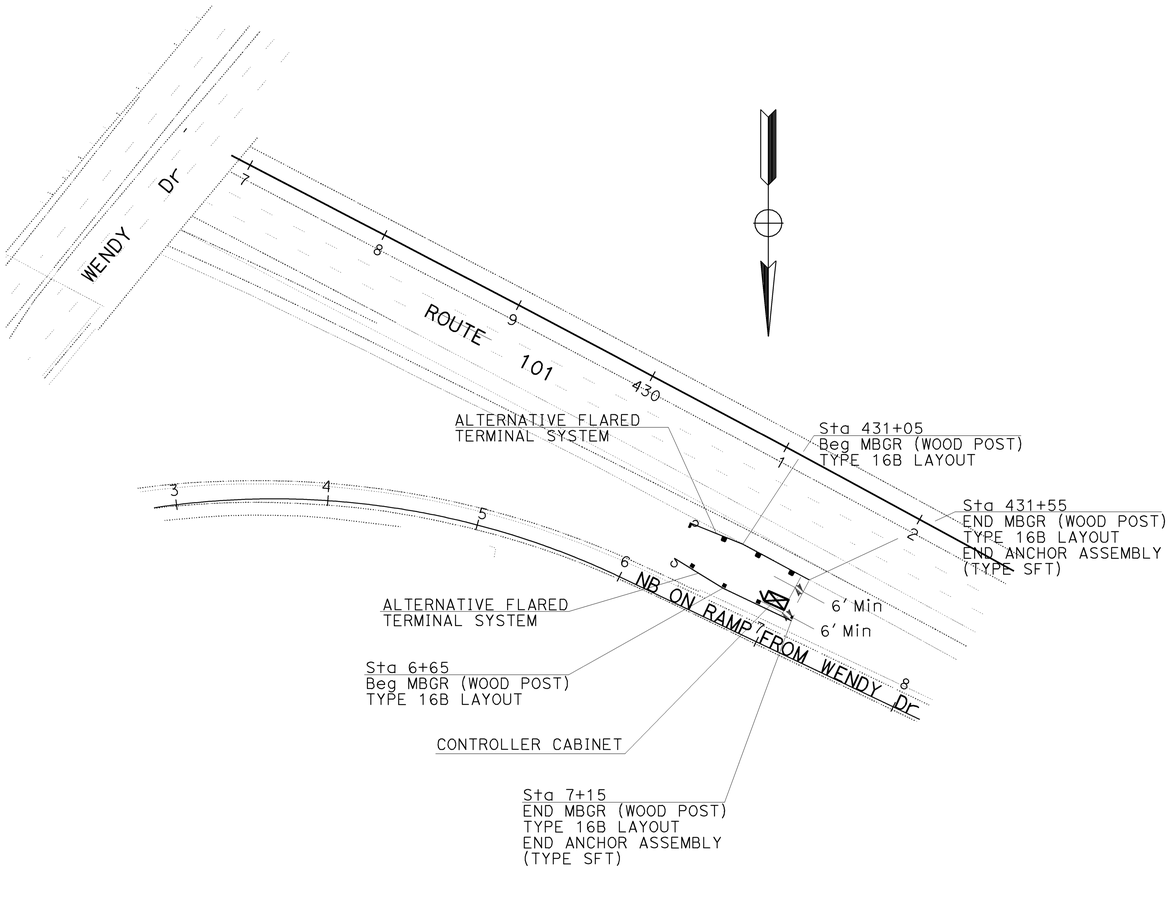
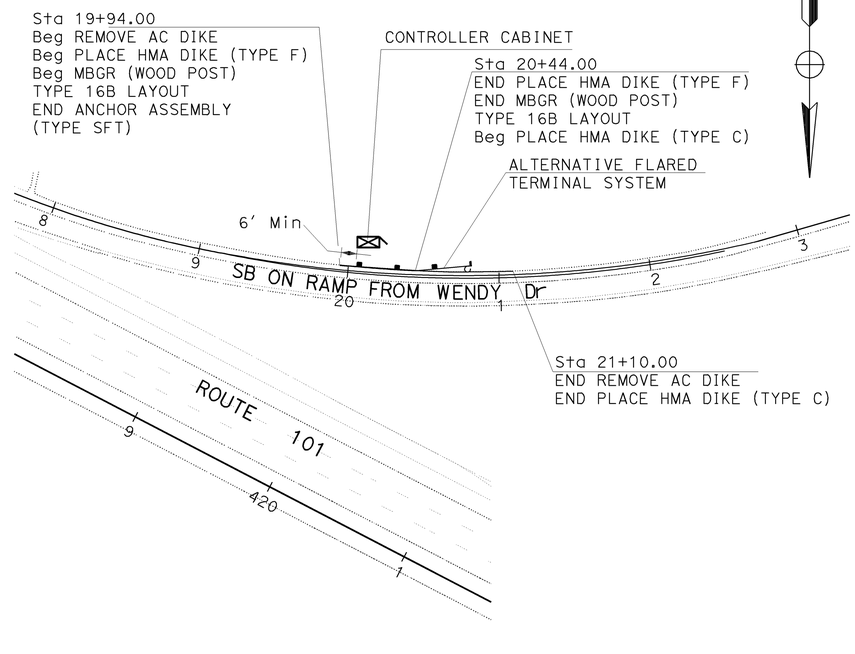




CONSTRUCTION DETAILS

NO SCALE

C-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® OFFICE OF DESIGN B
FUNCTIONAL SUPERVISOR: M. OJI KALU
CALCULATED-DESIGNED BY: ANDY LIAO
CHECKED BY: CASIMIRO BAUTISTA
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 25-AUG-2010
00-00-00 TIME PLOTTED => 13:57

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150ga008.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1806
PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	21	107

7/15/10
REGISTERED CIVIL ENGINEER DATE

8/16/10
PLANS APPROVAL DATE

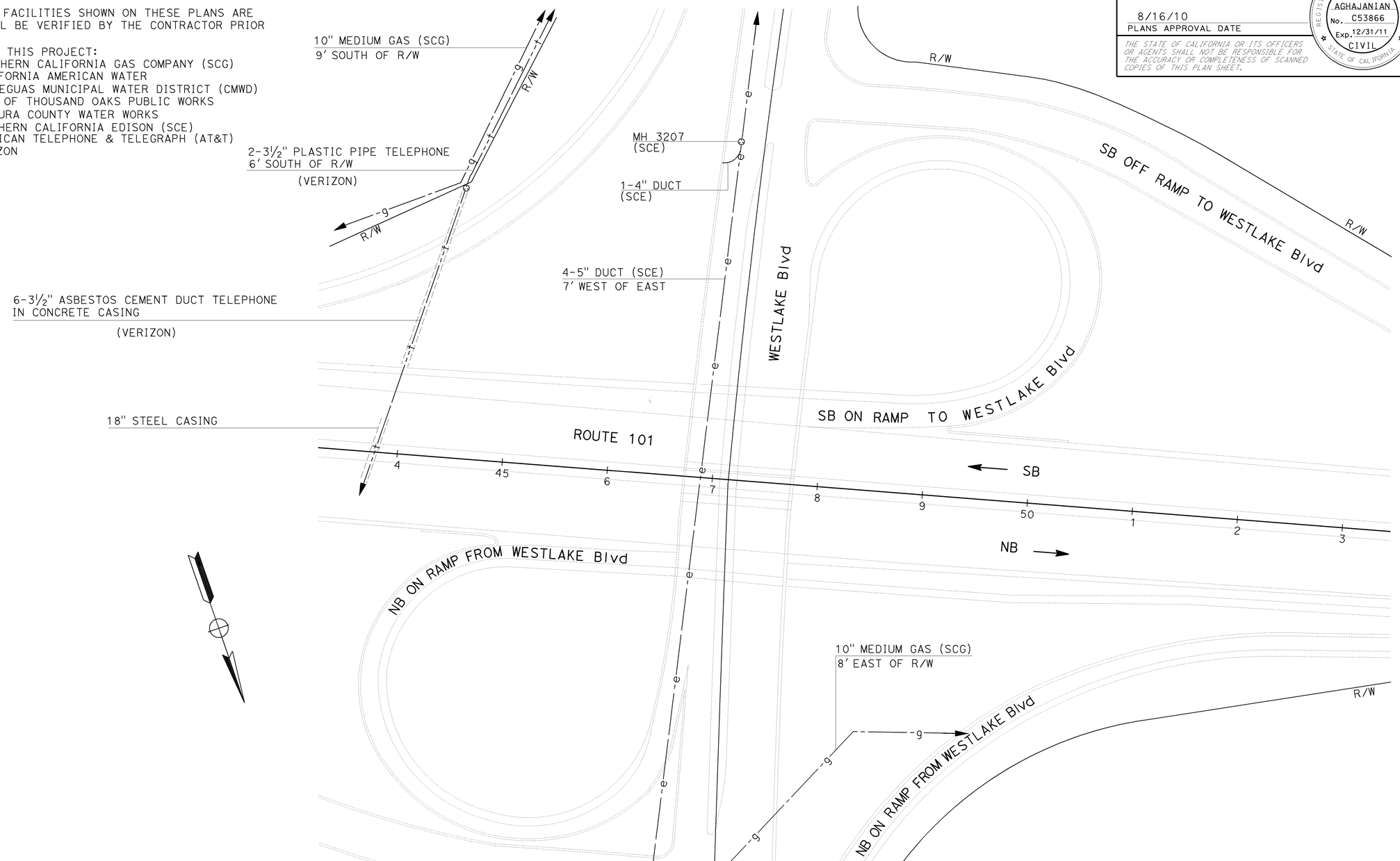
REGISTERED PROFESSIONAL ENGINEER
HAYKAZ AGHAJANIAN
No. C53866
Exp. 12/31/11
CIVIL
STATE OF CALIFORNIA

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:

1. FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.
2. LOCATIONS OF UTILITY FACILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
3. UTILITY OWNERSHIP ON THIS PROJECT:

GAS	- SOUTHERN CALIFORNIA GAS COMPANY (SCG)
WATER	- CALIFORNIA AMERICAN WATER
	- CALLEGUAS MUNICIPAL WATER DISTRICT (CMWD)
	- CITY OF THOUSAND OAKS PUBLIC WORKS
	- VENTURA COUNTY WATER WORKS
ELECTRIC	- SOUTHERN CALIFORNIA EDISON (SCE)
	- AMERICAN TELEPHONE & TELEGRAPH (AT&T)
TELEPHONE	- VERIZON



UTILITY PLAN

SCALE 1" = 50'

U-1

VUONG HONG — CALCULATED-DESIGNED BY
HAYKAZ AGHAJANIAN — CHECKED BY
REVISED BY — DATE REVISED
FUNCTIONAL SUPERVISOR: HAYKAZ AGHAJANIAN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION DATE PLOTTED => 25-AUG-2010
00-00-00 TIME PLOTTED => 13:57

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150ka001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1878
PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	22	107

REGISTERED CIVIL ENGINEER — 7/15/10 DATE

HAYKAZ AGHAJANIAN No. C53866 Exp. 12/31/11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

8/16/10
PLANS APPROVAL DATE

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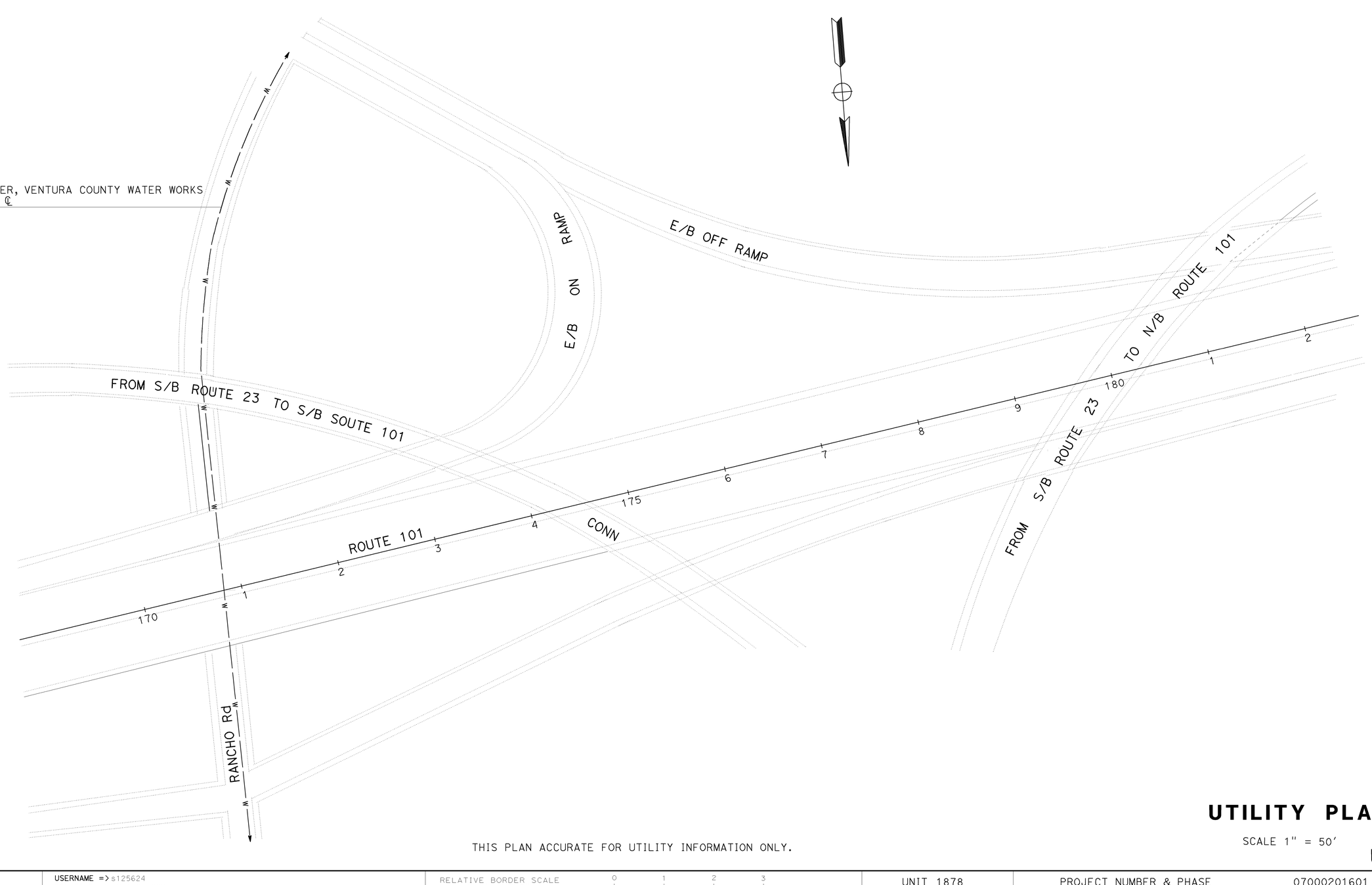
NOTE:

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



THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY.

UTILITY PLAN

SCALE 1" = 50'

U-2

CALCULATED-DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED
OHANNES ANSERLIAN	HAYKAZ AGHAJANIAN		

FUNCTIONAL SUPERVISOR: HAYKAZ AGHAJANIAN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION 00-00-00
DATE PLOTTED => 25-AUG-2010
TIME PLOTTED => 13:57

BORDER LAST REVISED 7/2/2010

USERNAME => s125624
DGN FILE => 725150ka002.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1878

PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	23	107

REGISTERED CIVIL ENGINEER — DATE 7/15/10

HAYKAZ AGHAJANIAN No. C53866 Exp.12/31/11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

8/16/10
PLANS APPROVAL DATE

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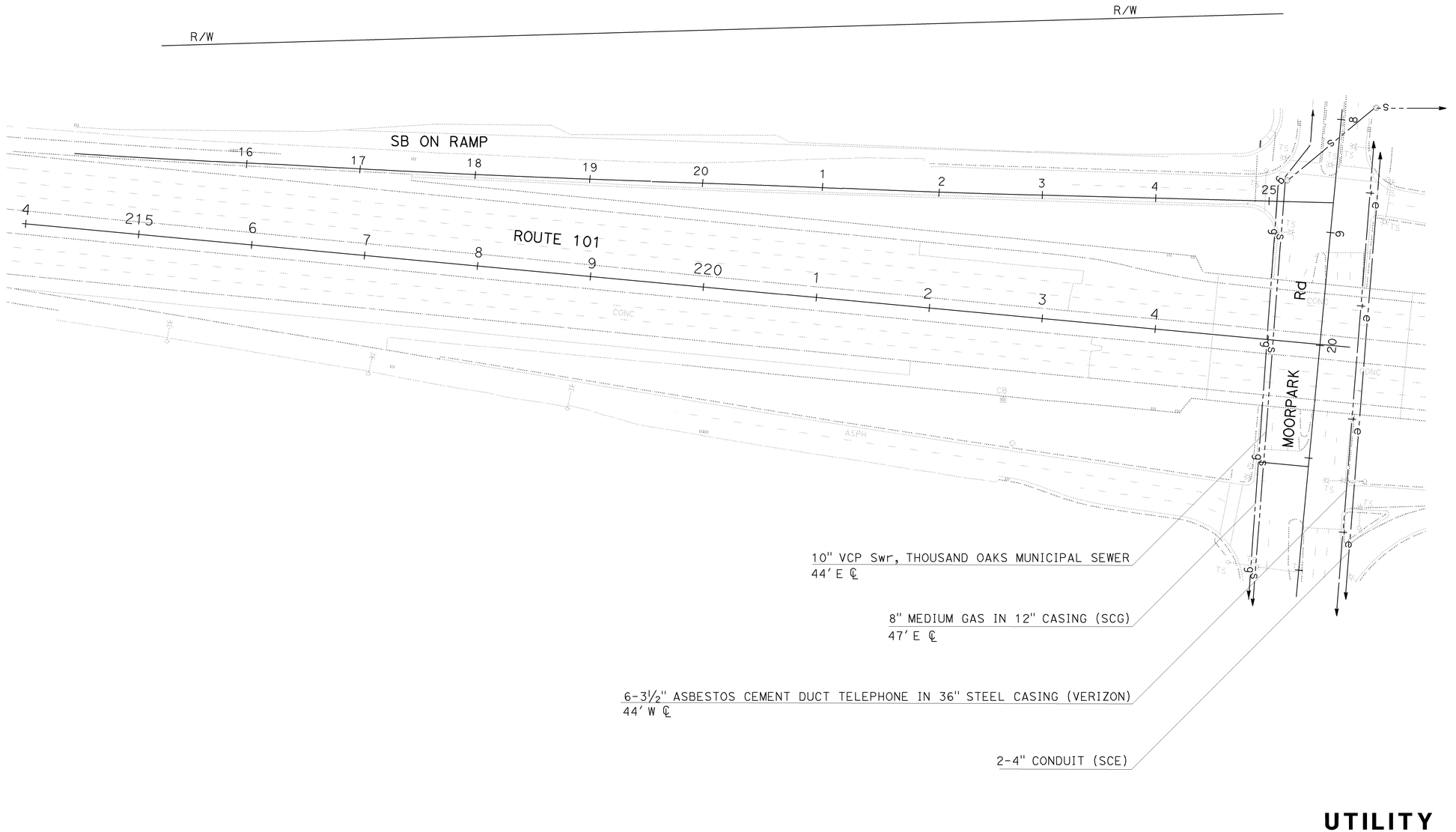
NOTE:

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



THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY.

UTILITY PLAN

SCALE 1" = 50'

U-3

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: HOSSAN KIAN
CHECKED BY: HAYKAZ AGHAJANIAN
FUNCTIONAL SUPERVISOR: HAYKAZ AGHAJANIAN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION: 00-00-00
DATE PLOTTED => 25-AUG-2010
TIME PLOTTED => 13:57

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	24	107

REGISTERED CIVIL ENGINEER — DATE 7/15/10

HAYKAZ AGHAJANIAN No. C53866 Exp.12/31/11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

8/16/10
PLANS APPROVAL DATE

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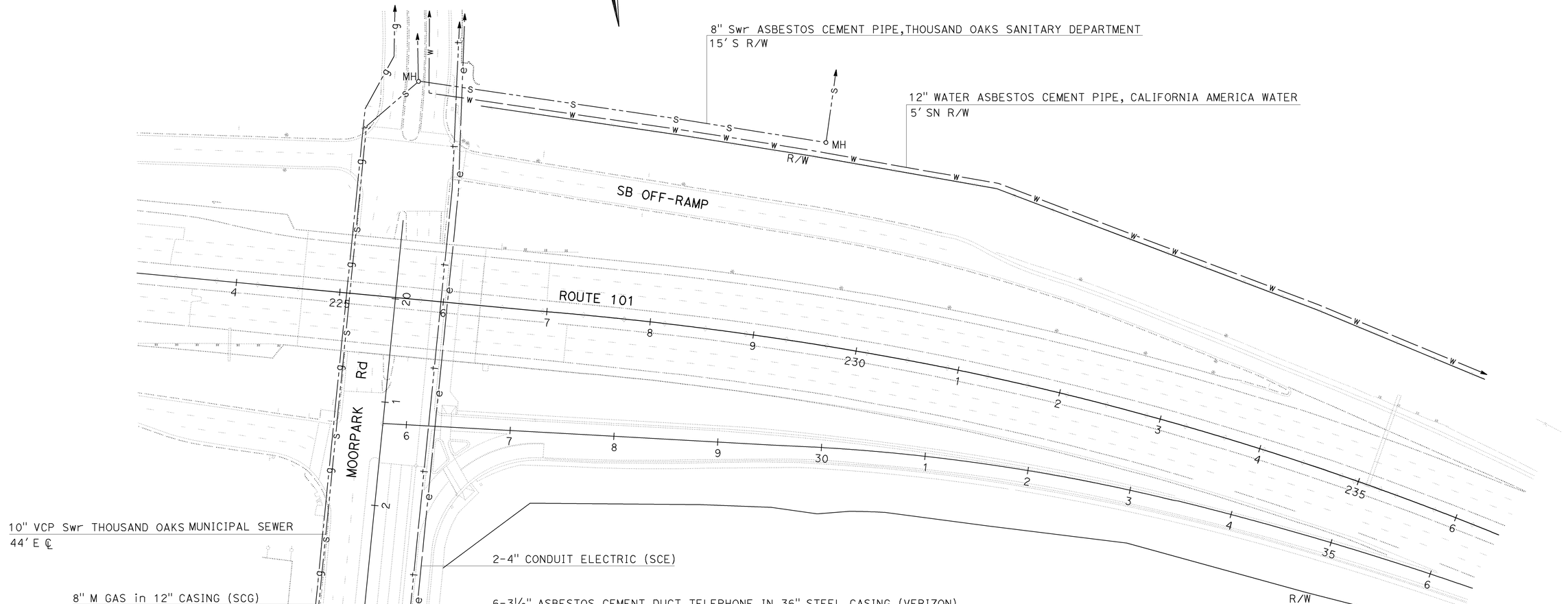
NOTE:

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



UTILITY PLAN

SCALE 1" = 50'

THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY.

U-4

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: CESAR HERNANDEZ
CHECKED BY: HAYKAZ AGHAJANIAN

FUNCTIONAL SUPERVISOR: HAYKAZ AGHAJANIAN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC DESIGN

LAST REVISION 00-00-00 | DATE PLOTTED => 25-AUG-2010 | TIME PLOTTED => 13:58

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150ka004.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1878 | PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	25	107

REGISTERED CIVIL ENGINEER — DATE 7/15/10

HAYKAZ AGHAJANIAN No. C53866 Exp. 12/31/11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

8/16/10
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:

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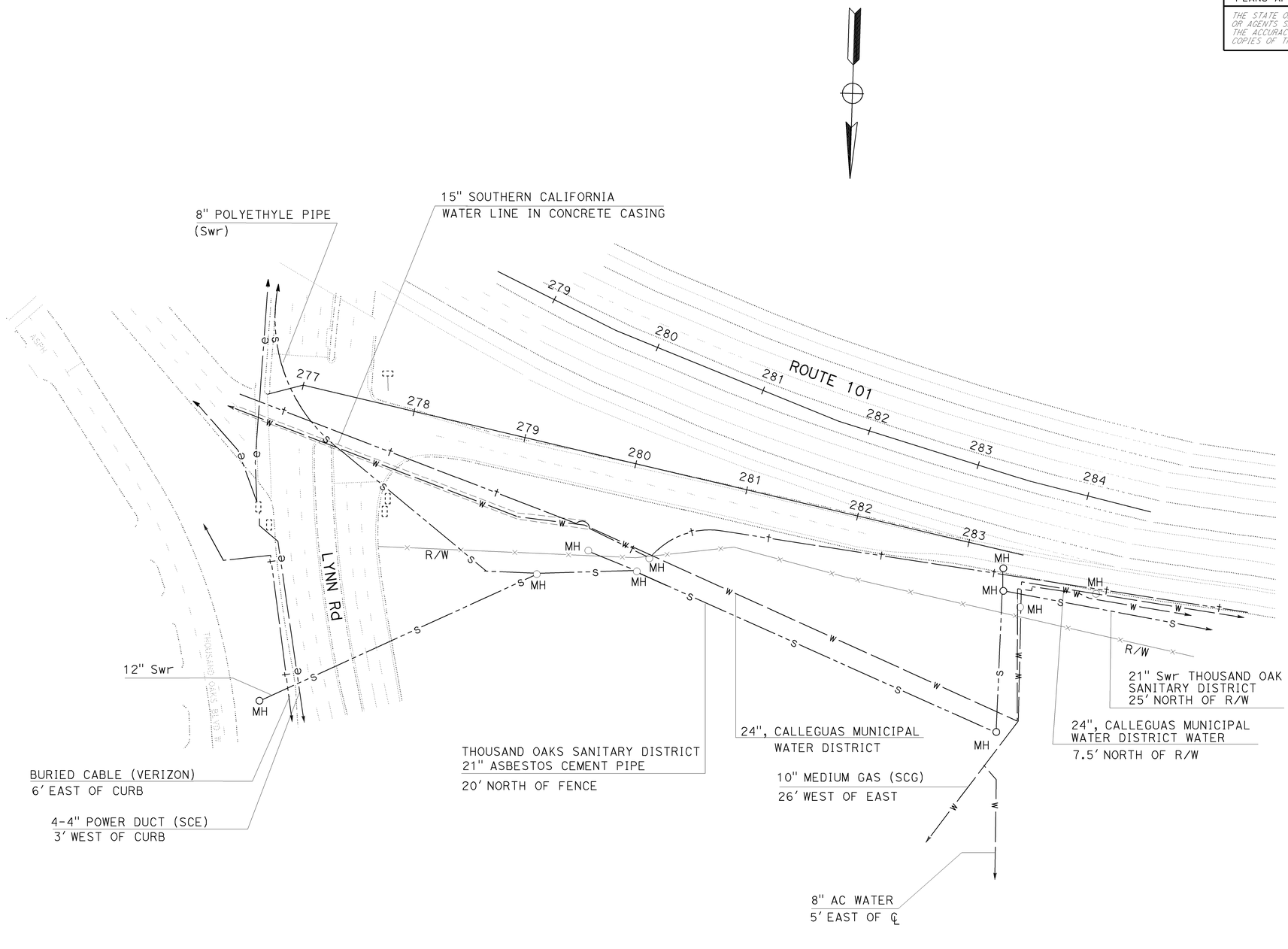


THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY.

UTILITY PLAN

SCALE 1" = 50'

U-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: HAYKAZ AGHAJANIAN
CALCULATED-DESIGNED BY: JAMSHED HYDER
CHECKED BY: HAYKAZ AGHAJANIAN
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 25-AUG-2010
00-00-00 TIME PLOTTED => 13:58

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150ka005.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1878
PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	26	107

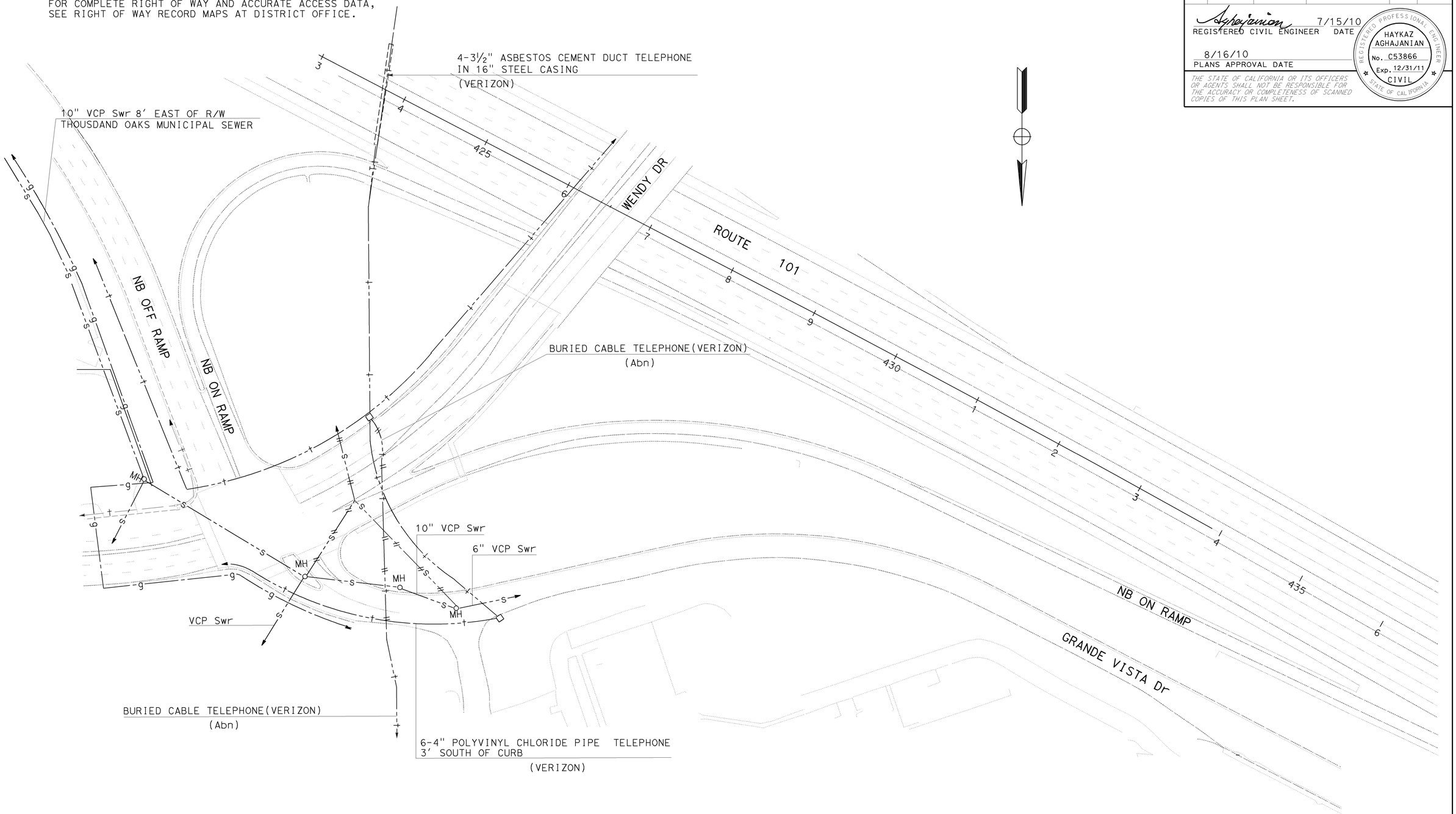
REGISTERED CIVIL ENGINEER — DATE 7/15/10

HAYKAZ AGHAJANIAN No. C53866 Exp. 12/31/11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

8/16/10
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:
FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.



THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY

UTILITY PLAN

SCALE 1" = 50'

U-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: HAYKAZ AGHAJANIAN
CALCULATED-DESIGNED BY: CECILIO BURCIAGA
CHECKED BY: HAYKAZ AGHAJANIAN
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 25-AUG-2010
00-00-00 TIME PLOTTED => 13:58

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150ka006.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1878 | PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	27	107

REGISTERED CIVIL ENGINEER — 7/15/10 DATE

HAYKAZ AGHAJANIAN No. C53866 Exp.12/31/11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

8/16/10
PLANS APPROVAL DATE

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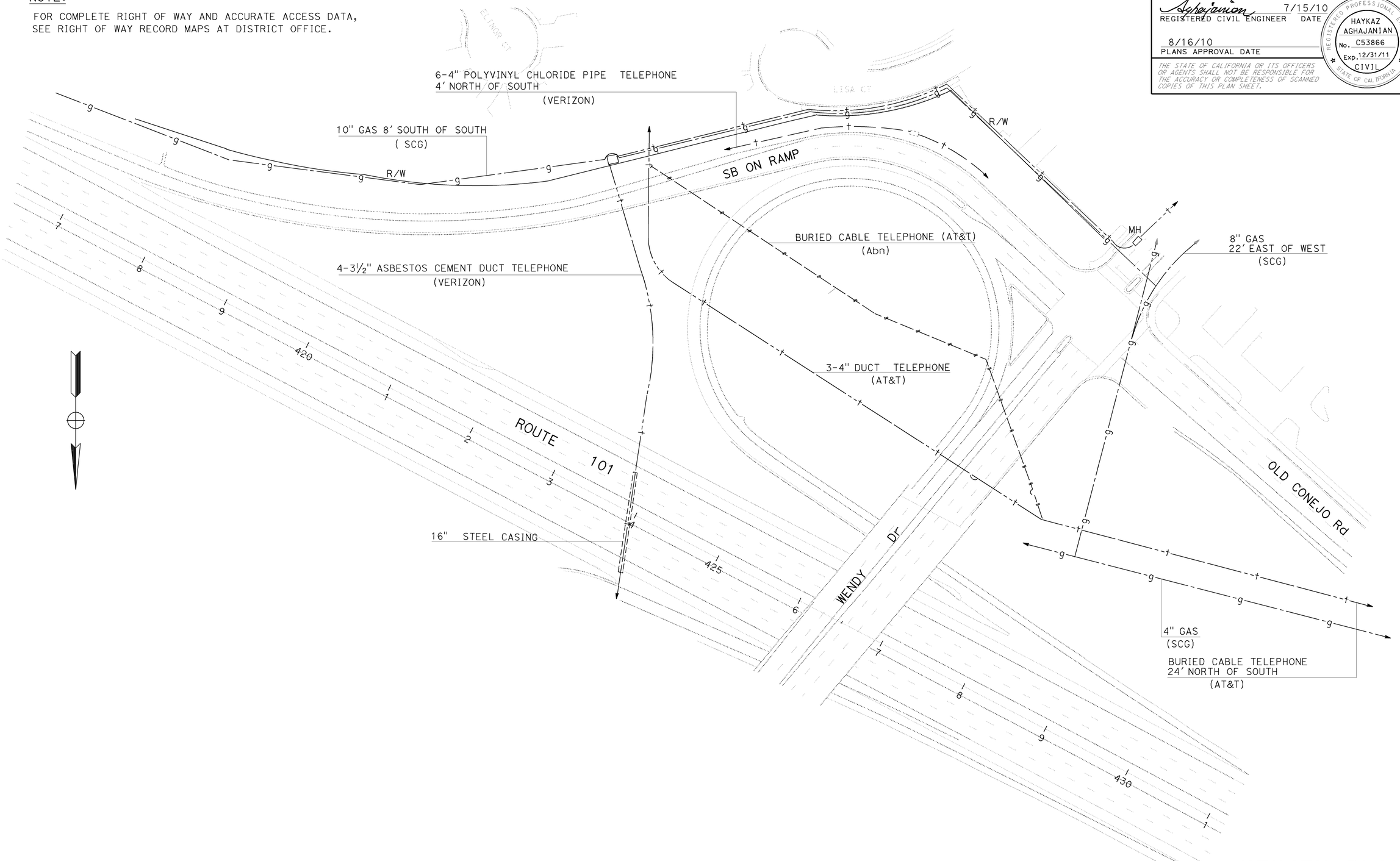
NOTE:

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



UTILITY PLAN

SCALE 1" = 50'

THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY

U-7

CECILIO BURCIAGA — CALCULATED-DESIGNED BY
HAYKAZ AGHAJANIAN — CHECKED BY
HAYKAZ AGHAJANIAN — FUNCTIONAL SUPERVISOR
REVISED BY — DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC DESIGN
Caltrans

LAST REVISION 00-00-00
DATE PLOTTED => 25-AUG-2010
TIME PLOTTED => 13:58

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150ka007.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1878
PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	28	107

REGISTERED CIVIL ENGINEER — DATE 7/27/10

ANDY C. LIAO No. 57416 Exp. 12/31/11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

8/16/10
PLANS APPROVAL DATE

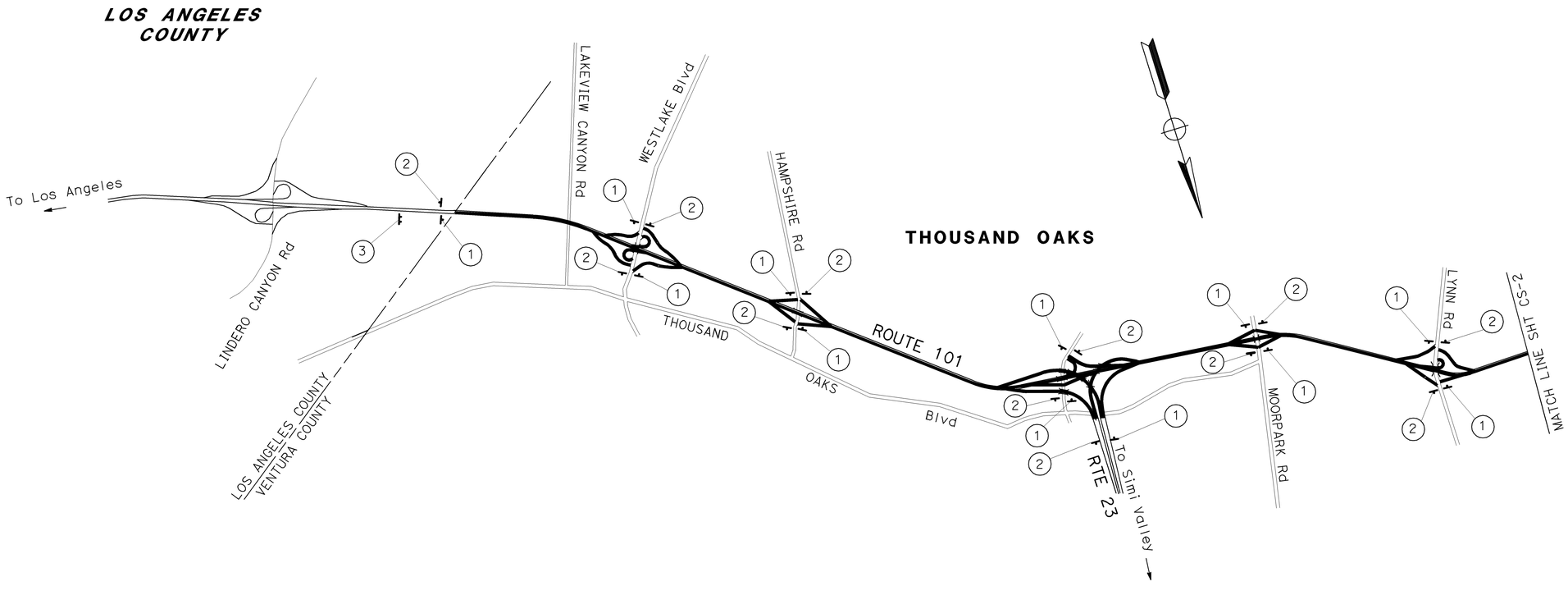
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

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

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN NUMBER	CODE	SIGN MESSAGE	PANEL SIZE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
(1)	W20-1	ROAD WORK AHEAD	48" x 48"	1 - 6" x 6"	23
(2)	G20-2	END ROAD WORK	48" x 24"	1 - 4" x 6"	23
(3)	C40(CA)	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	144" x 60"	2 - 6" x 8"	2
				TOTAL	48



CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

QUANG V THAI — CALCULATED-DESIGNED BY
ANDY LIAO — CHECKED BY
REVISED BY — DATE REVISED

FUNCTIONAL SUPERVISOR: M. OJI KALU

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® OFFICE OF DESIGN B

LAST REVISION: DATE PLOTTED => 25-AUG-2010 | 00-00-00 | TIME PLOTTED => 13:58

BORDER LAST REVISED 7/2/2010

USERNAME => s125624
DGN FILE => 7251501a001.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1806 | PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	29	107

REGISTERED CIVIL ENGINEER — 7/27/10 DATE

ANDY C. LIAO No. 57416 Exp. 12/31/11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

8/16/10
PLANS APPROVAL DATE

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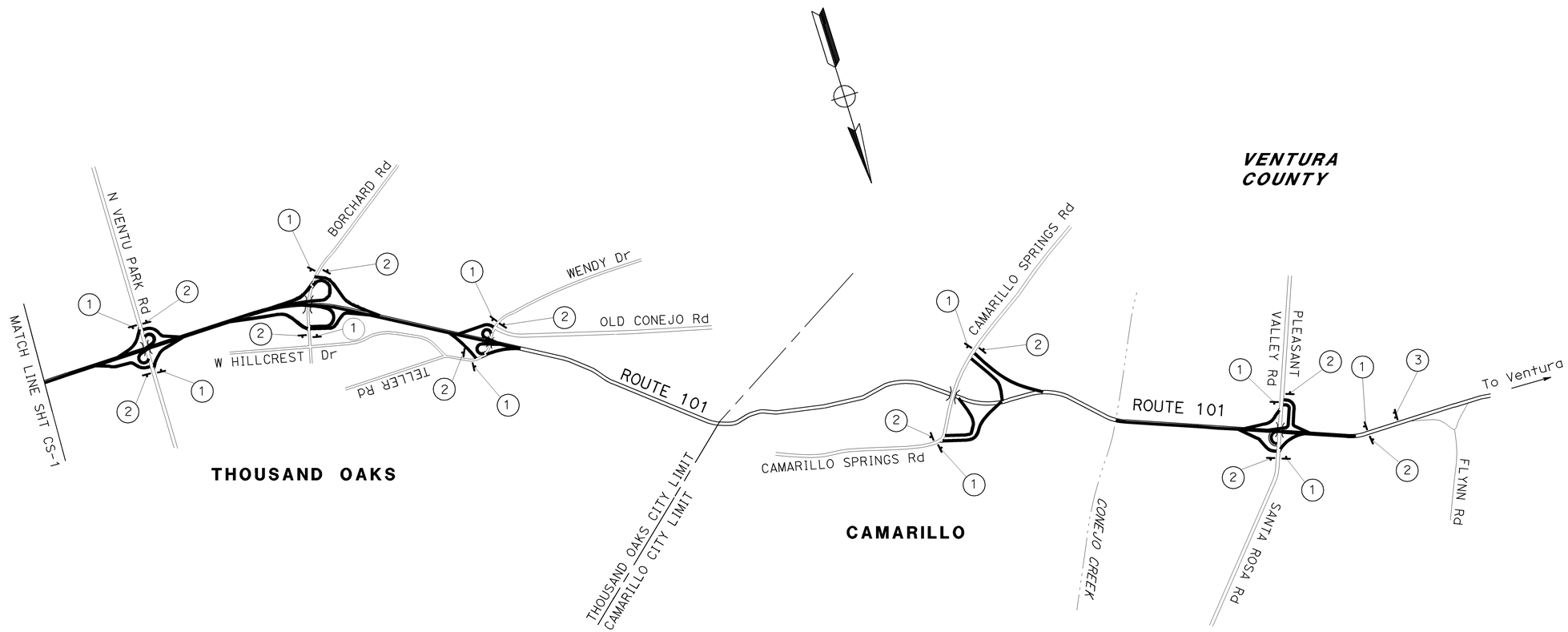

CONSTRUCTION AREA SIGNS

NO SCALE

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

CS-2

QUANG THAI — REVISED BY
ANDY LIAO — DATE REVISED
CALCULATED-DESIGNED BY
CHECKED BY
M. OJI KALU — FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® OFFICE OF DESIGN B

LAST REVISION — DATE PLOTTED => 25-AUG-2010 — TIME PLOTTED => 13:58
00-00-00

BORDER LAST REVISED 7/2/2010

USERNAME => s125624
DGN FILE => 725150la002.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1806 | PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	30	107

4/22/10
REGISTERED CIVIL ENGINEER DATE

SHANGJIA HORN
No. 51846
Exp 6/30/12
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

8/16/10
PLANS APPROVAL DATE

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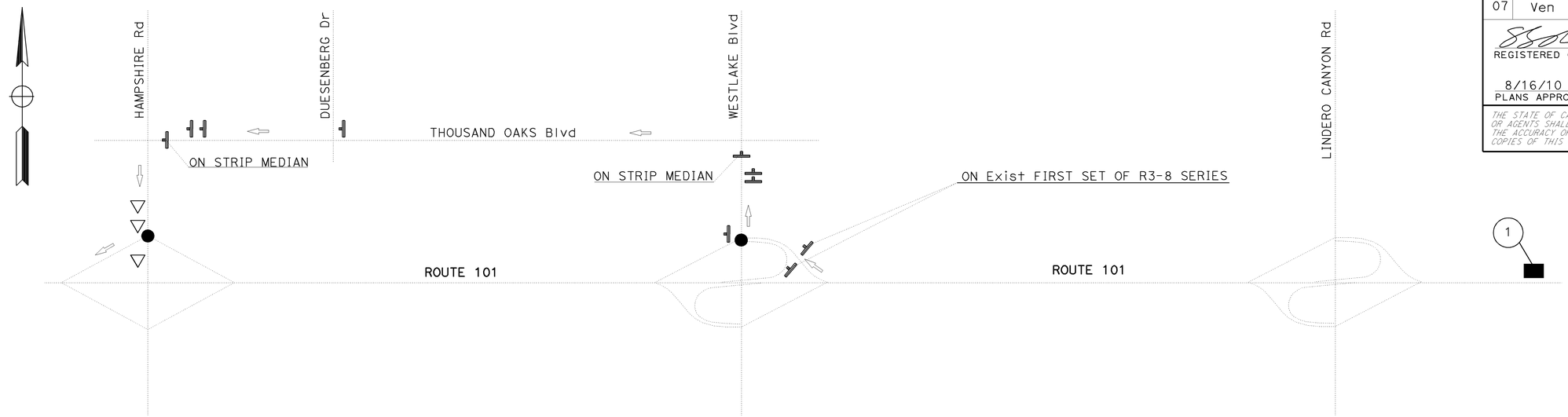
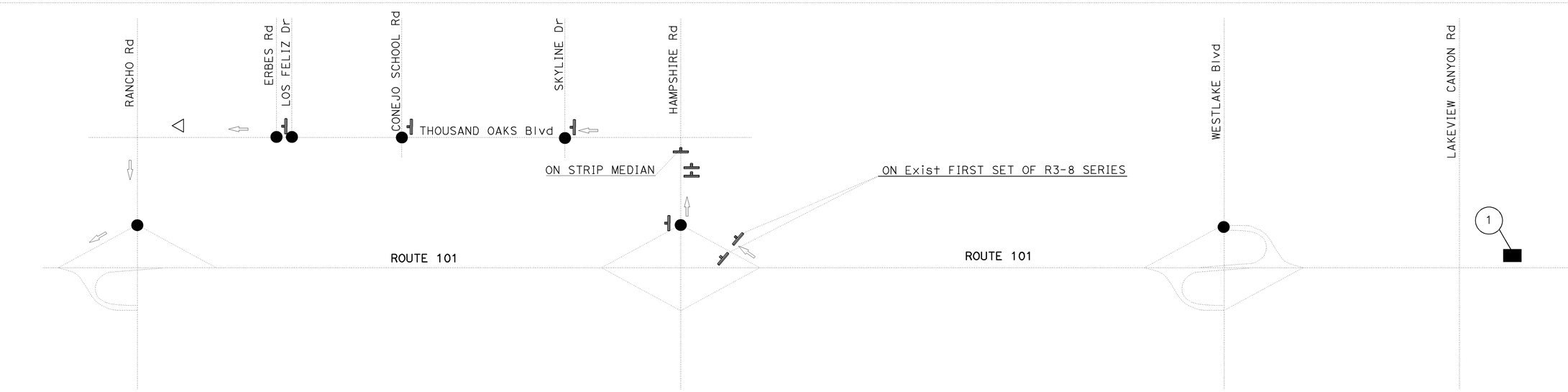


NB 101 AT WESTLAKE Blvd

PCMS	LOCATION	MESSAGE	
1	RIGHT SHOULDER IN ADVANCE OF LINDERO CANYON Road OFF-RAMP	1ST FLASH	FREEWAY/CLOSED/AHEAD
		2ND FLASH	AT/WESTLAKE/BLVD

SIGN QUANTITY	
SP-2	10



NB 101 AT HAMPSHIRE Road

PCMS	LOCATION	MESSAGE	
1	RIGHT SHOULDER IN ADVANCE OF LAKEVIEW CANYON Road OC	1ST FLASH	FREEWAY/CLOSED/AHEAD
		2ND FLASH	AT/HMPSHIRE/ROAD

SIGN QUANTITY	
SP-2	9

NOTES:

1. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. SEE THD-29 FOR SIGN SP-2 DETAILS.
3. DETOUR SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

LEGEND

- SIGN SP-2
- DIRECTION OF TRAVEL
- PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
- SIGNALIZED INTERSECTION
- EXISTING Fwy GUIDE SIGN

TRAFFIC HANDLING DETAILS
FULL FREEWAY CLOSURE DETOUR FOR WORK SHIFT CLOSURES

NO SCALE

THD-1

CALCULATED-DESIGNED BY: CHARLES KEELING
CHECKED BY: SHANGJIA HORN
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR: ALBERT YU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM
Caltrans

LAST REVISION DATE PLOTTED => 25-AUG-2010
00-00-00 TIME PLOTTED => 13:58

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150me001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1863
PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	31	107

4/22/10
REGISTERED CIVIL ENGINEER DATE

SHANGJIA HORN
No. 51846
Exp 6/30/12
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

8/16/10
PLANS APPROVAL DATE

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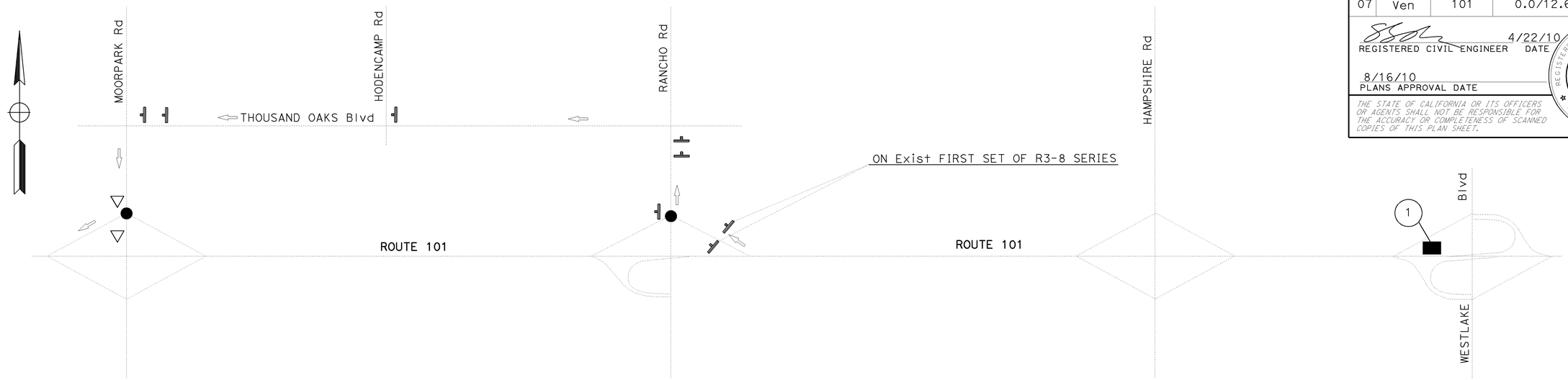
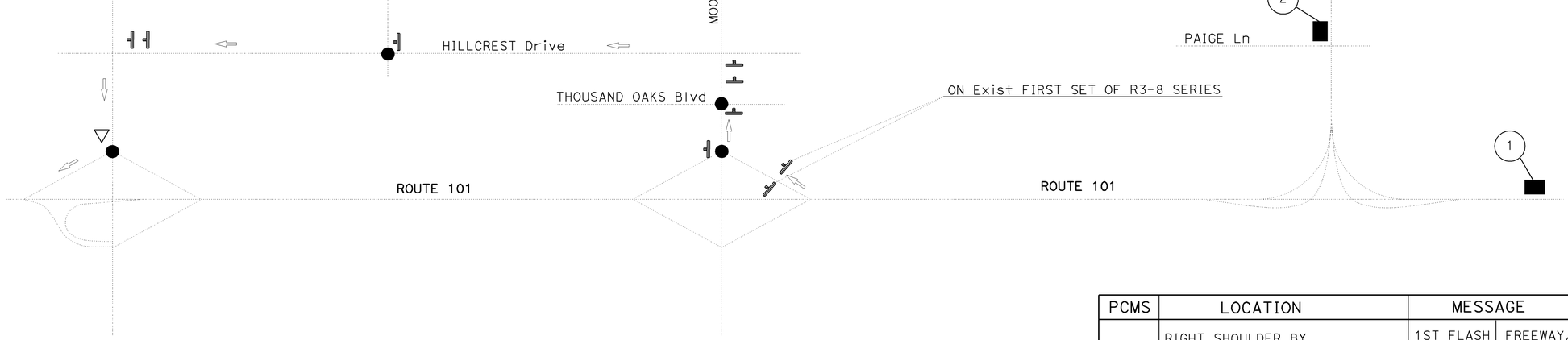


NB 101 AT RANCHO Road

PCMS	LOCATION	MESSAGE	
1	AT SOUTHBOUND WESTLAKE Blvd ON-RAMP GORE	1ST FLASH	FREEWAY/CLOSED/AHEAD
		2ND FLASH	AT/RANCHO/ROAD

SIGN QUANTITY	
SP-2	8



NB 101 AT MOORPARK Road

PCMS	LOCATION	MESSAGE	
1	RIGHT SHOULDER BY CALL BOX #18	1ST FLASH	FREEWAY/CLOSED/AHEAD
		2ND FLASH	AT/MOORPARK/ROAD
2	RIGHT SHOULDER OF SB Rte 23 BY PAIGE LANE UC	1ST FLASH	N 101/CLOSED/AHEAD
		2ND FLASH	AT/MOORPARK/ROAD

SIGN QUANTITY	
SP-2	9

NOTES:

1. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. SEE THD-29 FOR SIGN SP-2 DETAILS.
3. DETOUR SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

LEGEND

- SIGN SP-2
- DIRECTION OF TRAVEL
- PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
- SIGNALIZED INTERSECTION
- EXISTING Fwy GUIDE SIGN

TRAFFIC HANDLING DETAILS
FULL FREEWAY CLOSURE DETOUR FOR WORK SHIFT CLOSURES

NO SCALE

THD-2

LAST REVISION | DATE PLOTTED => 25-AUG-2010
00-00-00 | TIME PLOTTED => 13:58

REVISED BY | DATE REVISED
CHARLES KEELING | SHANGJIA HORN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: ALBERT YU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION: DTM

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150me002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1863 | PROJECT NUMBER & PHASE 0700020160

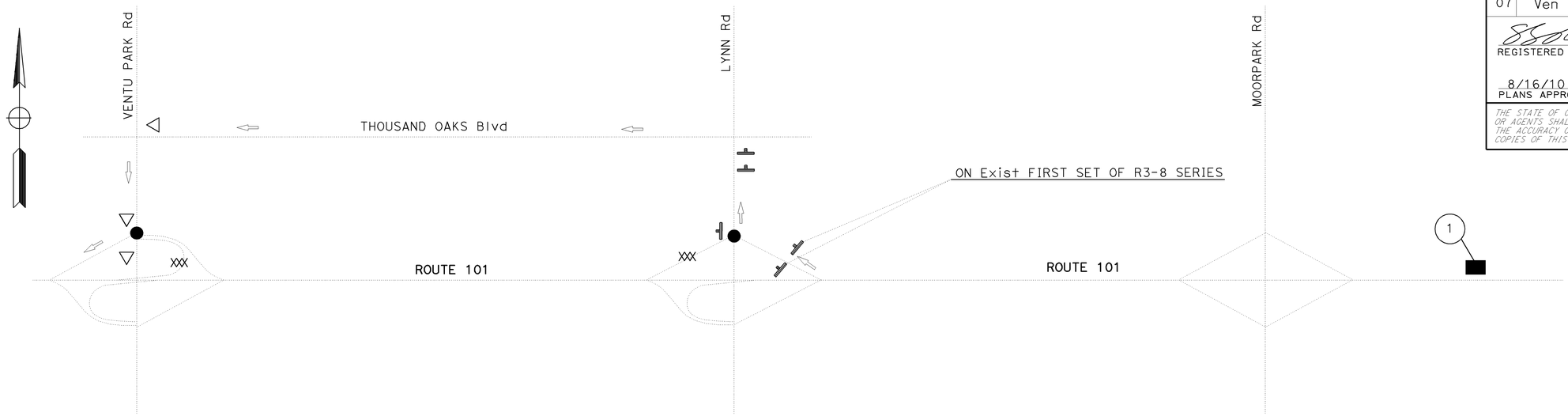
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	32	107

4/22/10
REGISTERED CIVIL ENGINEER DATE

SHANGJIA HORN
No. 51846
Exp 6/30/12
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

8/16/10
PLANS APPROVAL DATE

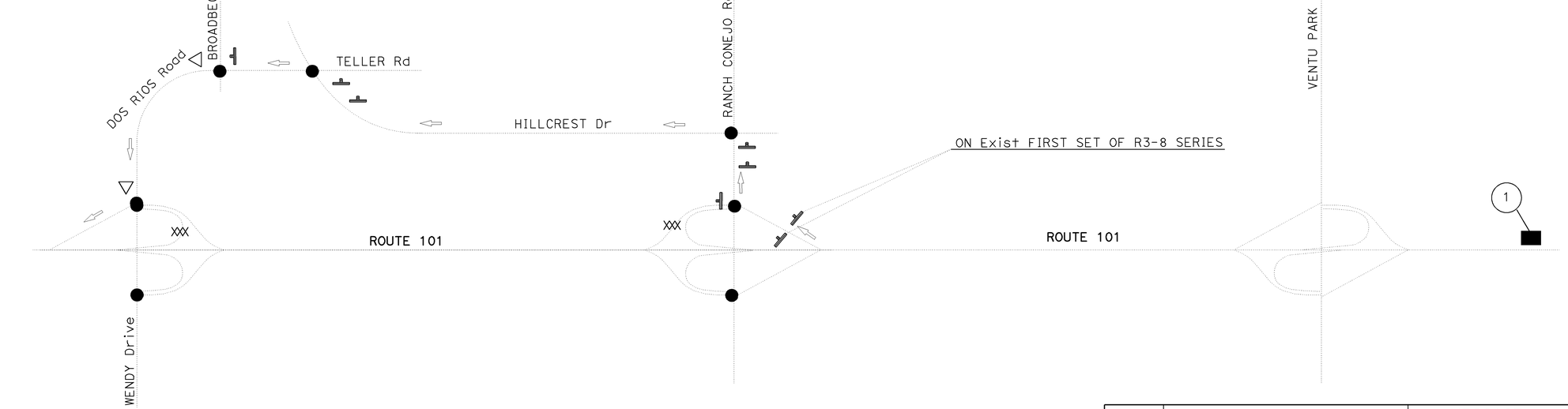
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



NB 101 - LYNN Road TO VENTU PARK Road

PCMS	LOCATION	MESSAGE	
1	RIGHT SHOULDER BY CALL BOX #32	1ST FLASH	FREEWAY/CLOSED/AHEAD
		2ND FLASH	LYNN RD/TO/VENTU PK

SIGN QUANTITY	
SP-2	5



NB 101 - BORCHARD Road TO SB WENDY Drive ON-RAMP

PCMS	LOCATION	MESSAGE	
1	RIGHT SHOULDER BY CALL BOX # 54	1ST FLASH	FREEWAY/CLOSED/AHEAD
		2ND FLASH	BORCHARD/TO/WENDY DR

SIGN QUANTITY	
SP-2	8

NOTES:

1. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. SEE THD-29 FOR SIGN SP-2 DETAILS.
3. DETOUR SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

LEGEND

- SIGN SP-2
- DIRECTION OF TRAVEL
- XXX RAMP TO BE CLOSED
- PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
- SIGNALIZED INTERSECTION
- EXISTING Fwy GUIDE SIGN

TRAFFIC HANDLING DETAILS
FULL FREEWAY CLOSURE DETOUR FOR WORK SHIFT CLOSURES

NO SCALE

THD-3

REVISED BY | DATE REVISED
CHARLES KEELING | SHANGJIA HORN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: ALBERT YU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM
Caltrans

LAST REVISION | DATE PLOTTED => 25-AUG-2010
00-00-00 | TIME PLOTTED => 13:58

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150me003.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1863
PROJECT NUMBER & PHASE 07000201601

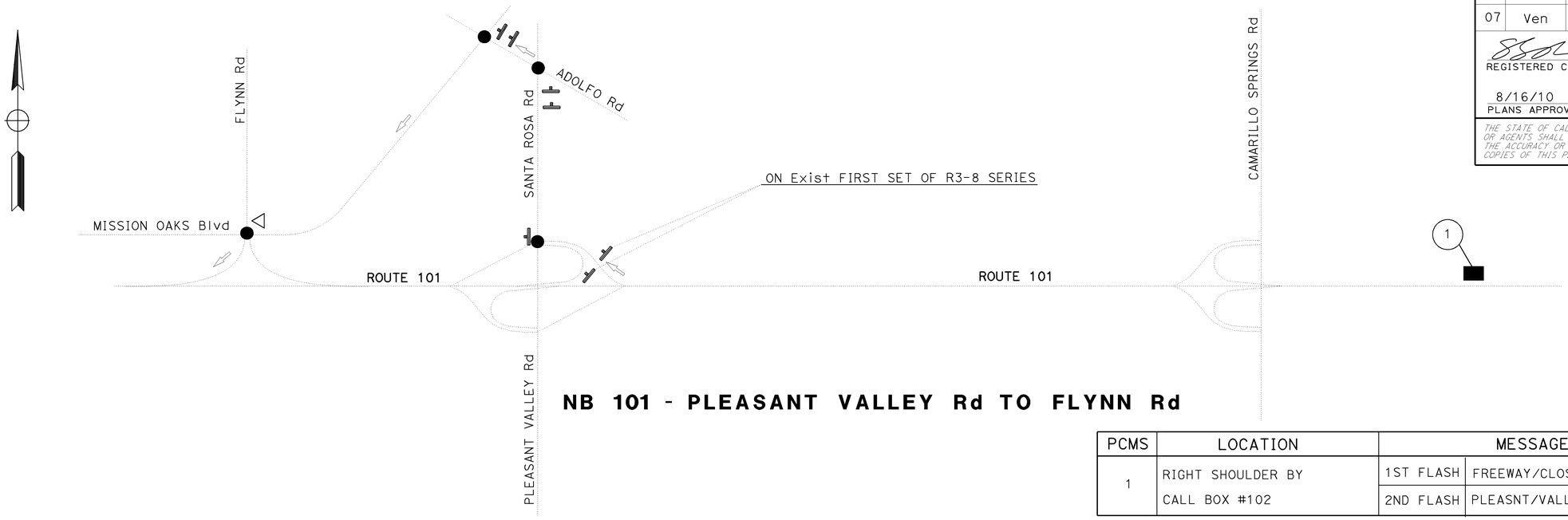
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	33	107

4/22/10
REGISTERED CIVIL ENGINEER DATE

SHANGJIA HORN
No. 51846
Exp 6/30/12
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

8/16/10
PLANS APPROVAL DATE

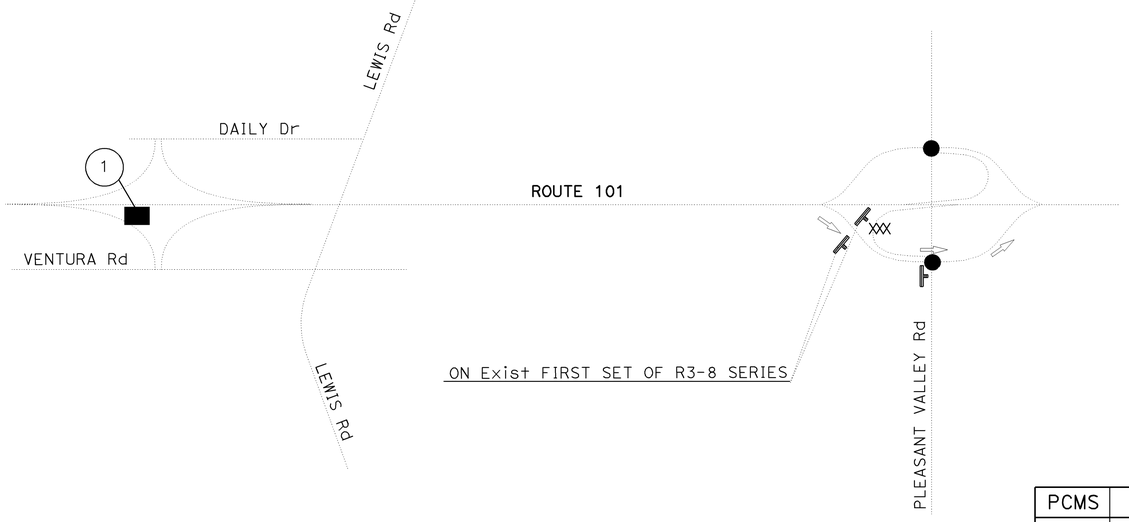
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



NB 101 - PLEASANT VALLEY Rd TO FLYNN Rd

PCMS	LOCATION	MESSAGE	
1	RIGHT SHOULDER BY CALL BOX #102	1ST FLASH	FREEWAY/CLOSED/AHEAD
		2ND FLASH	PLEASNT/VALLY TO/FLYNN RD

SIGN QUANTITY	
SP-2	7



SB 101 - AT PLEASANT VALLEY Road

PCMS	LOCATION	MESSAGE	
1	AT LEWIS ROAD OFF-RAMP GORE	1ST FLASH	FREEWAY/CLOSED/AHEAD
		2ND FLASH	AT/PLEASNT/VALLY RD

SIGN QUANTITY	
SP-2	3

NOTES:

1. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. SEE THD-29 FOR SIGN SP-2 DETAILS.
3. DETOUR SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

LEGEND

- SIGN SP-2
- DIRECTION OF TRAVEL
- XXX RAMP TO BE CLOSED
- PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
- SIGNALIZED INTERSECTION
- EXISTING Fwy GUIDE SIGN

TRAFFIC HANDLING DETAILS
FULL FREEWAY CLOSURE DETOUR FOR WORK SHIFT CLOSURES

NO SCALE **THD-4**

REVISED BY | DATE REVISED
CHARLES KEELING | SHANGJIA HORN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: ALBERT YU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM
Caltrans

LAST REVISION 00-00-00 | DATE PLOTTED => 25-AUG-2010 | TIME PLOTTED => 13:58

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150me004.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1863 | PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	34	107

REGISTERED CIVIL ENGINEER 4/30/10 DATE

SHANGJIA HORN No. 51846 Exp 6/30/12 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

8/16/10
PLANS APPROVAL DATE

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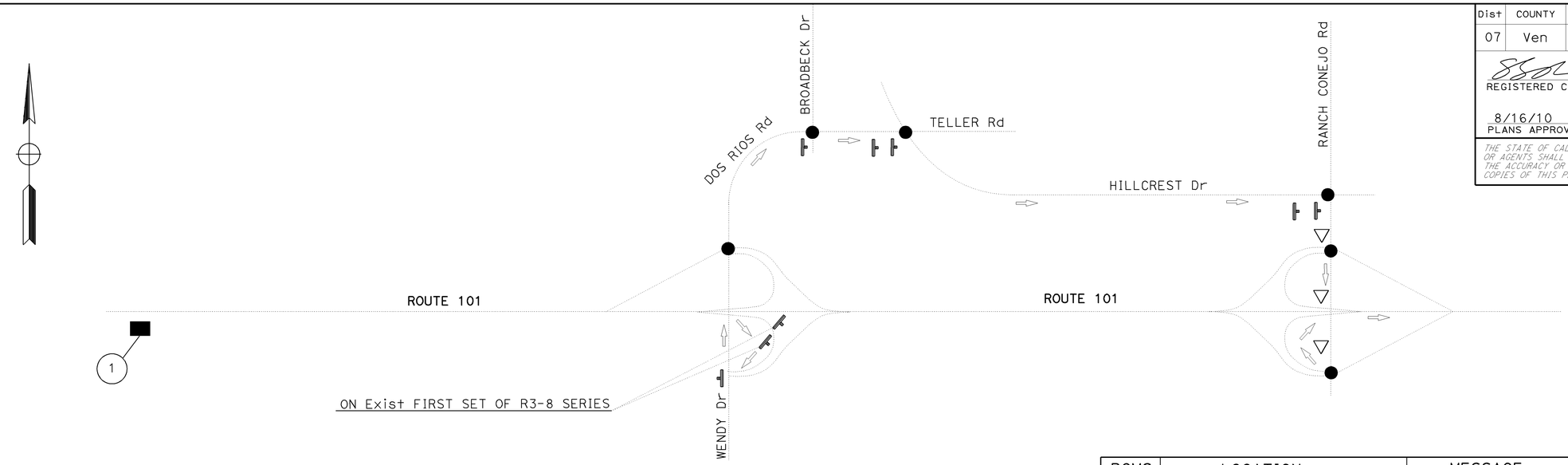
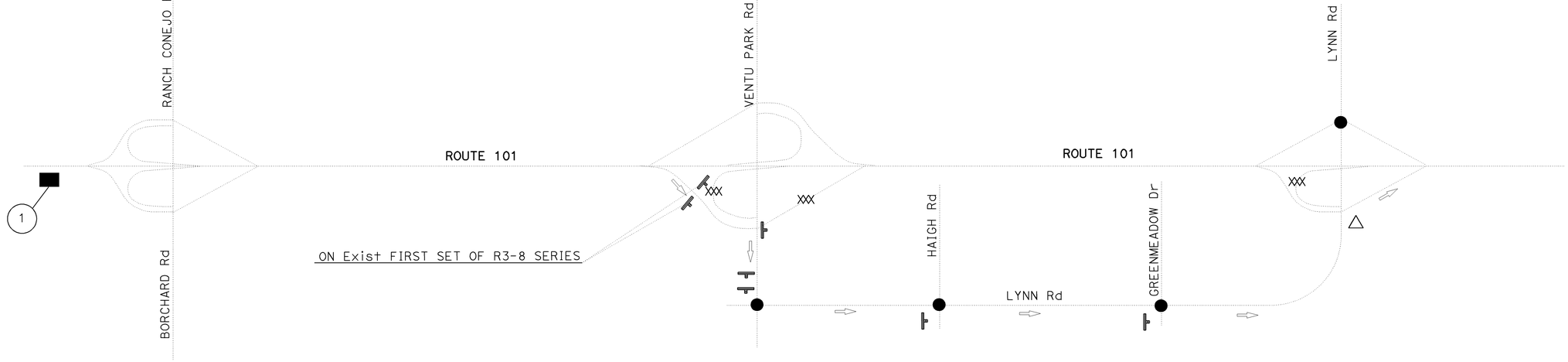


SB 101 - WENDY Dr OFF-RAMP TO BORCHARD Rd ON-RAMP

PCMS	LOCATION	MESSAGE	
1	RIGHT SHOULDER BY CALL BOX #57	1ST FLASH	FREEWAY/CLOSED/AHEAD
		2ND FLASH	AT/MOORPARK/ROAD

SIGN QUANTITY	
SP-2	8



SB 101 - VENTU PARK Rd TO LYNN Rd

PCMS	LOCATION	MESSAGE	
1	RIGHT SHOULDER BY CALL BOX #75	1ST FLASH	FREEWAY/CLOSED/AHEAD
		2ND FLASH	AT/VENTU/PARK RD

SIGN QUANTITY	
SP-2	7

NOTES:

1. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. SEE THD-29 FOR SIGN SP-2 DETAILS.
3. DETOUR SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

LEGEND

- SIGN SP-2
- DIRECTION OF TRAVEL
- XXX RAMP TO BE CLOSED
- PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
- SIGNALIZED INTERSECTION
- EXISTING Fwy GUIDE SIGN

TRAFFIC HANDLING DETAILS
FULL FREEWAY CLOSURE DETOUR FOR WORK SHIFT CLOSURES

NO SCALE

THD-5

REVISED BY | DATE REVISED
CHARLES KEELING | SHANGJIA HORN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: ALBERT YU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM
Caltrans

LAST REVISION | DATE PLOTTED => 25-AUG-2010
00-00-00 | TIME PLOTTED => 13:58

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150me005.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1863
PROJECT NUMBER & PHASE 07000201601

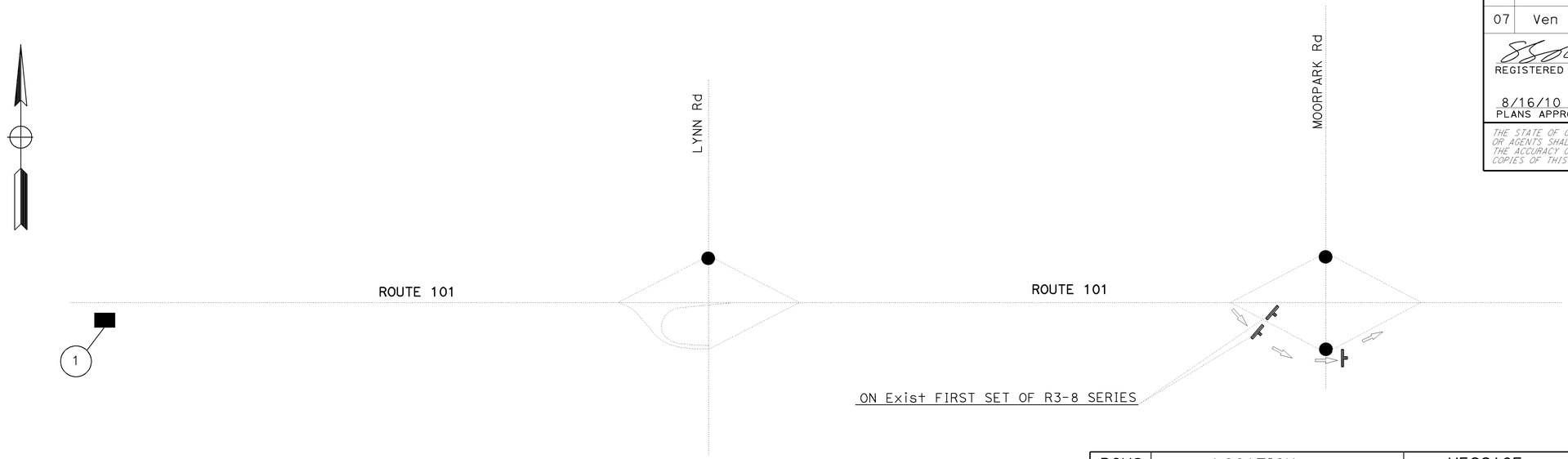
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	35	107

4/30/10
REGISTERED CIVIL ENGINEER DATE

SHANGJIA HORN
No. 51846
Exp 6/30/12
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

8/16/10
PLANS APPROVAL DATE

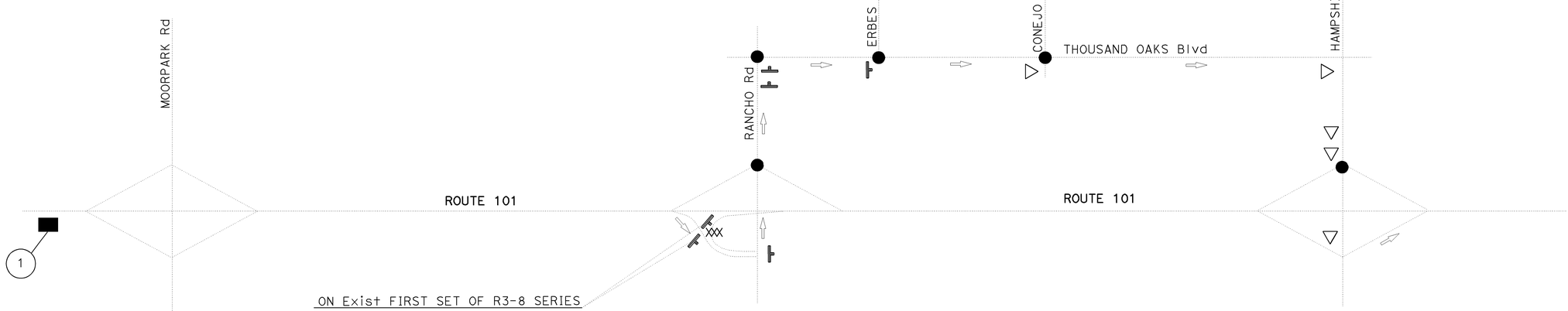
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



SB 101 AT MOORPARK Rd

PCMS	LOCATION	MESSAGE	
1	RIGHT SHOULDER BY CALL BOX #57	1ST FLASH	FREEWAY/CLOSED/AHEAD
		2ND FLASH	AT/MOORPARK/ROAD

SIGN QUANTITY	
SP-2	3



SB 101 - RANCHO Rd OFF-RAMP TO SB RTE 23 ON-CONNECTOR

PCMS	LOCATION	MESSAGE	
1	RIGHT SHOULDER BY CALL BOX #47	1ST FLASH	FREEWAY/CLOSED/AHEAD
		2ND FLASH	AT/RANCHO/ROAD

SIGN QUANTITY	
SP-2	6

NOTES:

1. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. SEE THD-29 FOR SIGN SP-2 DETAILS.
3. DETOUR SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

LEGEND

- SIGN SP-2
- DIRECTION OF TRAVEL
- XXX RAMP TO BE CLOSED
- PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
- SIGNALIZED INTERSECTION
- EXISTING Fwy GUIDE SIGN

TRAFFIC HANDLING DETAILS
FULL FREEWAY CLOSURE DETOUR FOR WORK SHIFT CLOSURES

NO SCALE

THD-6

CHARLES KEELING
SHANGJIA HORN
REVISED BY
DATE REVISED
CALCULATED-DESIGNED BY
CHECKED BY
FUNCTIONAL SUPERVISOR
ALBERT YU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM
Caltrans

LAST REVISION DATE PLOTTED => 25-AUG-2010
00-00-00 TIME PLOTTED => 13:58

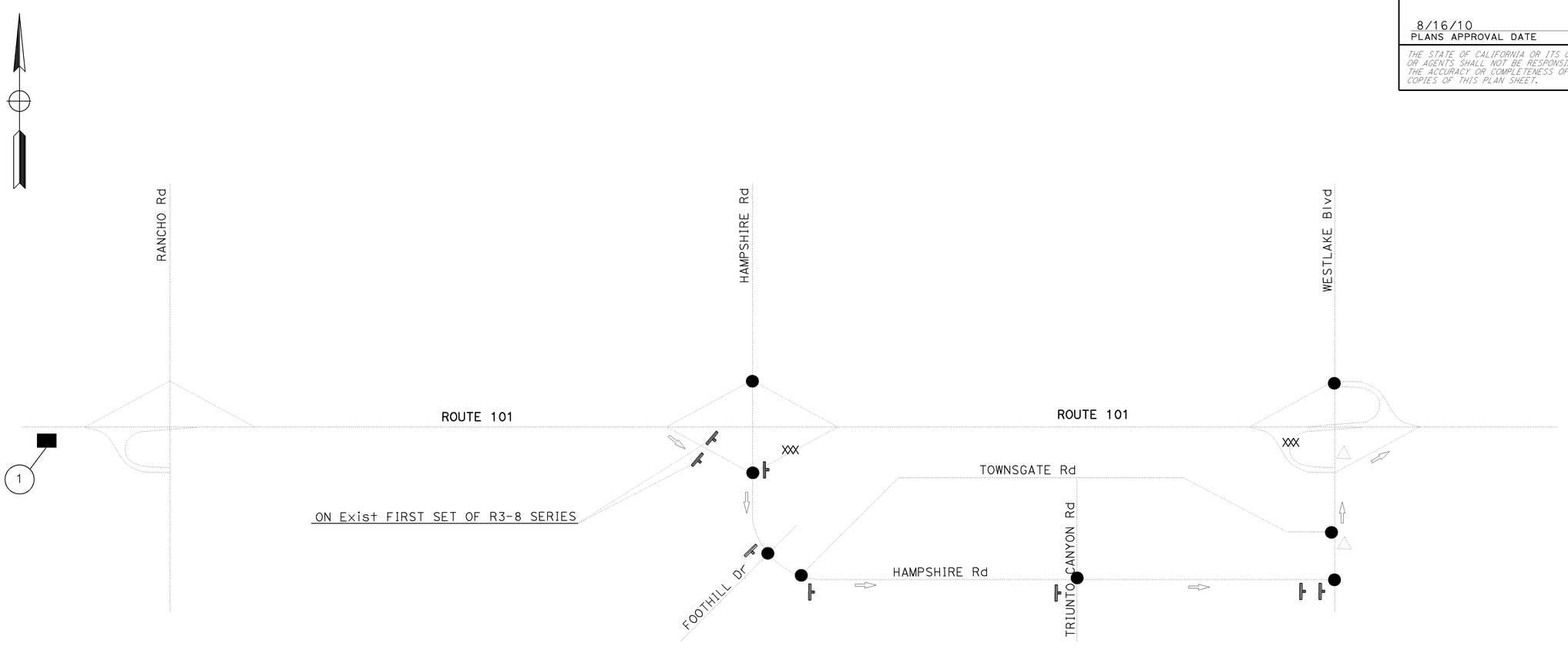
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	36	107

4/30/10
REGISTERED CIVIL ENGINEER DATE

SHANGJIA HORN
No. 51846
Exp 6/30/12
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

8/16/10
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.



SB 101 - HAMPSHIRE Rd TO WESTLAKE Blvd

PCMS	LOCATION	MESSAGE	
1	RIGHT SHOULDER IN ADVANCE OF RANCHO Rd OFF-RAMP	1ST FLASH	FREEWAY/CLOSED/AHEAD
		2ND FLASH	HEMPSHRE/TO/WESTLAKE

SIGN QUANTITY	
SP-2	8

NOTES:

1. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. SEE THD-29 FOR SIGN SP-2 DETAILS.
3. DETOUR SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

LEGEND

- SIGN SP-2
- DIRECTION OF TRAVEL
- XXX RAMP TO BE CLOSED
- PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
- SIGNALIZED INTERSECTION
- EXISTING Fwy GUIDE SIGN

TRAFFIC HANDLING DETAILS
FULL FREEWAY CLOSURE DETOUR FOR WORK SHIFT CLOSURES

NO SCALE

THD-7

CALCULATED-DESIGNED BY: CHARLES KEELING
CHECKED BY: SHANGJIA HORN
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR: ALBERT YU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION: DTM

LAST REVISION
DATE PLOTTED => 25-AUG-2010
TIME PLOTTED => 13:58
00-00-00

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150me007.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1863
PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	37	107

REGISTERED CIVIL ENGINEER — DATE 4/22/10

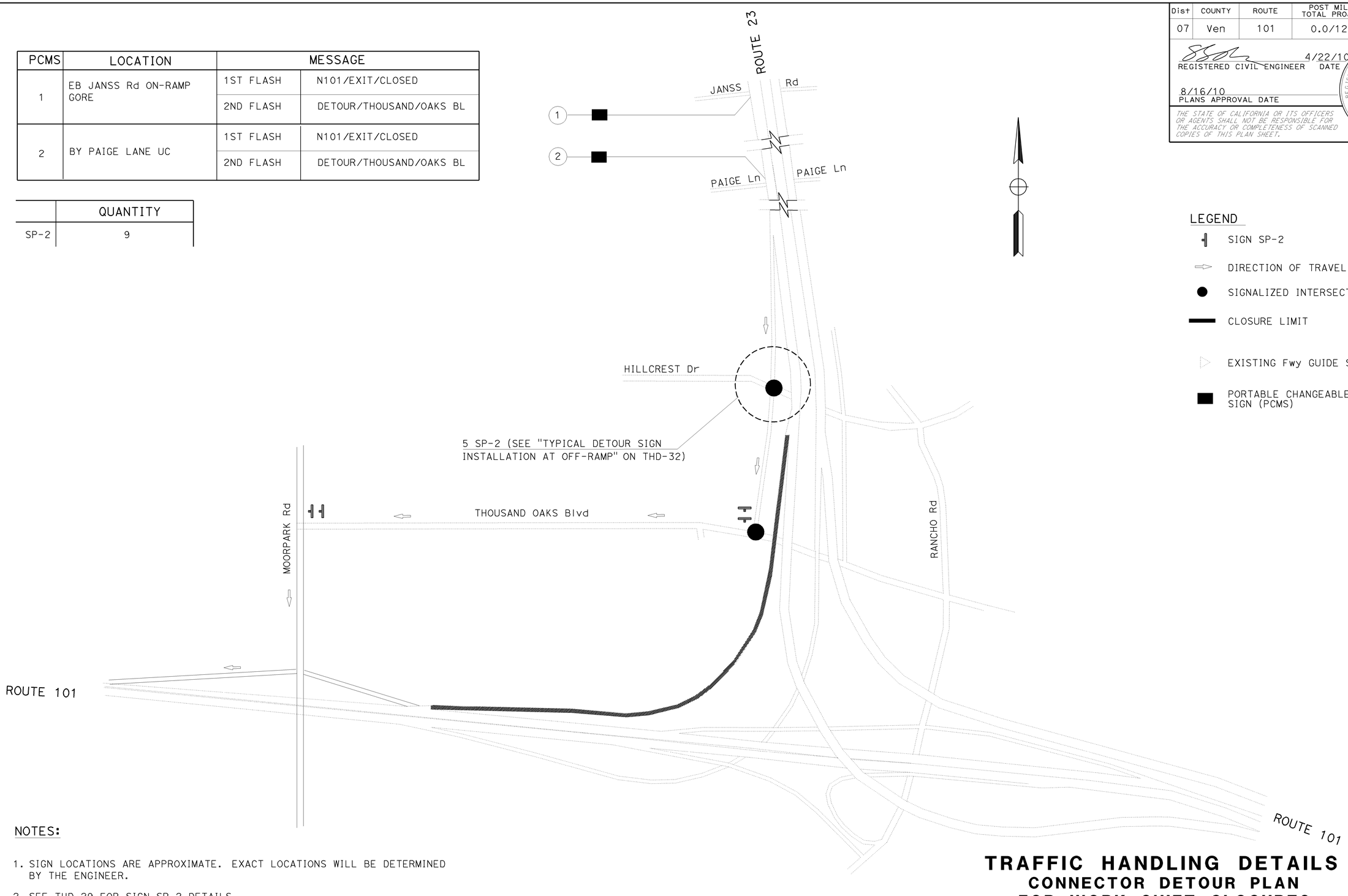
PLANS APPROVAL DATE 8/16/10

REGISTERED PROFESSIONAL ENGINEER — SHANGJIA HORN — No. 51846 — Exp 6/30/12 — 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.

PCMS	LOCATION	MESSAGE	
1	EB JANSS Rd ON-RAMP GORE	1ST FLASH	N101/EXIT/CLOSED
		2ND FLASH	DETOUR/THOUSAND/OAKS BL
2	BY PAIGE LANE UC	1ST FLASH	N101/EXIT/CLOSED
		2ND FLASH	DETOUR/THOUSAND/OAKS BL

	QUANTITY
SP-2	9



LEGEND

- SIGN SP-2
- DIRECTION OF TRAVEL
- SIGNALIZED INTERSECTION
- CLOSURE LIMIT
- EXISTING Fwy GUIDE SIGN
- PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

NOTES:

1. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. SEE THD-29 FOR SIGN SP-2 DETAILS.
3. DETOUR SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

TRAFFIC HANDLING DETAILS
CONNECTOR DETOUR PLAN FOR WORK SHIFT CLOSURES SB Rte 23 TO NB Rte 101

NO SCALE

THD-8

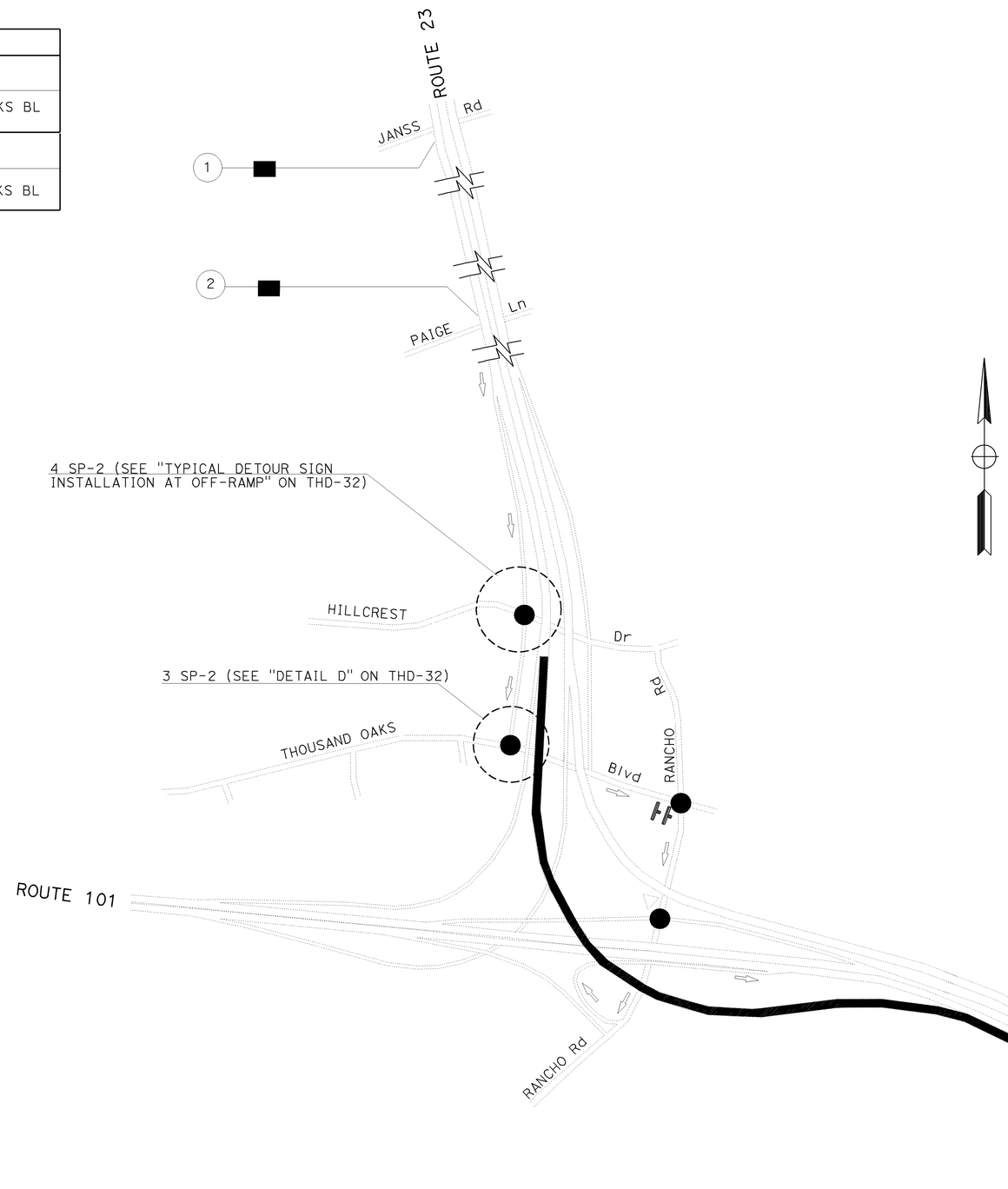
REVISED BY | DATE REVISED
KIT LIU | SHANGJIA HORN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: ALBERT YU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — DTM — Caltrans

LAST REVISION | DATE PLOTTED => 25-AUG-2010
00-00-00 | TIME PLOTTED => 13:58

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150me008.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1863 | PROJECT NUMBER & PHASE 07000201601

PCMS	LOCATION	MESSAGE	
1	EB JANSS Rd ON-RAMP GORE	1ST FLASH	S101/EXIT/CLOSED
		2ND FLASH	DETOUR/THOUSAND/OAKS BL
2	BY PAIGE Ln UC	1ST FLASH	S101/EXIT/CLOSED
		2ND FLASH	DETOUR/THOUSAND/OAKS BL

	QUANTITY
SP-2	9



LEGEND

- SIGN SP-2
- DIRECTION OF TRAVEL
- SIGNALIZED INTERSECTION
- CLOSURE LIMIT
- EXISTING Fwy GUIDE SIGN
- PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

NOTES:

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2. SEE THD-29 FOR SIGN SP-2 DETAILS.
3. DETOUR SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	38	107

4/22/10
REGISTERED CIVIL ENGINEER DATE

SHANGJIA HORN
No. 51846
Exp 6/30/12
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

8/16/10
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.

TRAFFIC HANDLING DETAILS
CONNECTOR DETOUR PLAN FOR WORK SHIFT CLOSURES SB Rte 23 TO SB Rte 101

NO SCALE

THD-9

REVISED BY | DATE REVISED
KIT LIU | SHANGJIA HORN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: ALBERT YU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM
Caltrans

LAST REVISION | DATE PLOTTED => 25-AUG-2010
00-00-00 | TIME PLOTTED => 13:58

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150me009.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1863
PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	39	107

REGISTERED CIVIL ENGINEER 3/25/10 DATE

8/16/10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SHANGJIA HORN
No. 51846
Exp 6/30/12
CIVIL
STATE OF CALIFORNIA

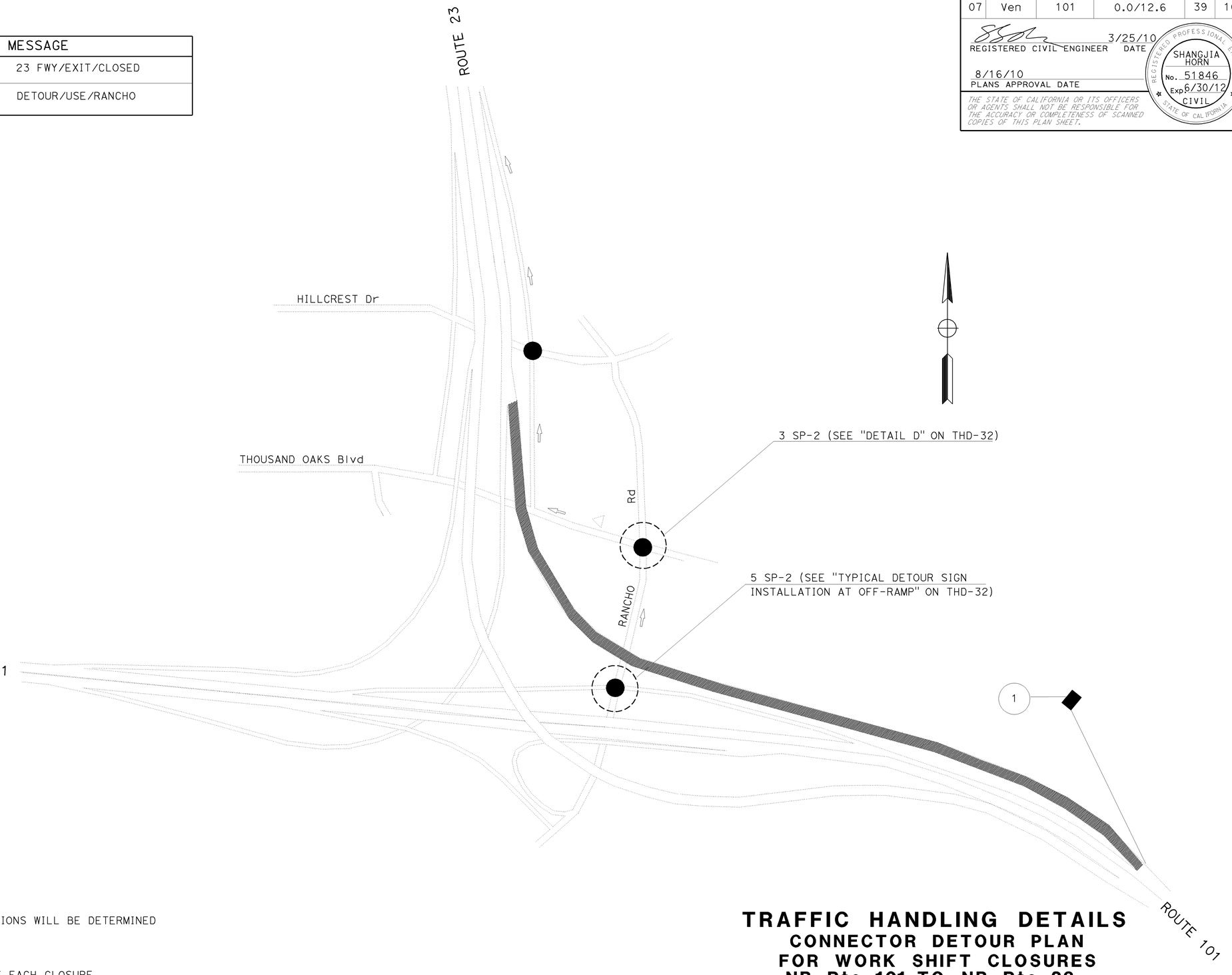
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PCMS	LOCATION	MESSAGE	
1	INSIDE THE CONNECTOR CLOSURE	1ST FLASH	23 FWY/EXIT/CLOSED
		2ND FLASH	DETOUR/USE/RANCHO

	QUANTITY
SP-2	8

LEGEND

- SIGN SP-2
- DIRECTION OF TRAVEL
- SIGNALIZED INTERSECTION
- CLOSURE LIMIT
- EXISTING Fwy GUIDE SIGN
- PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)



NOTES:

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2. SEE THD-29 FOR SIGN SP-2 DETAILS.
3. DETOUR SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

TRAFFIC HANDLING DETAILS
CONNECTOR DETOUR PLAN FOR WORK SHIFT CLOSURES NB Rte 101 TO NB Rte 23

NO SCALE

THD-10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM
Caltrans
FUNCTIONAL SUPERVISOR: ALBERT YU
CALCULATED-DESIGNED BY: KIT LIU
CHECKED BY: SHANGJIA HORN
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 25-AUG-2010
00-00-00 TIME PLOTTED => 13:58

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	40	107

3/25/10
REGISTERED CIVIL ENGINEER DATE

SHANGJIA HORN
No. 51846
Exp 6/30/12
CIVIL

8/16/10
PLANS APPROVAL DATE

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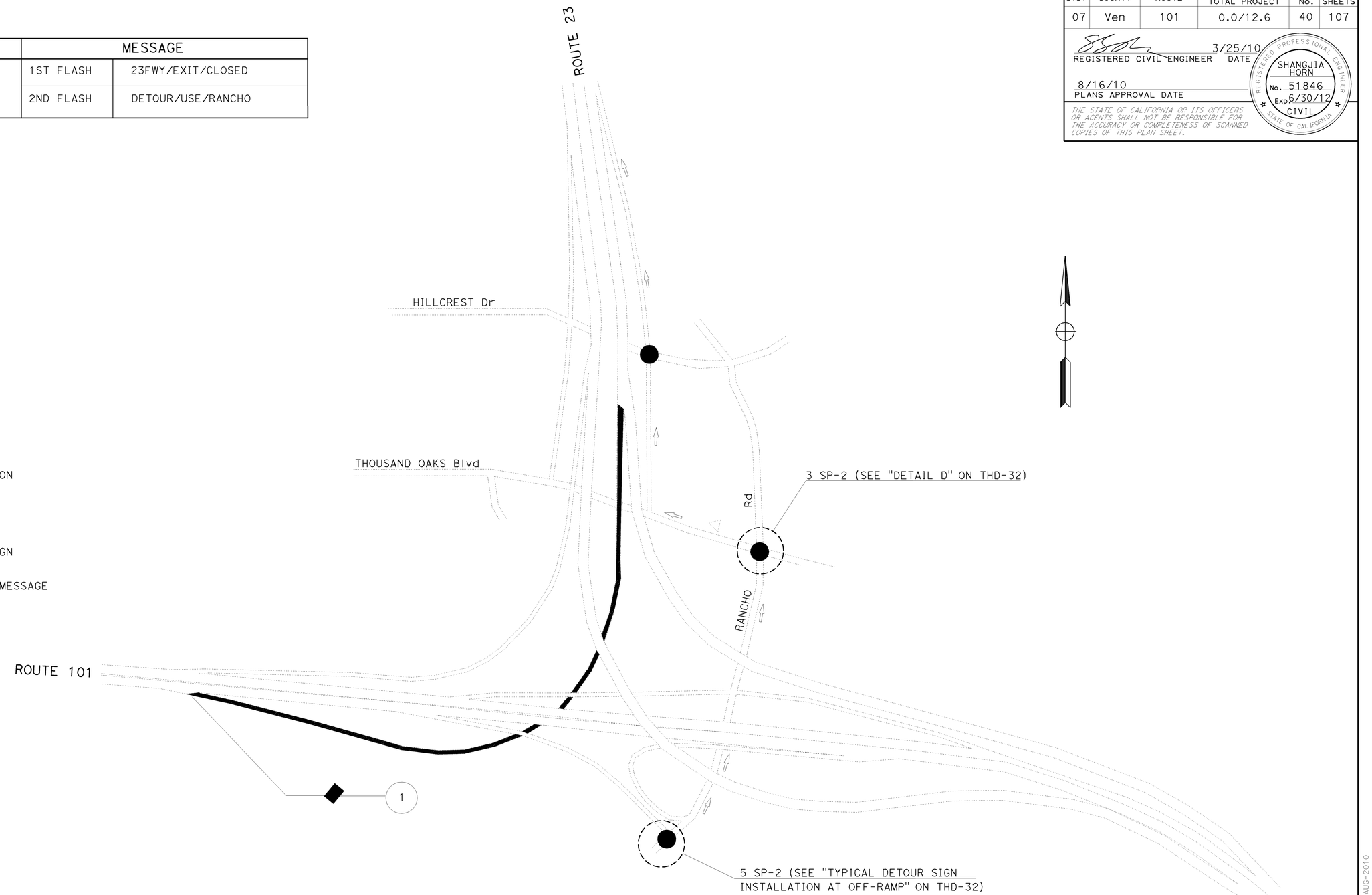
PCMS	LOCATION	MESSAGE	
1	INSIDE THE CONNECTOR CLOSURE	1ST FLASH	23FWY/EXIT/CLOSED
		2ND FLASH	DETOUR/USE/RANCHO

	QUANTITY
SP-2	8

LEGEND

- SIGN SP-2
- DIRECTION OF TRAVEL
- SIGNALIZED INTERSECTION
- CLOSURE LIMIT
- EXISTING Fwy GUIDE SIGN
- PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)



NOTES:

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2. SEE THD-29 FOR SIGN SP-2 DETAILS.
3. DETOUR SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

TRAFFIC HANDLING DETAILS
CONNECTOR DETOUR PLAN FOR WORK SHIFT CLOSURES SB Rte 101 TO NB Rte 23

NO SCALE

THD-11

REVISED BY | DATE REVISED
KIT LIU | SHANGJIA HORN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | ALBERT YU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION | DTM

LAST REVISION | DATE PLOTTED => 25-AUG-2010 | TIME PLOTTED => 13:58
00-00-00

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150me011.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1863 | PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	41	107

4/15/10
REGISTERED CIVIL ENGINEER DATE

SHANGJIA HORN
No. 51846
Exp 6/30/12
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

8/16/10
PLANS APPROVAL DATE

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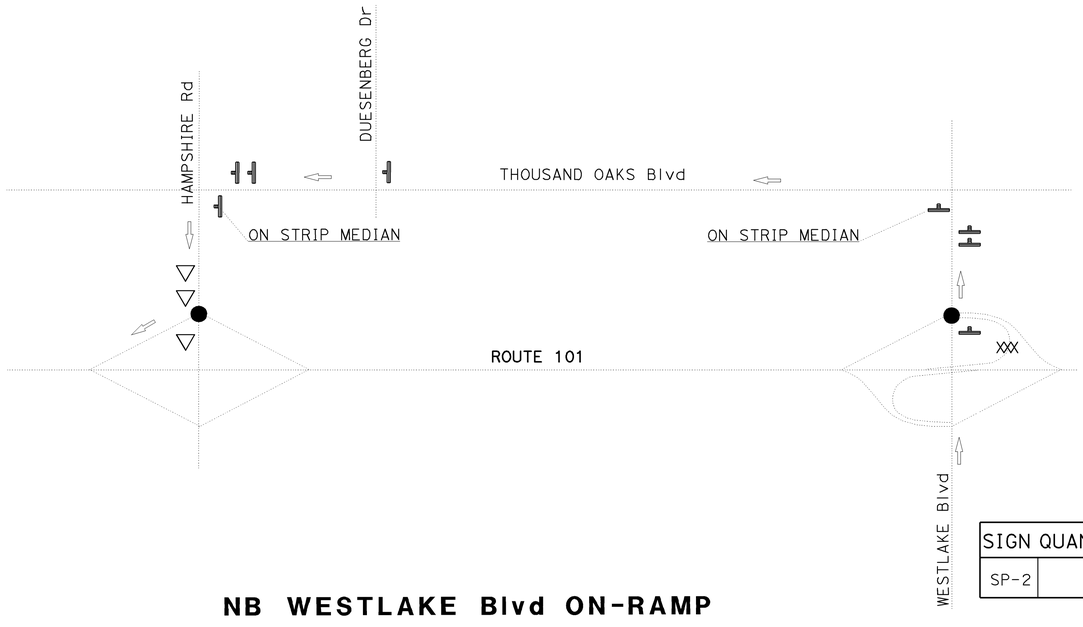
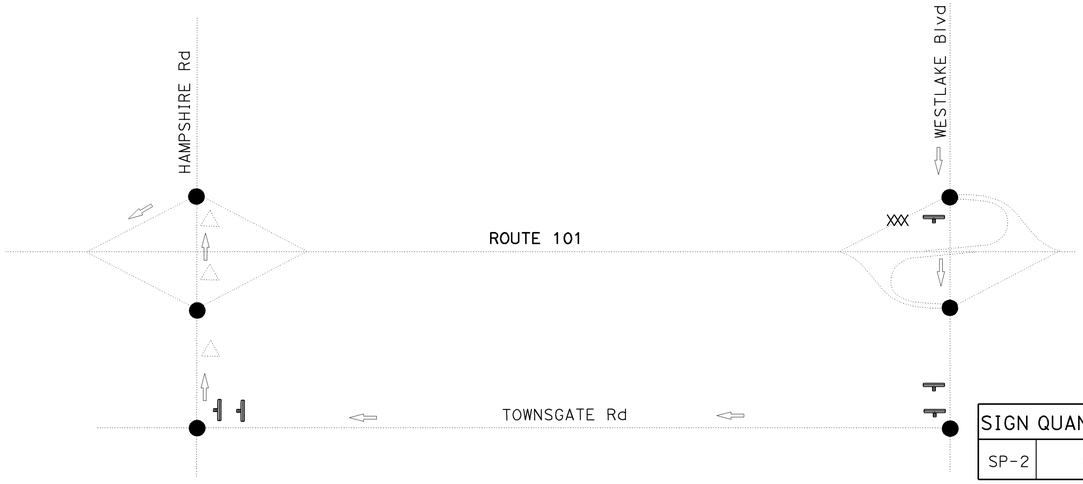


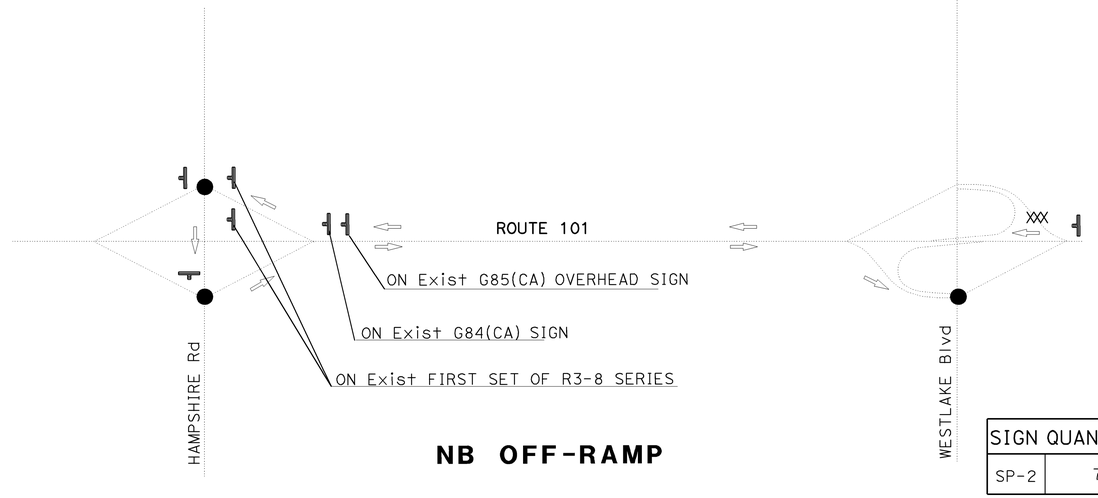
SIGN QUANTITY	
SP-2	8

NB WESTLAKE Blvd ON-RAMP



SIGN QUANTITY	
SP-2	5

SB WESTLAKE Blvd ON-RAMP



SIGN QUANTITY	
SP-2	7

NB OFF-RAMP

NOTES:

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2. SEE THD-29 FOR SIGN SP-2 DETAILS.
3. DETOUR SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

LEGEND

- SIGN SP-2
- DIRECTION OF TRAVEL
- SIGNALIZED INTERSECTION
- XXX RAMP CLOSURE
- EXISTING Fwy GUIDE SIGN

TRAFFIC HANDLING DETAILS
RAMP DETOUR
FOR WORK SHIFT CLOSURES
AT WESTLAKE Blvd (NORTH 101)

NO SCALE

THD-12

REVISED BY | DATE REVISED
CHARLES KEELING | SHANGJIA HORN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: ALBERT YU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DTM

LAST REVISION | DATE PLOTTED => 25-AUG-2010 | TIME PLOTTED => 13:59 | 00-00-00

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150me012.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1863 | PROJECT NUMBER & PHASE 07000201601

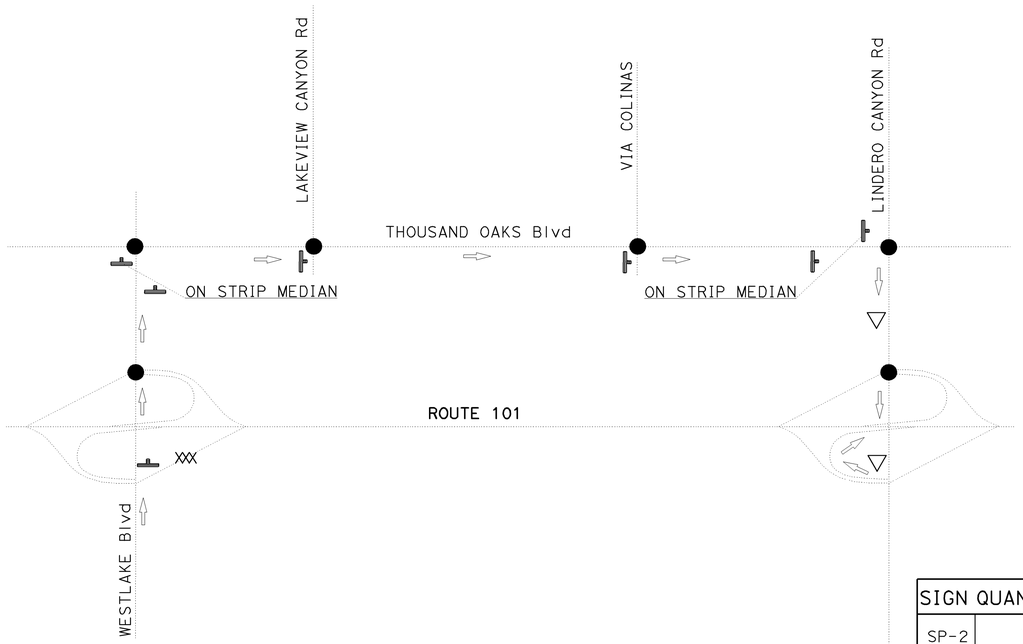
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	42	107

REGISTERED CIVIL ENGINEER 4/15/10 DATE

8/16/10 PLANS APPROVAL DATE

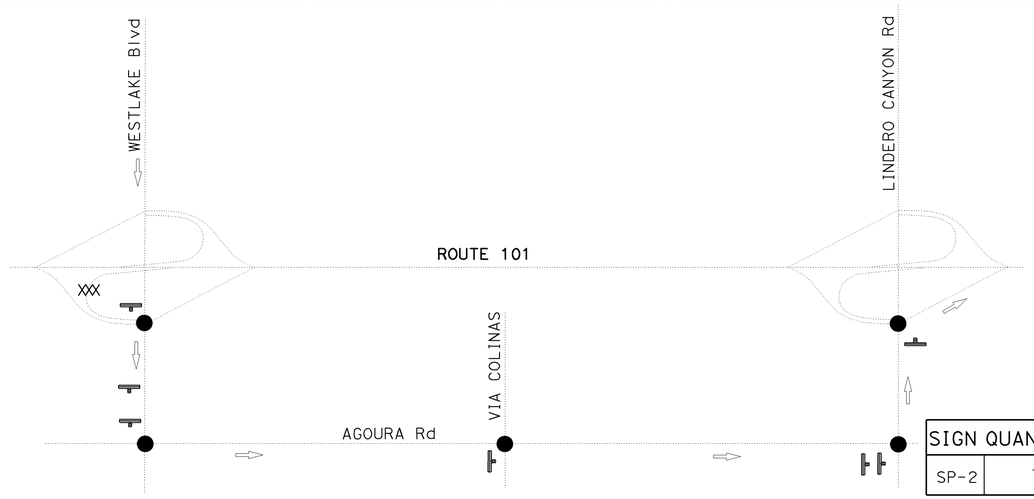
REGISTERED PROFESSIONAL ENGINEER SHANGJIA HORN No. 51846 Exp. 6/30/12 CIVIL STATE OF CALIFORNIA

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.



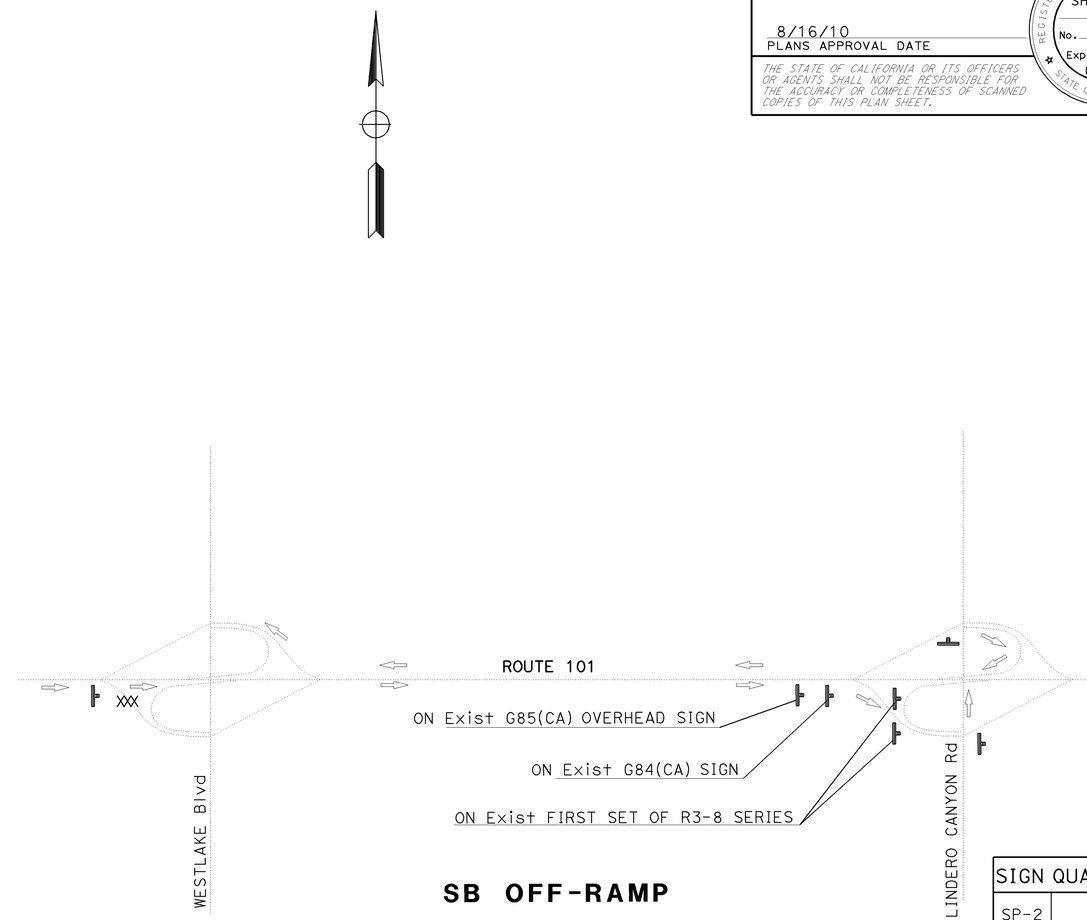
SIGN QUANTITY	
SP-2	7

NB WESTLAKE Blvd ON-RAMP



SIGN QUANTITY	
SP-2	7

SB WESTLAKE Blvd ON-RAMP



SIGN QUANTITY	
SP-2	7

SB OFF-RAMP

NOTES:

1. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. SEE THD-29 FOR SIGN SP-2 DETAILS.
3. DETOUR SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

LEGEND

- SIGN SP-2
- DIRECTION OF TRAVEL
- SIGNALIZED INTERSECTION
- XXX RAMP CLOSURE
- EXISTING Fwy GUIDE SIGN

TRAFFIC HANDLING DETAILS
RAMP DETOUR FOR WORK SHIFT CLOSURES AT WESTLAKE Blvd (SOUTH 101)

NO SCALE **THD-13**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DTM
FUNCTIONAL SUPERVISOR: ALBERT YU
CALCULATED-DESIGNED BY: CHARLES KEELING
CHECKED BY: SHANGJIA HORN
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 25-AUG-2010
TIME PLOTTED => 13:59

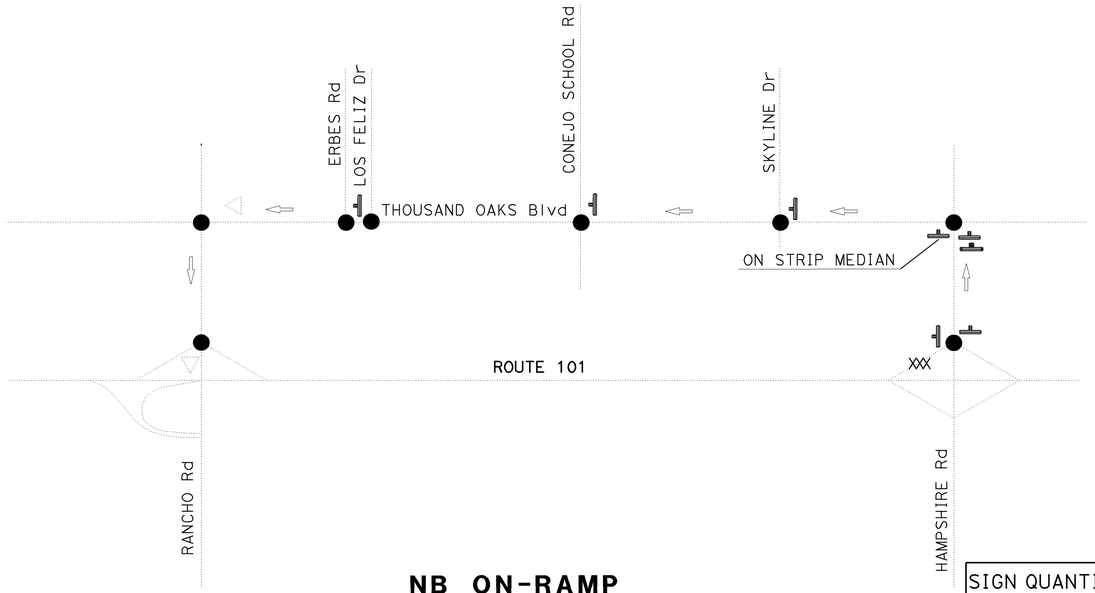
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	43	107

4/15/10
REGISTERED CIVIL ENGINEER DATE

SHANGJIA HORN
No. 51846
Exp 6/30/12
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

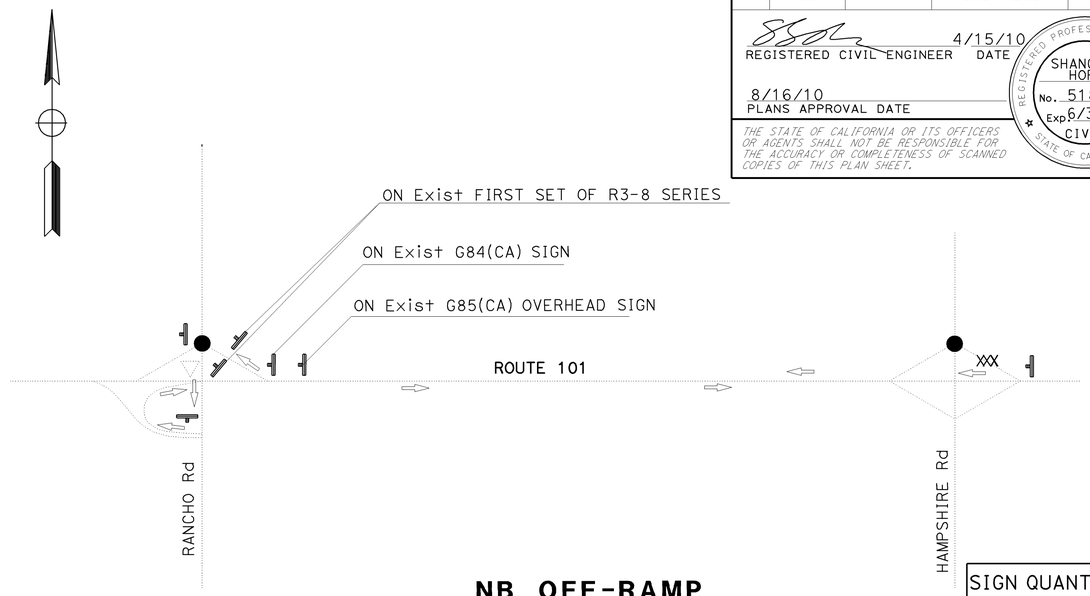
8/16/10
PLANS APPROVAL DATE

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.



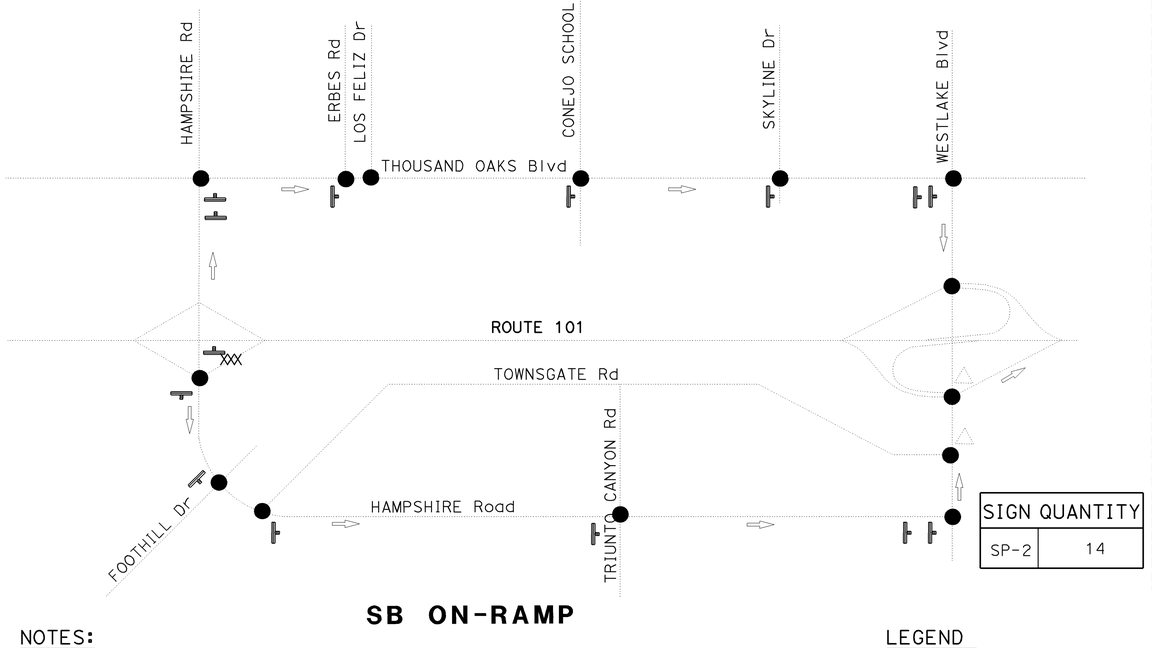
NB ON-RAMP

SIGN QUANTITY	
SP-2	8



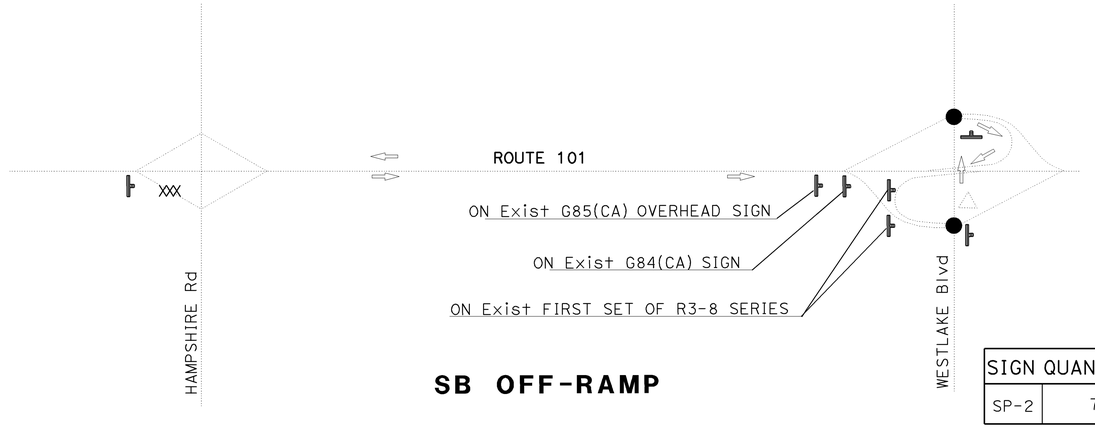
NB OFF-RAMP

SIGN QUANTITY	
SP-2	7



SB ON-RAMP

SIGN QUANTITY	
SP-2	14



SB OFF-RAMP

SIGN QUANTITY	
SP-2	7

NOTES:

1. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. SEE THD-29 FOR SIGN SP-2 DETAILS.
3. DETOUR SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

LEGEND

- SIGN SP-2
- DIRECTION OF TRAVEL
- SIGNALIZED INTERSECTION
- XXX RAMP CLOSURE
- EXISTING Fwy GUIDE SIGN

TRAFFIC HANDLING DETAILS
RAMP DETOUR
FOR WORK SHIFT CLOSURES
AT HAMPSHIRE ROAD

NO SCALE

THD-14

LAST REVISION DATE PLOTTED => 25-AUG-2010
00-00-00 TIME PLOTTED => 13:59

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM
Caltrans

FUNCTIONAL SUPERVISOR: ALBERT YU
CALCULATED-DESIGNED BY: SHANGJIA HORN
CHECKED BY: CHARLES KEELING
REVISED BY / DATE REVISED

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150me014.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1863
PROJECT NUMBER & PHASE 07000201601

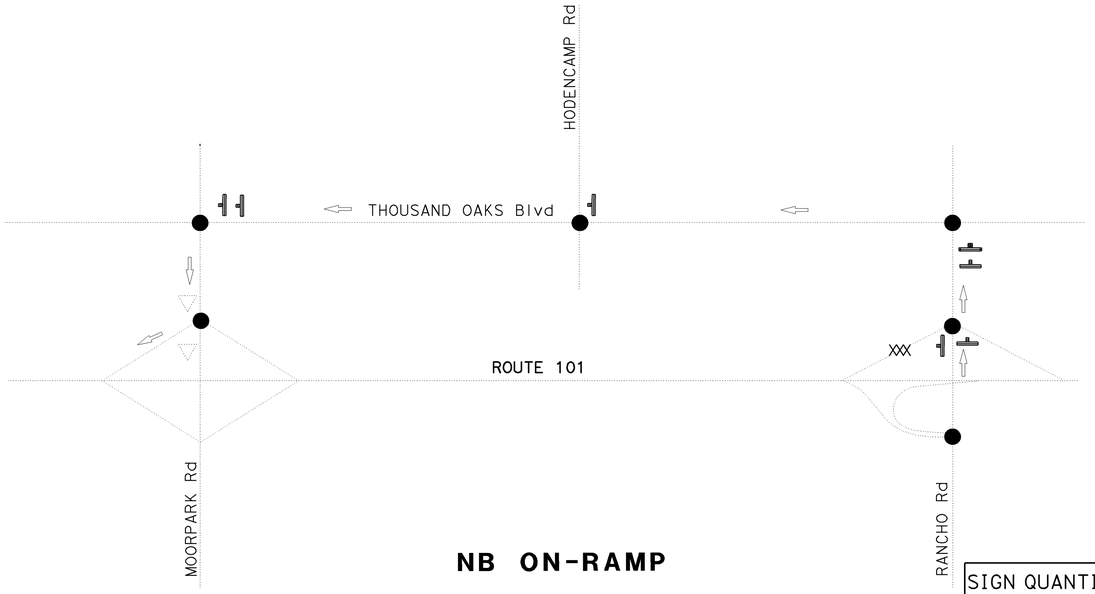
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	44	107

4/15/10
REGISTERED CIVIL ENGINEER DATE

SHANGJIA HORN
No. 51846
Exp 6/30/12
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

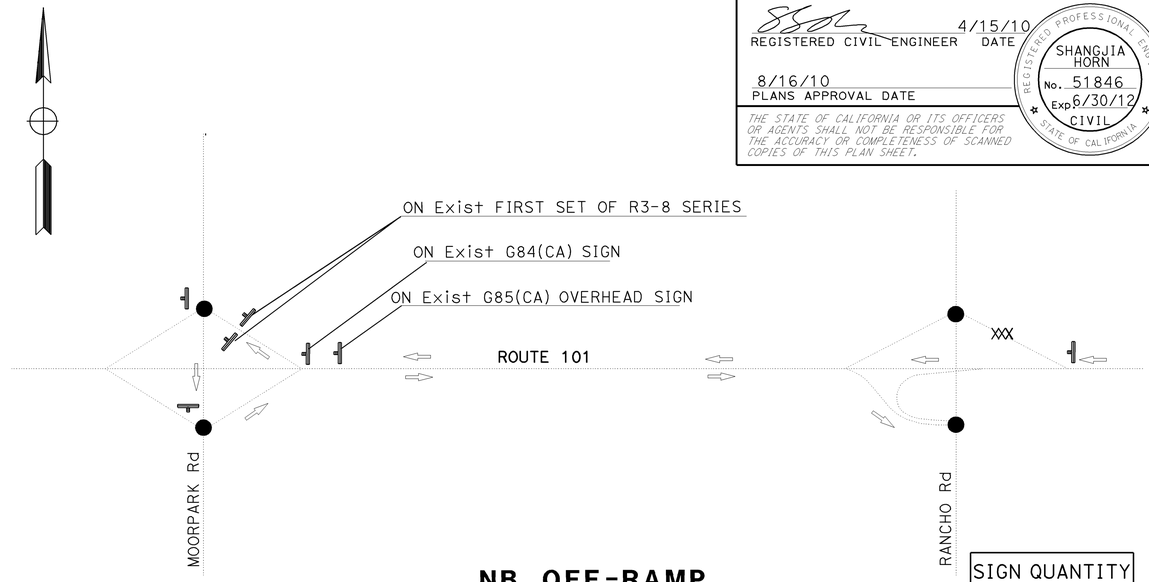
8/16/10
PLANS APPROVAL DATE

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.



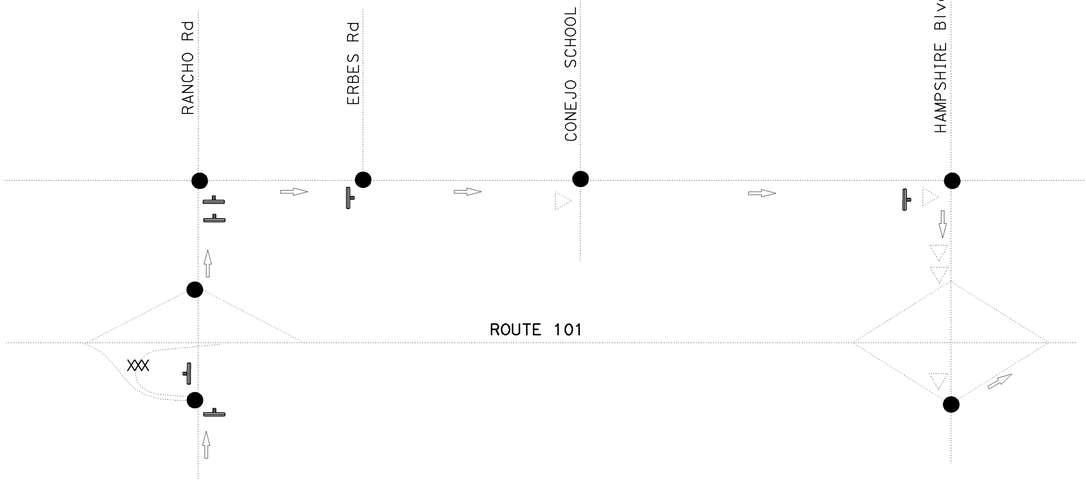
NB ON-RAMP

SIGN QUANTITY	
SP-2	7



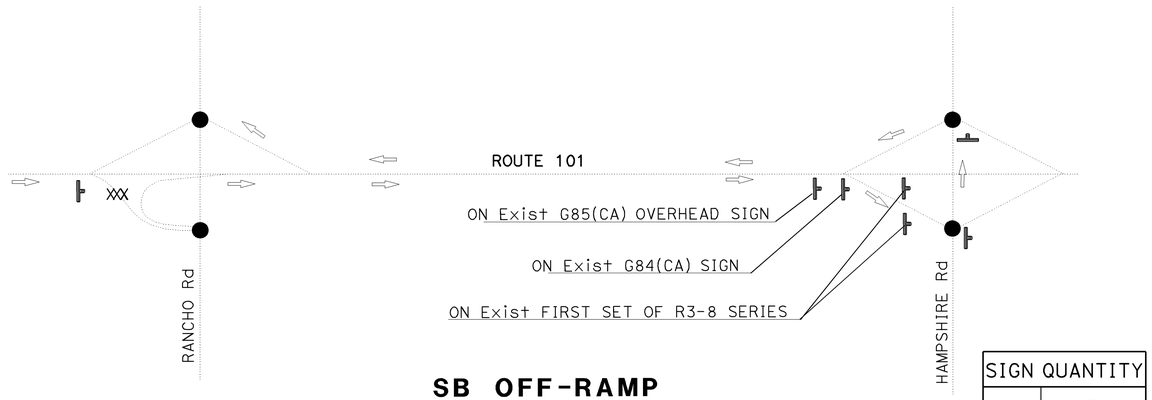
NB OFF-RAMP

SIGN QUANTITY	
SP-2	7



SB ON-RAMP

SIGN QUANTITY	
SP-2	6



SB OFF-RAMP

SIGN QUANTITY	
SP-2	7

NOTES:

1. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. SEE THD-29 FOR SIGN SP-2 DETAILS.
3. DETOUR SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

LEGEND

- SIGN SP-2
- DIRECTION OF TRAVEL
- SIGNALIZED INTERSECTION
- XXX RAMP CLOSURE
- EXISTING Fwy GUIDE SIGN

TRAFFIC HANDLING DETAILS
RAMP DETOUR
FOR WORK SHIFT CLOSURES
AT RANCHO ROAD

NO SCALE

THD-15

CHARLES KEELING
SHANGJIA HORN
REVISED BY
DATE REVISED
CALCULATED-DESIGNED BY
CHECKED BY
FUNCTIONAL SUPERVISOR
ALBERT YU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM
Caltrans

LAST REVISION DATE PLOTTED => 25-AUG-2010
00-00-00 TIME PLOTTED => 13:59

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150me015.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1863
PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	45	107

REGISTERED CIVIL ENGINEER 4/22/10 DATE

8/16/10 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SHANGJIA HORN No. 51846 Exp. 6/30/12 CIVIL STATE OF CALIFORNIA

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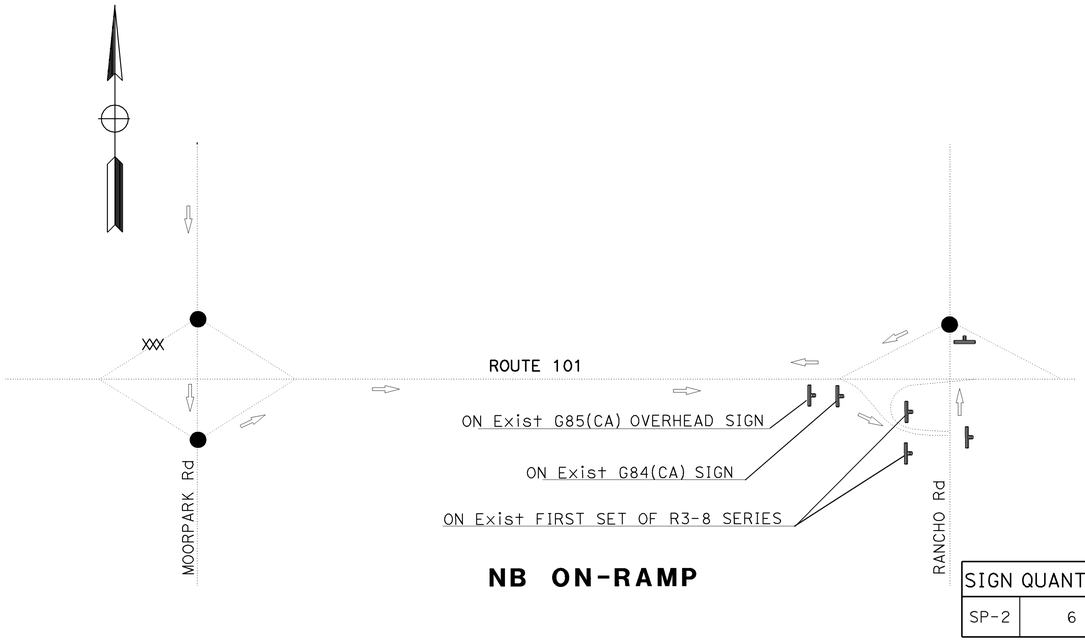
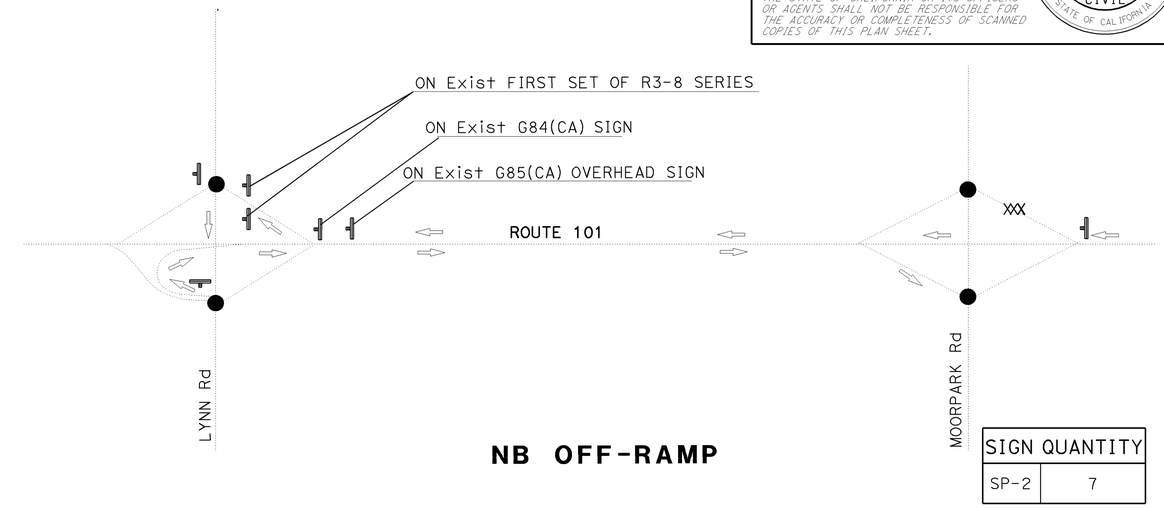


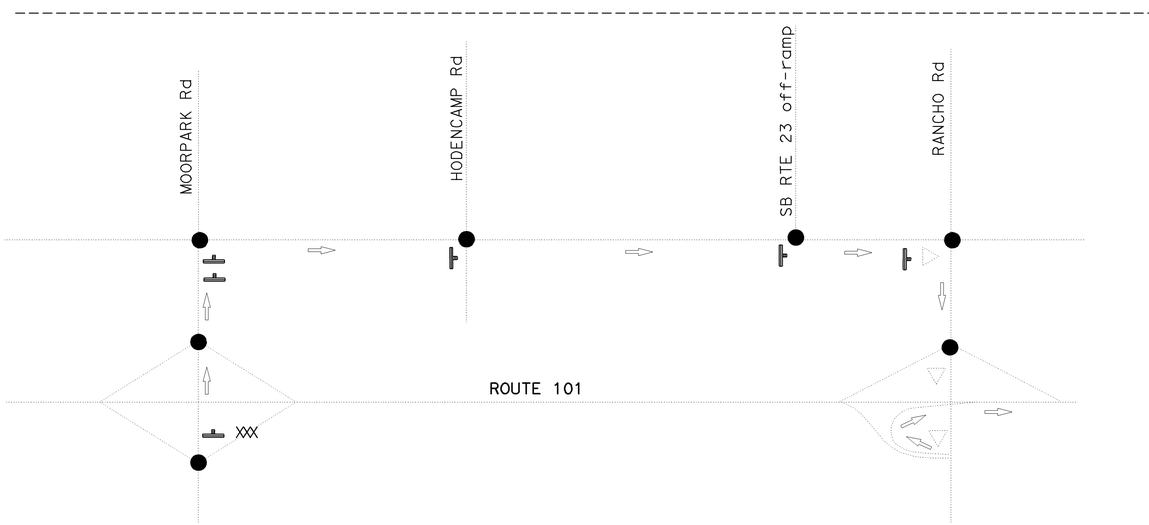
NB ON-RAMP

SIGN QUANTITY	
SP-2	6



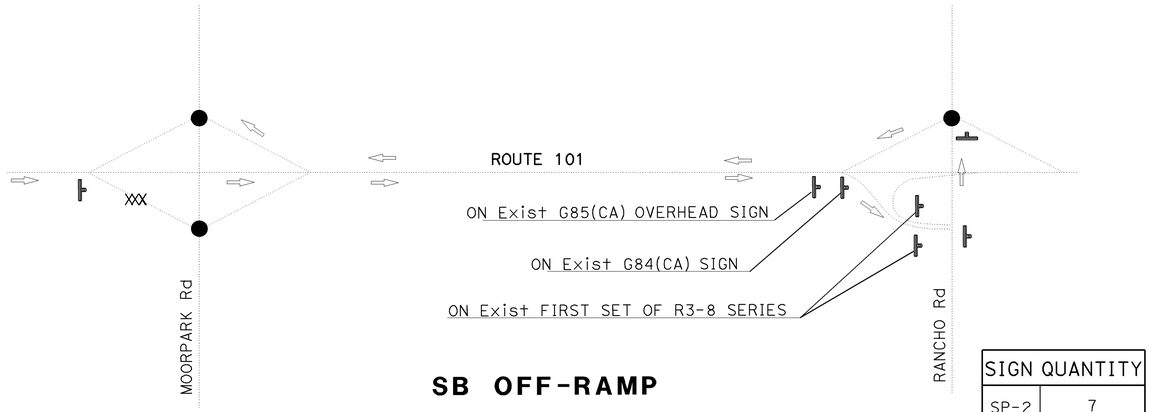
NB OFF-RAMP

SIGN QUANTITY	
SP-2	7



SB ON-RAMP

SIGN QUANTITY	
SP-2	6



SB OFF-RAMP

SIGN QUANTITY	
SP-2	7

NOTES:

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2. SEE THD-29 FOR SIGN SP-2 DETAILS.
3. DETOUR SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

LEGEND

- SIGN SP-2
- DIRECTION OF TRAVEL
- SIGNALIZED INTERSECTION
- XXX RAMP CLOSURE
- EXISTING Fwy GUIDE SIGN

TRAFFIC HANDLING DETAILS
RAMP DETOUR FOR WORK SHIFT CLOSURES AT MOORPARK ROAD

NO SCALE

THD-16

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DTM

FUNCTIONAL SUPERVISOR: ALBERT YU

CALCULATED-DESIGNED BY: CHARLES KEELING

CHECKED BY: SHANGJIA HORN

REVISED BY

DATE REVISED

LAST REVISION 00-00-00

DATE PLOTTED => 25-AUG-2010

TIME PLOTTED => 13:59

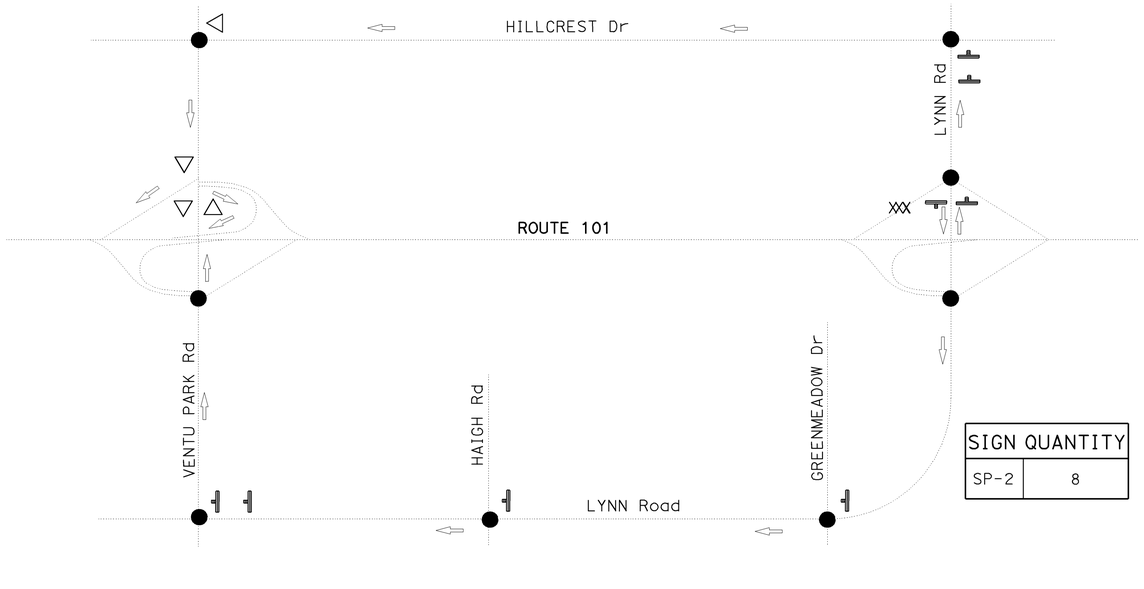
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	46	107

REGISTERED CIVIL ENGINEER 4/15/10 DATE

SHANGJIA HORN No. 51846 Exp 6/30/12 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

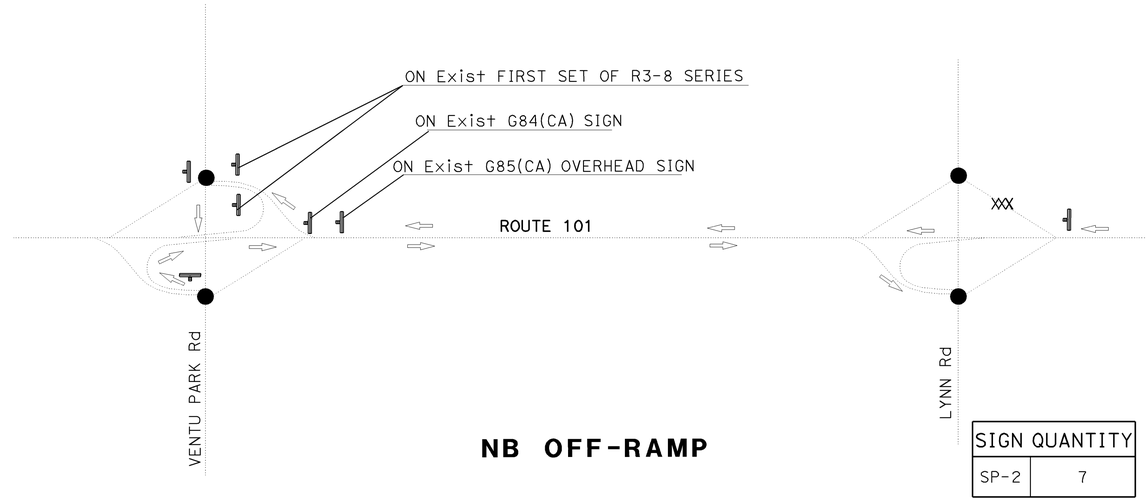
8/16/10
PLANS APPROVAL DATE

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.



SIGN QUANTITY	
SP-2	8

NB ON-RAMP



SIGN QUANTITY	
SP-2	7

NB OFF-RAMP

NOTES:

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2. SEE THD-29 FOR SIGN SP-2 DETAILS.
3. DETOUR SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

LEGEND

- SIGN SP-2
- DIRECTION OF TRAVEL
- SIGNALIZED INTERSECTION
- XXX RAMP CLOSURE
- EXISTING Fwy GUIDE SIGN

TRAFFIC HANDLING DETAILS
RAMP DETOUR
FOR WORK SHIFT CLOSURES
AT LYNN ROAD (NORTH 101)

NO SCALE **THD-17**

CHARLES KEELING — CALCULATED-DESIGNED BY
SHANGJIA HORN — CHECKED BY
REVISED BY — DATE REVISED
FUNCTIONAL SUPERVISOR: ALBERT YU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — DTM — Caltrans

LAST REVISION | DATE PLOTTED => 25-AUG-2010 | TIME PLOTTED => 13:59 | 00-00-00

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150me017.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1863 | PROJECT NUMBER & PHASE 07000201601

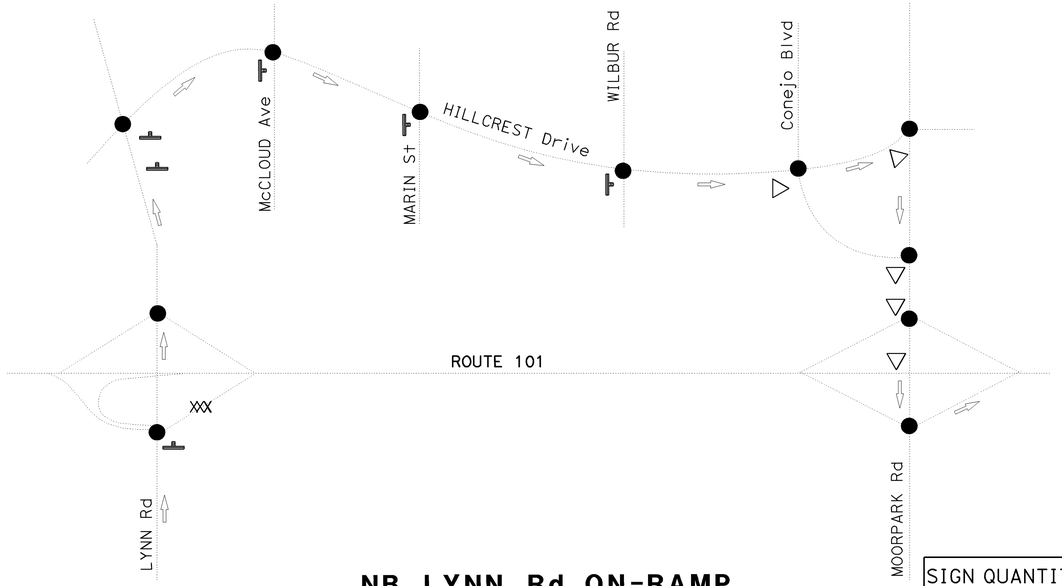
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	47	107

4/15/10
REGISTERED CIVIL ENGINEER DATE

SHANGJIA HORN
No. 51846
Exp 6/30/12
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

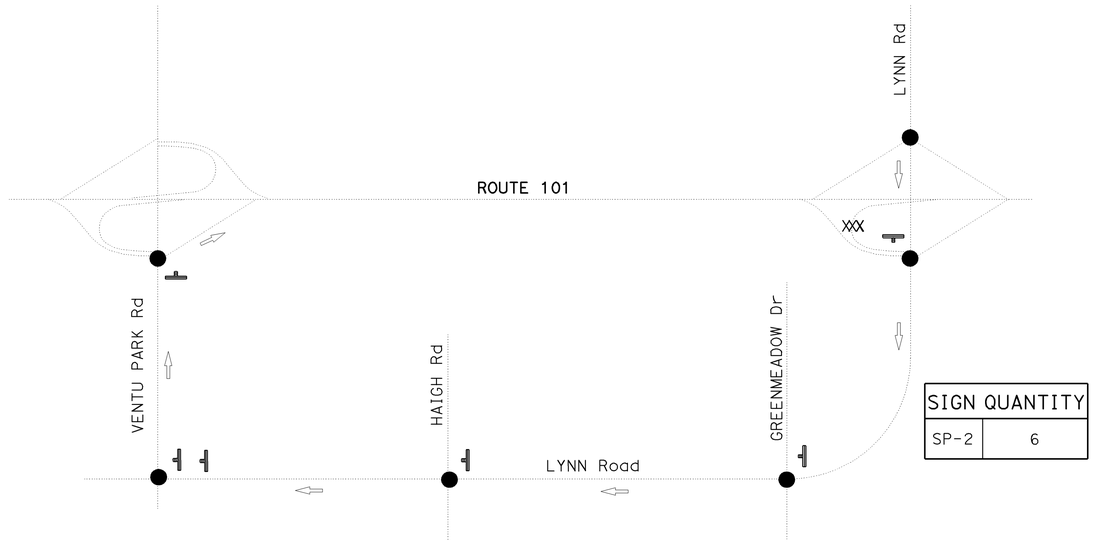
8/16/10
PLANS APPROVAL DATE

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.



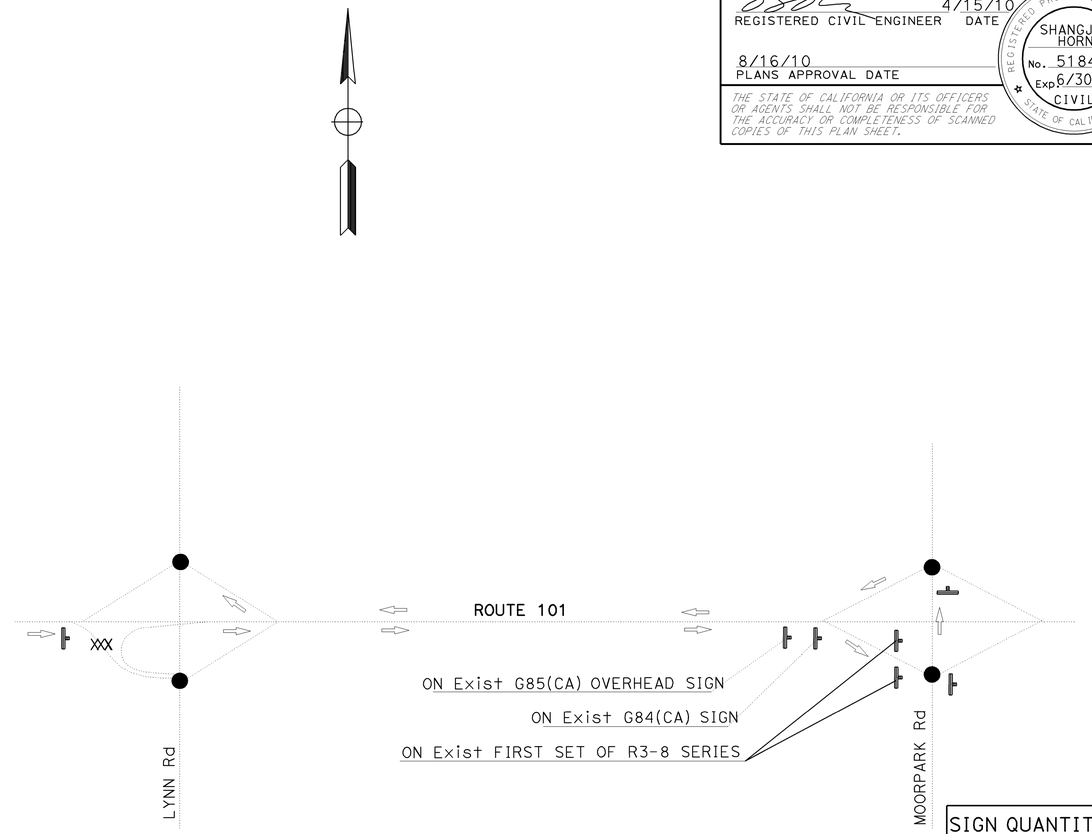
NB LYNN Rd ON-RAMP

SIGN QUANTITY	
SP-2	6



SIGN QUANTITY	
SP-2	6

SB LYNN Rd ON-RAMP



SIGN QUANTITY	
SP-2	7

SB OFF-RAMP

NOTES:

1. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. SEE THD-29 FOR SIGN SP-2 DETAILS.
3. DETOUR SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

LEGEND

- SIGN SP-2
- DIRECTION OF TRAVEL
- SIGNALIZED INTERSECTION
- XXX RAMP CLOSURE
- EXISTING Fwy GUIDE SIGN

TRAFFIC HANDLING DETAILS
RAMP DETOUR
FOR WORK SHIFT CLOSURES
AT LYNN ROAD (SOUTH 101)

NO SCALE

THD-18

CHARLES KEELING
SHANGJIA HORN
REVISED BY
DATE REVISED
CALCULATED-DESIGNED BY
CHECKED BY
FUNCTIONAL SUPERVISOR
ALBERT YU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM
Caltrans

LAST REVISION DATE PLOTTED => 25-AUG-2010
00-00-00 TIME PLOTTED => 13:59

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150me018.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1863
PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	48	107

REGISTERED CIVIL ENGINEER 4/15/10 DATE

SHANGJIA HORN No. 51846 Exp 6/30/12 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

8/16/10
PLANS APPROVAL DATE

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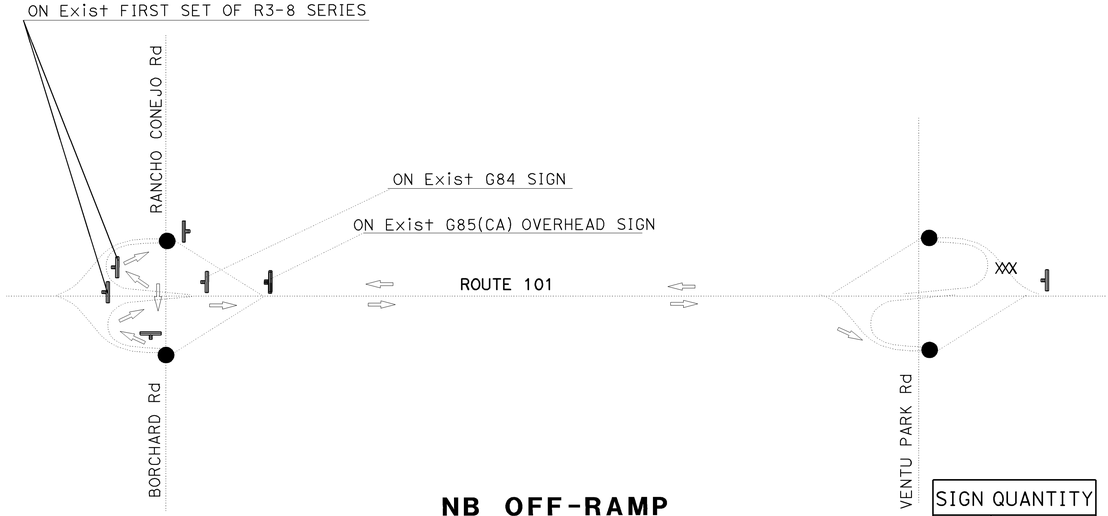
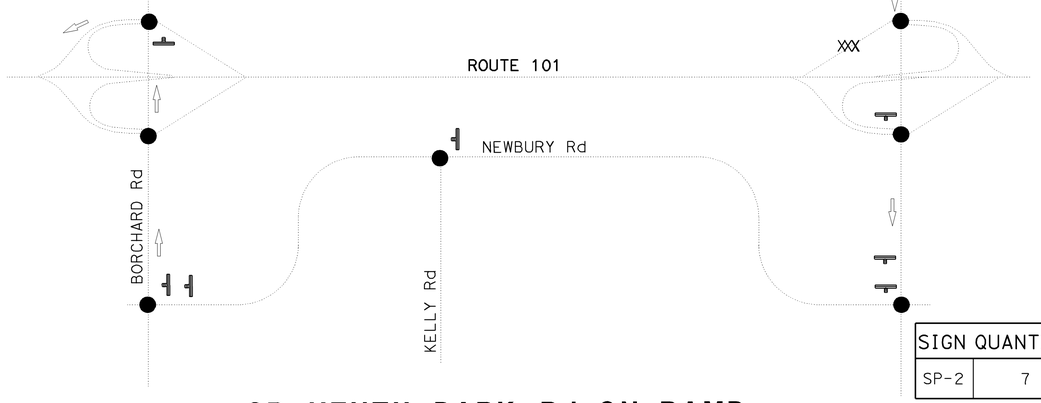
NB VENTU PARK Rd ON-RAMP

SIGN QUANTITY	
SP-2	6



NB OFF-RAMP

SIGN QUANTITY	
SP-2	7



SIGN QUANTITY	
SP-2	7

SB VENTU PARK Rd ON-RAMP

NOTES:

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3. DETOUR SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

LEGEND

- SIGN SP-2
- DIRECTION OF TRAVEL
- SIGNALIZED INTERSECTION
- XXX RAMP CLOSURE
- EXISTING Fwy GUIDE SIGN

TRAFFIC HANDLING DETAILS
RAMP DETOUR
FOR WORK SHIFT CLOSURES
AT VENTU PARK ROAD (NORTH 101)

NO SCALE **THD-19**

CHARLES KEELING — CALCULATED-DESIGNED BY
SHANGJIA HORN — CHECKED BY
REVISED BY — DATE REVISED
FUNCTIONAL SUPERVISOR: ALBERT YU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — DTM — Caltrans

LAST REVISION | DATE PLOTTED => 25-AUG-2010 | 00-00-00 | TIME PLOTTED => 13:59

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150me019.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1863 | PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	49	107

4/15/10
REGISTERED CIVIL ENGINEER DATE

SHANGJIA HORN
No. 51846
Exp 6/30/12
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

8/16/10
PLANS APPROVAL DATE

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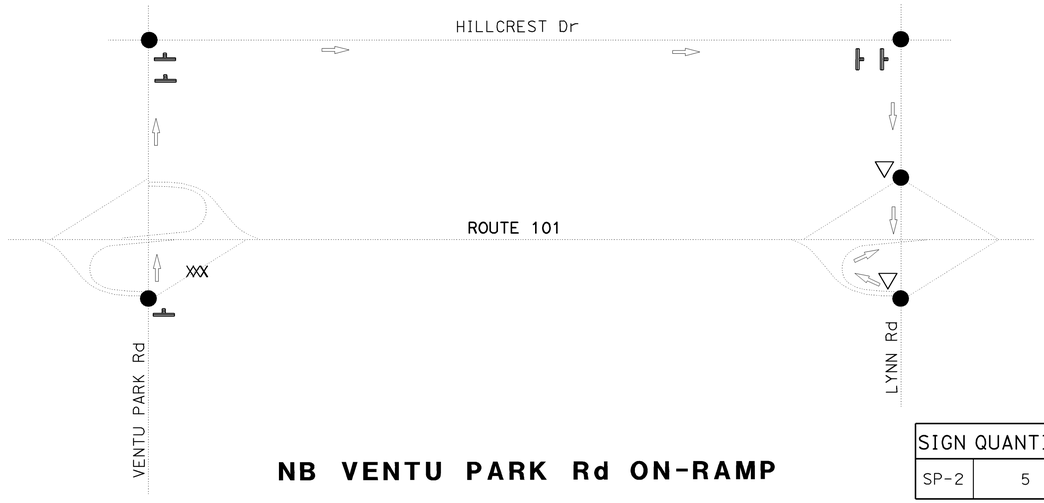
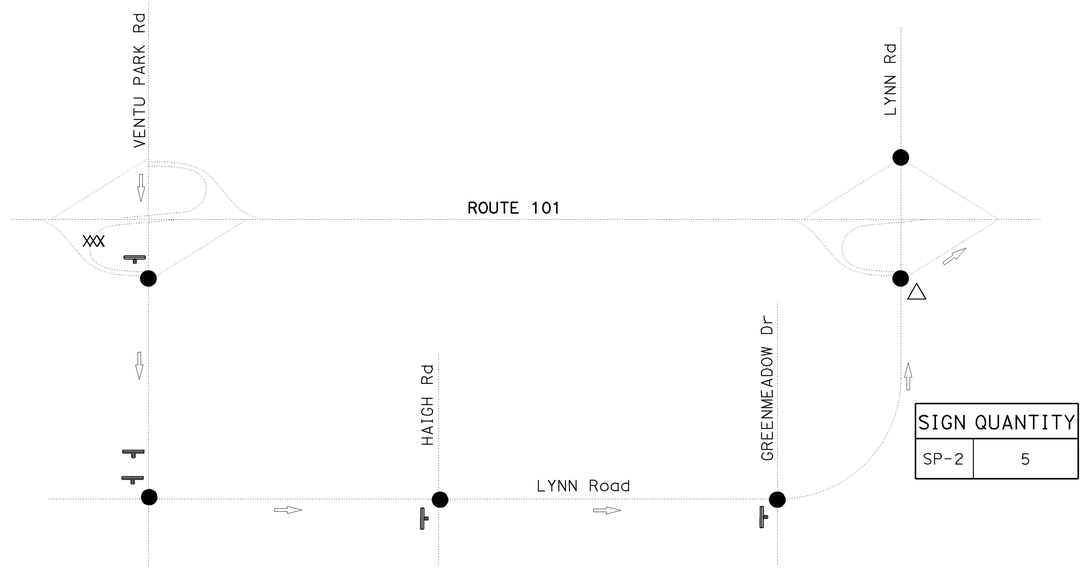


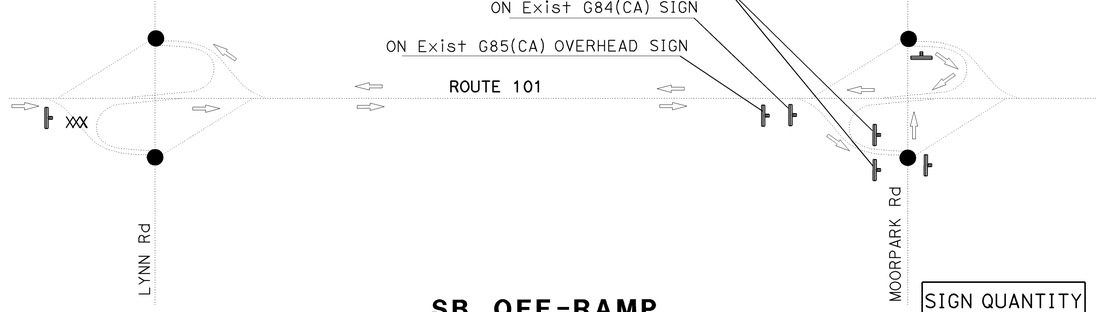
NB VENTU PARK Rd ON-RAMP

SIGN QUANTITY	
SP-2	5



SIGN QUANTITY	
SP-2	5

SB VENTU PARK Rd ON-RAMP



SIGN QUANTITY	
SP-2	7

SB OFF-RAMP

NOTES:

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2. SEE THD-29 FOR SIGN SP-2 DETAILS.
3. DETOUR SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

LEGEND

- SIGN SP-2
- DIRECTION OF TRAVEL
- SIGNALIZED INTERSECTION
- XXX RAMP CLOSURE
- EXISTING Fwy GUIDE SIGN

TRAFFIC HANDLING DETAILS
RAMP DETOUR
FOR WORK SHIFT CLOSURES
AT VENTU PARK ROAD (SOUTH 101)

NO SCALE

THD-20

CHARLES KEELING
SHANGJIA HORN
CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR
ALBERT YU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM
Caltrans

LAST REVISION | DATE PLOTTED => 25-AUG-2010 | TIME PLOTTED => 13:59 | 00-00-00

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150me020.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1863 | PROJECT NUMBER & PHASE 07000201601

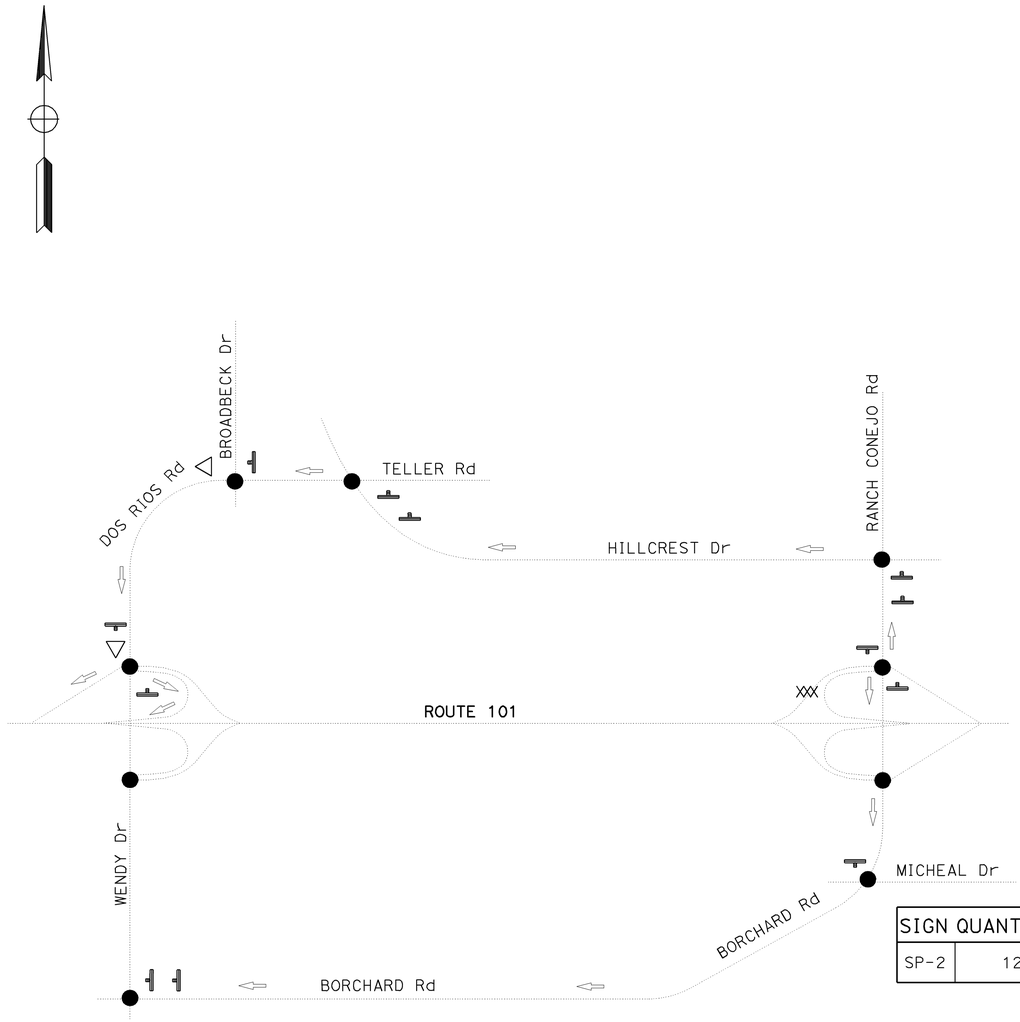
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	50	107

REGISTERED CIVIL ENGINEER 4/15/10 DATE

8/16/10 PLANS APPROVAL DATE

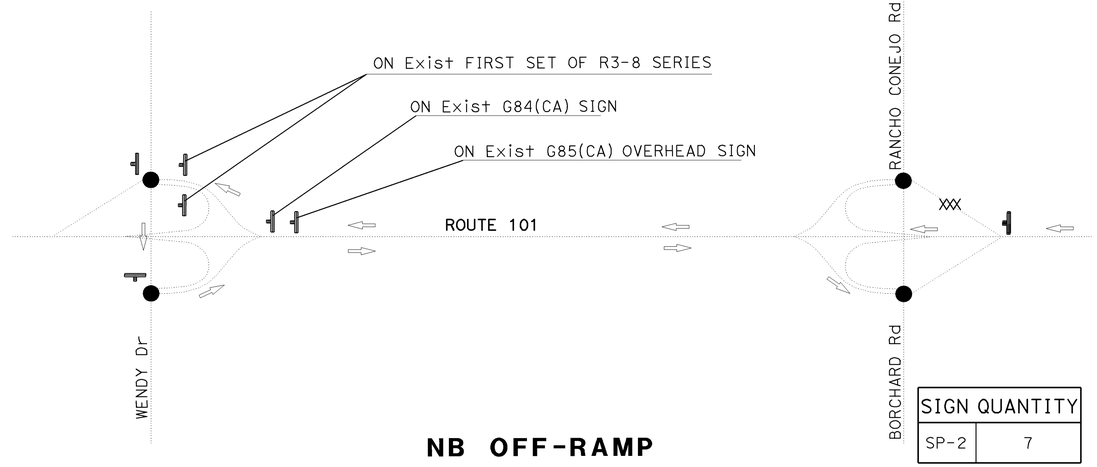
REGISTERED PROFESSIONAL ENGINEER SHANGJIA HORN No. 51846 Exp. 6/30/12 CIVIL STATE OF CALIFORNIA

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.



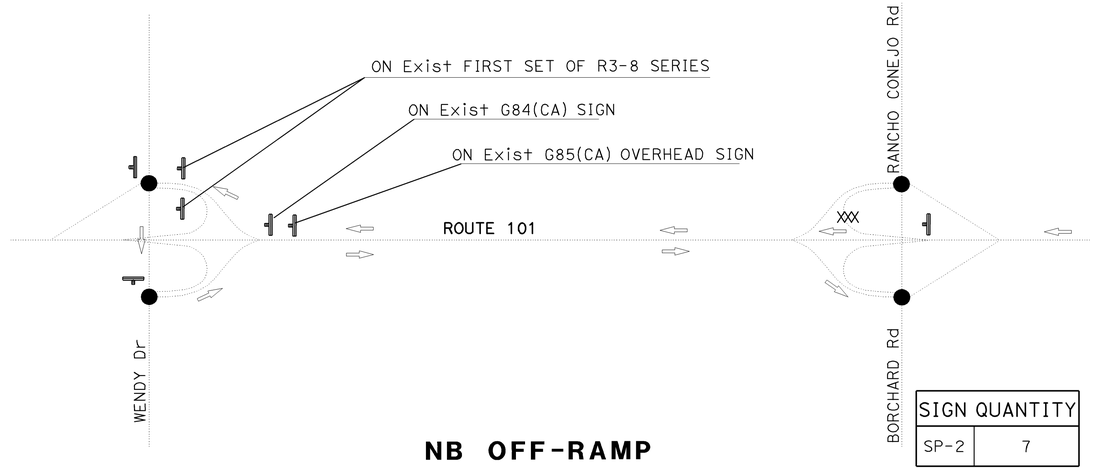
SIGN QUANTITY	
SP-2	12

NB ON-RAMP



SIGN QUANTITY	
SP-2	7

NB OFF-RAMP



SIGN QUANTITY	
SP-2	7

NB OFF-RAMP

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2. SEE THD-29 FOR SIGN SP-2 DETAILS.
3. DETOUR SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

LEGEND

- SIGN SP-2
- DIRECTION OF TRAVEL
- SIGNALIZED INTERSECTION
- XXX RAMP CLOSURE
- EXISTING Fwy GUIDE SIGN

TRAFFIC HANDLING DETAILS
RAMP DETOUR
FOR WORK SHIFT CLOSURES
AT BORCHARD ROAD (NORTH 101)

NO SCALE **THD-21**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® DTM

FUNCTIONAL SUPERVISOR: ALBERT YU

CALCULATED-DESIGNED BY: CHARLES KEELING

CHECKED BY: SHANGJIA HORN

REVISED BY

DATE REVISED

LAST REVISION 00-00-00

DATE PLOTTED => 25-AUG-2010

TIME PLOTTED => 13:59

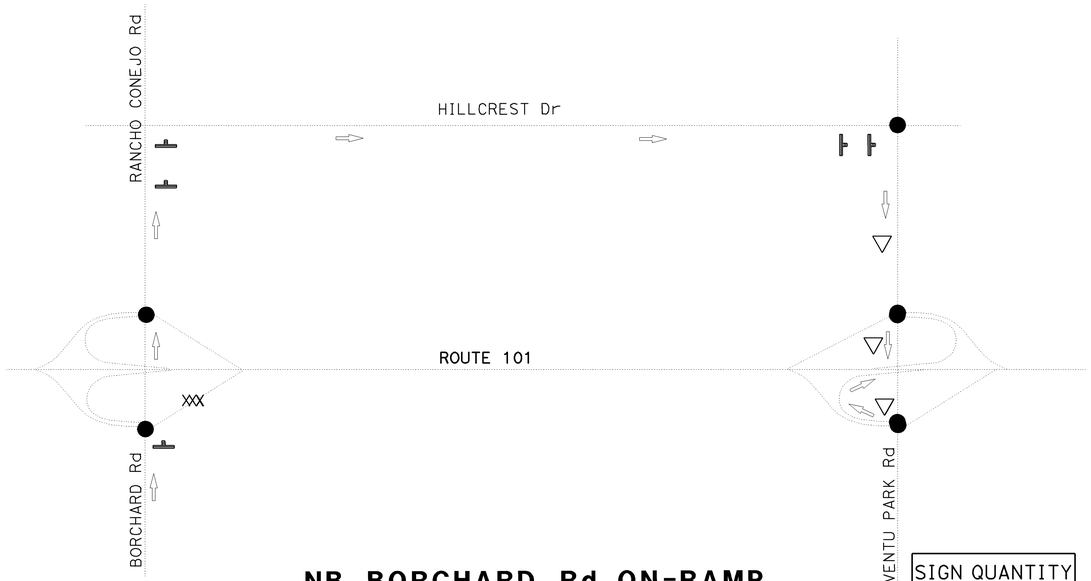
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	51	107

4/15/10
REGISTERED CIVIL ENGINEER DATE

SHANGJIA HORN
No. 51846
Exp 6/30/12
CIVIL

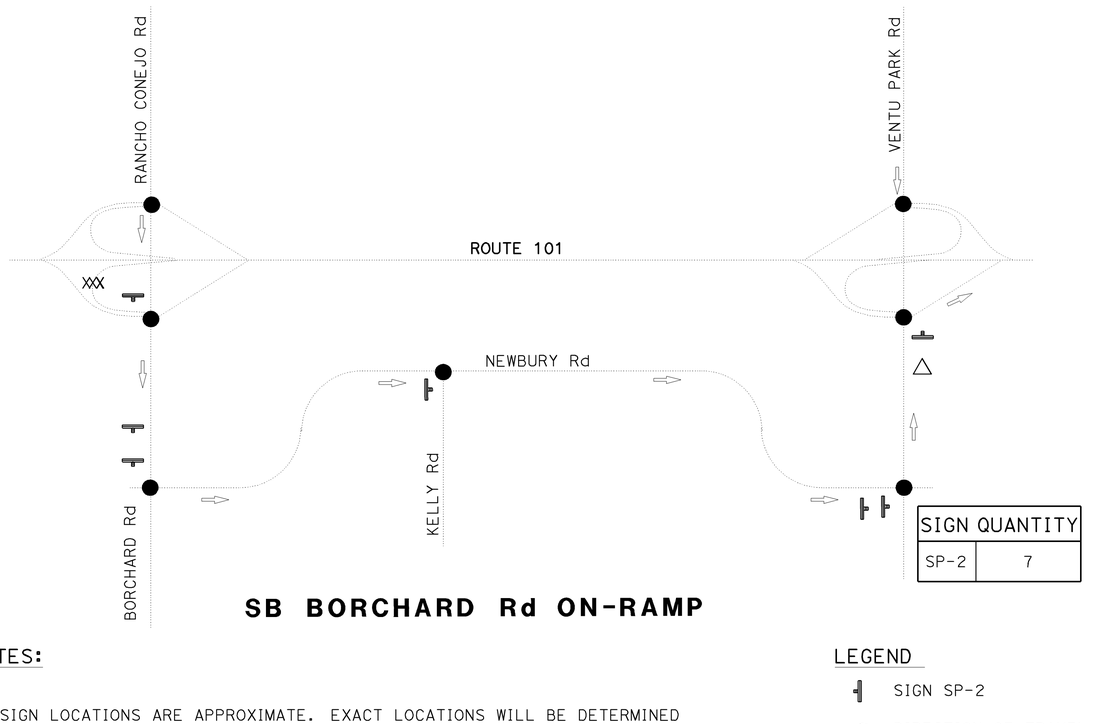
8/16/10
PLANS APPROVAL DATE

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.



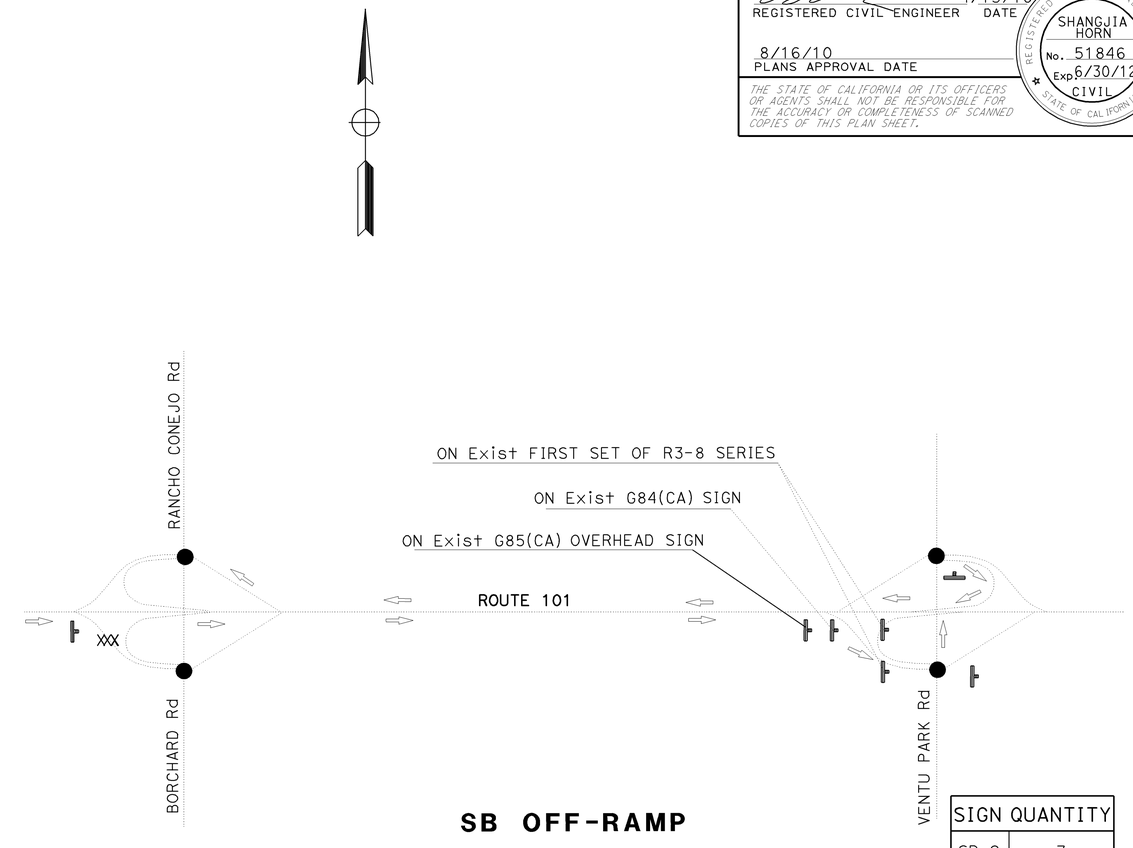
NB BORCHARD Rd ON-RAMP

SIGN QUANTITY	
SP-2	5



SB BORCHARD Rd ON-RAMP

SIGN QUANTITY	
SP-2	7



SB OFF-RAMP

SIGN QUANTITY	
SP-2	7

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3. DETOUR SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

LEGEND

- SIGN SP-2
- DIRECTION OF TRAVEL
- SIGNALIZED INTERSECTION
- XXX RAMP CLOSURE
- EXISTING Fwy GUIDE SIGN

TRAFFIC HANDLING DETAILS
RAMP DETOUR
FOR WORK SHIFT CLOSURES
AT BORCHARD ROAD (SOUTH 101)

NO SCALE

THD-22

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM
FUNCTIONAL SUPERVISOR: ALBERT YU
CALCULATED-DESIGNED BY: CHARLES KEELING
CHECKED BY: SHANGJIA HORN
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 25-AUG-2010
TIME PLOTTED => 13:59
00-00-00

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150me022.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1863
PROJECT NUMBER & PHASE 07000201601

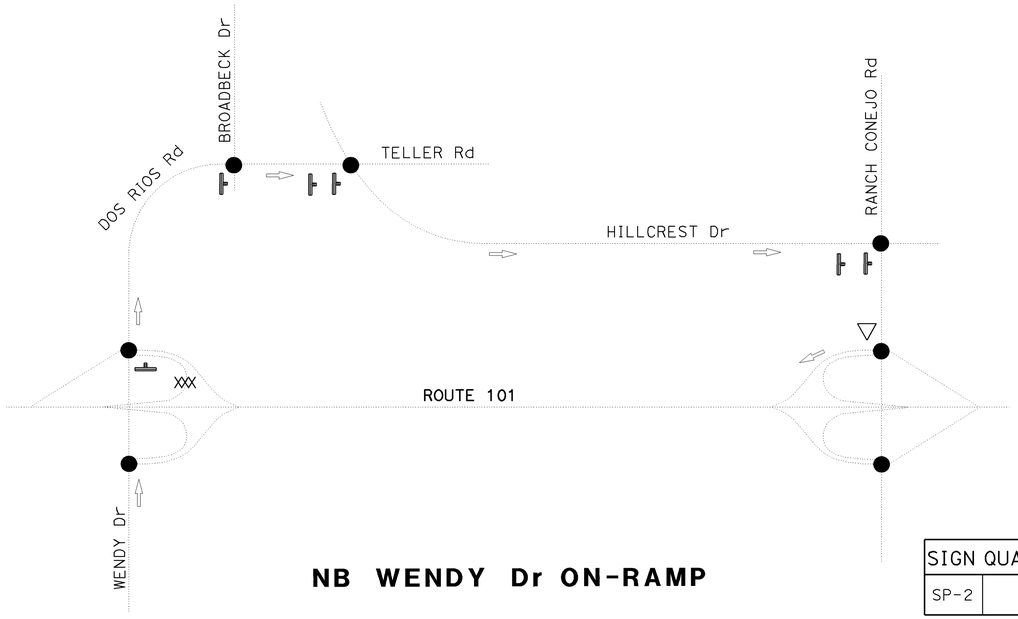
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	52	107

4/15/10
REGISTERED CIVIL ENGINEER DATE

SHANGJIA HORN
No. 51846
Exp 6/30/12
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

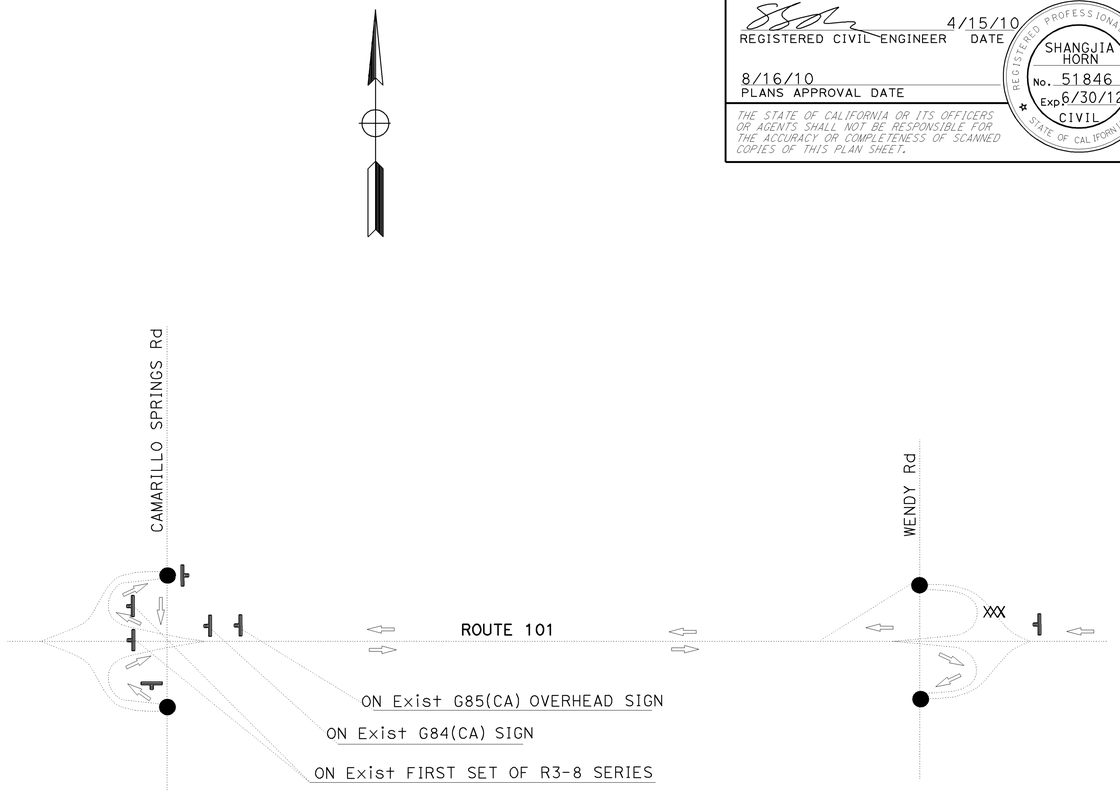
8/16/10
PLANS APPROVAL DATE

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.



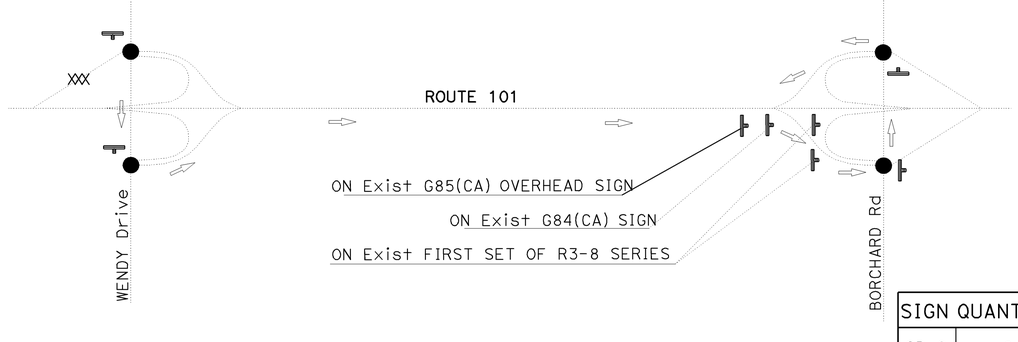
NB WENDY Dr ON-RAMP

SIGN QUANTITY	
SP-2	6



SIGN QUANTITY	
SP-2	7

NB OFF-RAMP



SIGN QUANTITY	
SP-2	8

SB WENDY Dr ON-RAMP

NOTES:

1. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. SEE THD-29 FOR SIGN SP-2 DETAILS.
3. DETOUR SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

LEGEND

- SIGN SP-2
- DIRECTION OF TRAVEL
- SIGNALIZED INTERSECTION
- XXX RAMP CLOSURE
- EXISTING Fwy GUIDE SIGN

TRAFFIC HANDLING DETAILS
RAMP DETOUR
FOR WORK SHIFT CLOSURES
AT WENDY DRIVE (NORTH 101)

NO SCALE

THD-23

CALCULATED-DESIGNED BY: CHARLES KEELING
CHECKED BY: SHANGJIA HORN
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR: ALBERT YU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM
Caltrans

LAST REVISION DATE PLOTTED => 25-AUG-2010
00-00-00 TIME PLOTTED => 13:59

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150me023.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1863
PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	53	107

REGISTERED CIVIL ENGINEER 4/15/10 DATE

8/16/10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SHANGJIA HORN No. 51846 Exp. 6/30/12 CIVIL STATE OF CALIFORNIA

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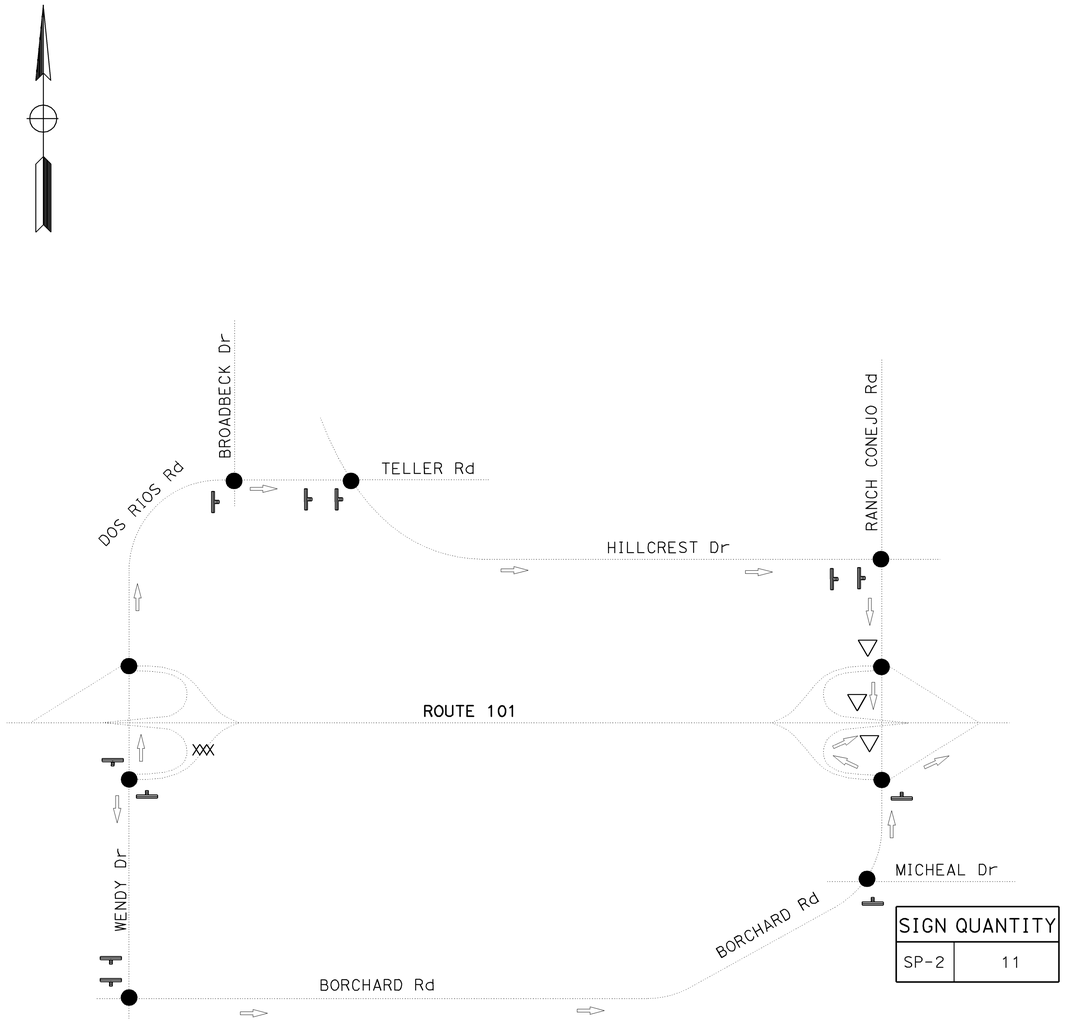
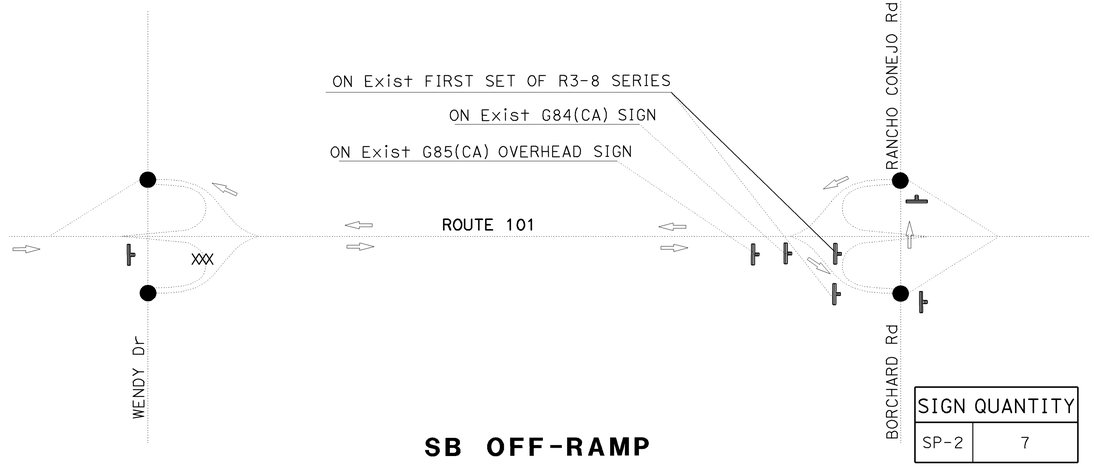


SIGN QUANTITY	
SP-2	11

SB ON-RAMP



SIGN QUANTITY	
SP-2	7

SB OFF-RAMP

NOTES:

1. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. SEE THD-29 FOR SIGN SP-2 DETAILS.
3. DETOUR SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

LEGEND

- SIGN SP-2
- DIRECTION OF TRAVEL
- SIGNALIZED INTERSECTION
- XXX RAMP CLOSURE
- EXISTING Fwy GUIDE SIGN

TRAFFIC HANDLING DETAILS
RAMP DETOUR
FOR WORK SHIFT CLOSURES
AT WENDY DRIVE (SOUTH 101)

NO SCALE **THD-24**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DTM

FUNCTIONAL SUPERVISOR: ALBERT YU
CALCULATED-DESIGNED BY: CHARLES KEELING
CHECKED BY: SHANGJIA HORN
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 25-AUG-2010
TIME PLOTTED => 13:59

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	54	107

REGISTERED CIVIL ENGINEER 4/15/10 DATE

8/16/10 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SHANGJIA HORN — No. 51846 — Exp 6/30/12 — CIVIL — STATE OF CALIFORNIA

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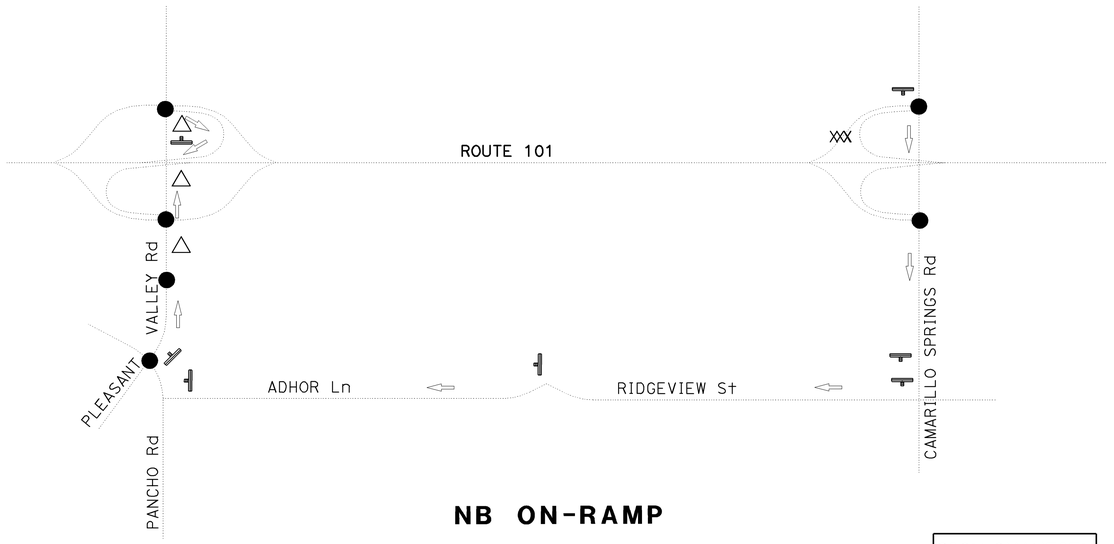
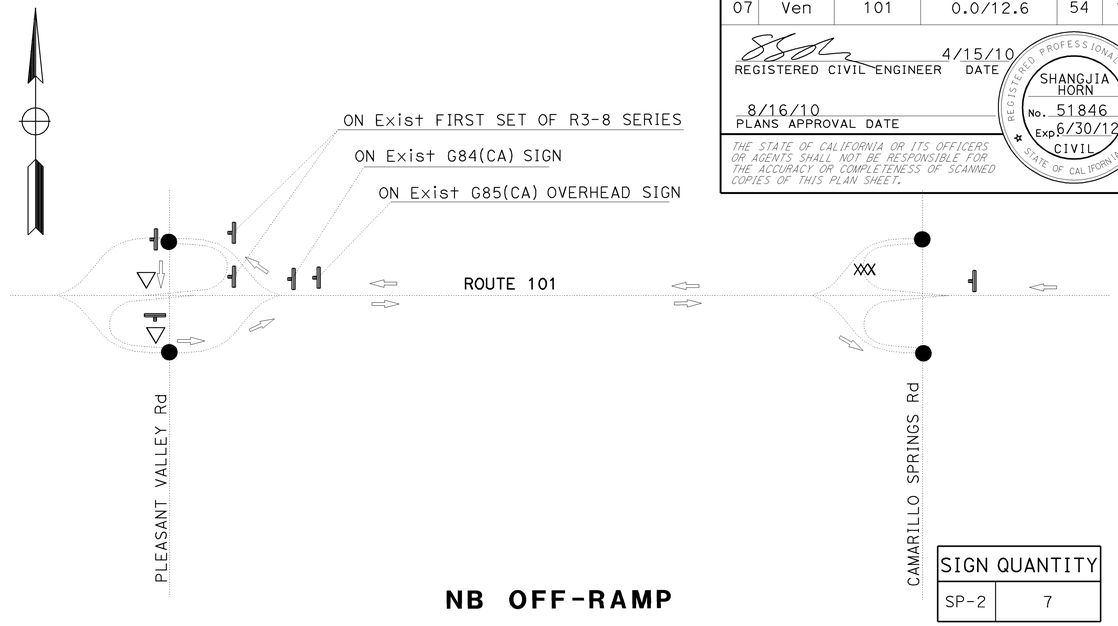


NB ON-RAMP

SIGN QUANTITY	
SP-2	7

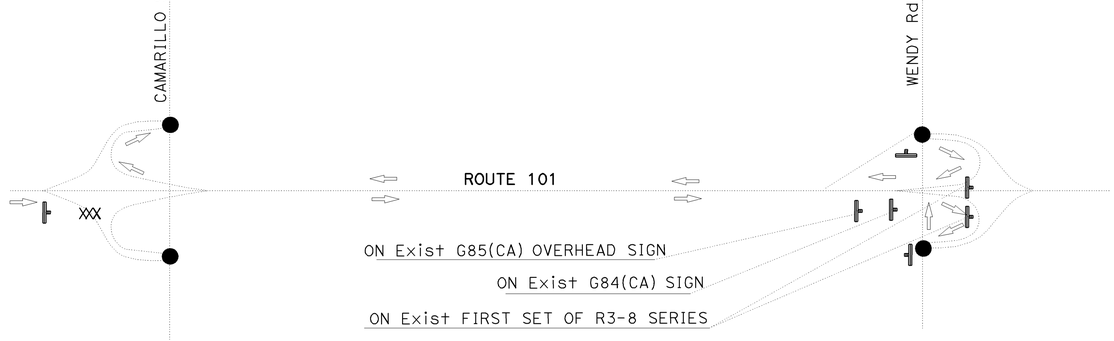


NB OFF-RAMP

SIGN QUANTITY	
SP-2	7

SB ON-RAMP

SIGN QUANTITY	
SP-2	8



SB OFF-RAMP

SIGN QUANTITY	
SP-2	7

NOTES:

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2. SEE THD-29 FOR SIGN SP-2 DETAILS.
3. DETOUR SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

LEGEND

- SIGN SP-2
- DIRECTION OF TRAVEL
- SIGNALIZED INTERSECTION
- XXX RAMP CLOSURE
- EXISTING Fwy GUIDE SIGN

TRAFFIC HANDLING DETAILS
RAMP DETOUR
FOR WORK SHIFT CLOSURES
AT CAMARILLO SPRINGS ROAD

NO SCALE **THD-25**

CHARLES KEELING — SHANGJIA HORN — REVISED BY — DATE REVISED

CALCULATED-DESIGNED BY — CHECKED BY

FUNCTIONAL SUPERVISOR — ALBERT YU

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — DTM — Caltrans

LAST REVISION DATE PLOTTED => 25-AUG-2010 TIME PLOTTED => 13:59 — 00-00-00

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 DGN FILE => 725150me025.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1863 | PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	55	107

REGISTERED CIVIL ENGINEER 4/15/10 DATE

8/16/10 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SHANGJIA HORN No. 51846 Exp. 6/30/12 CIVIL STATE OF CALIFORNIA

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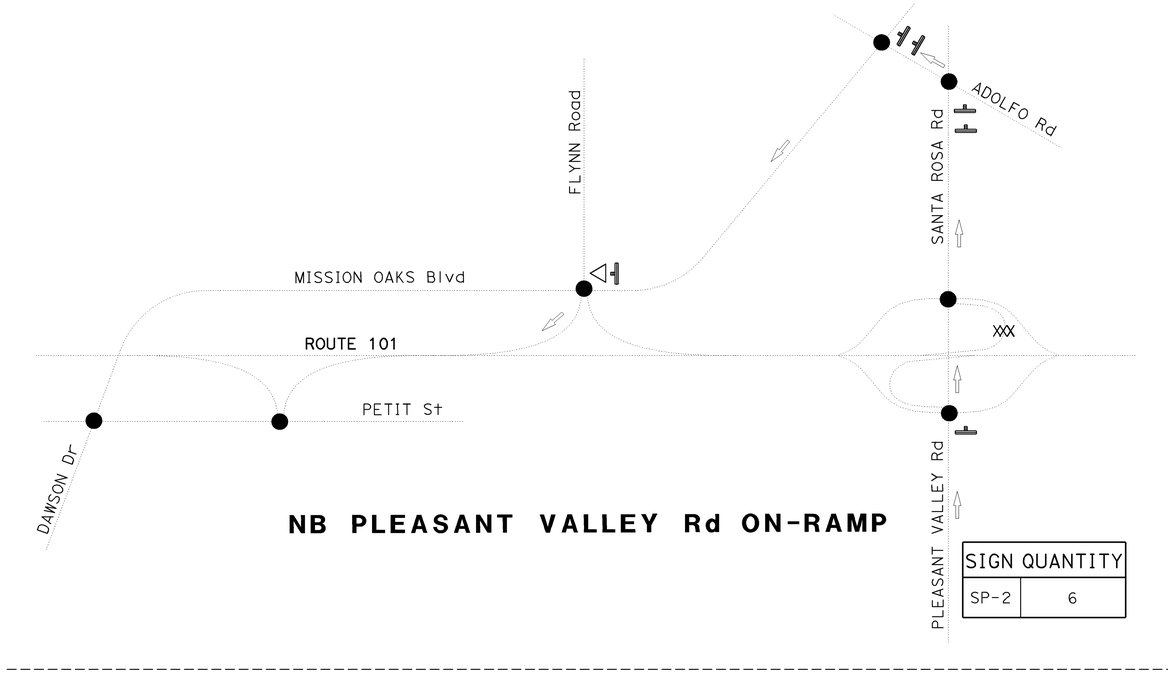
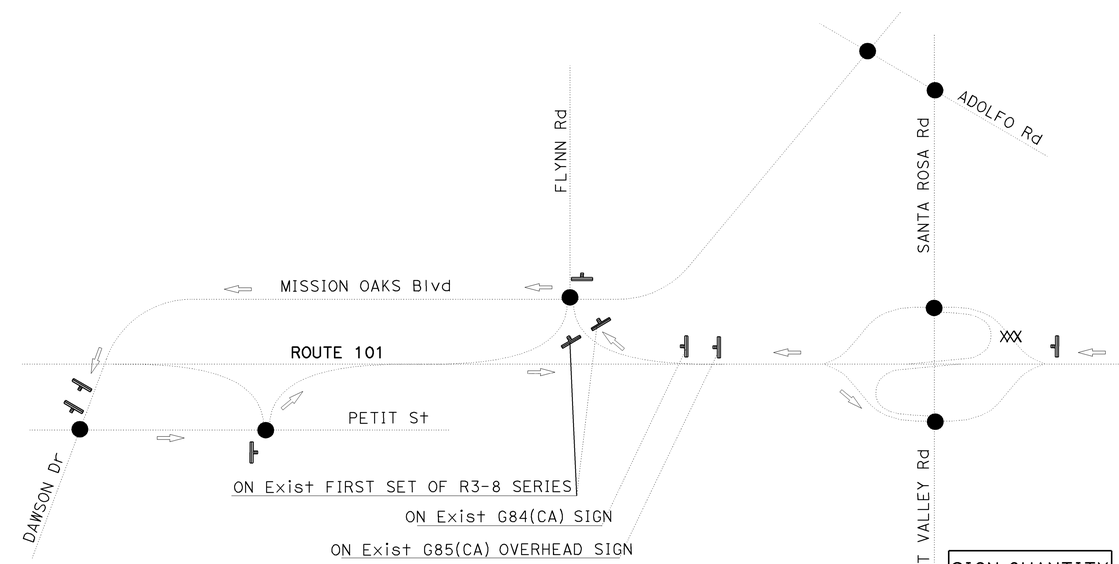


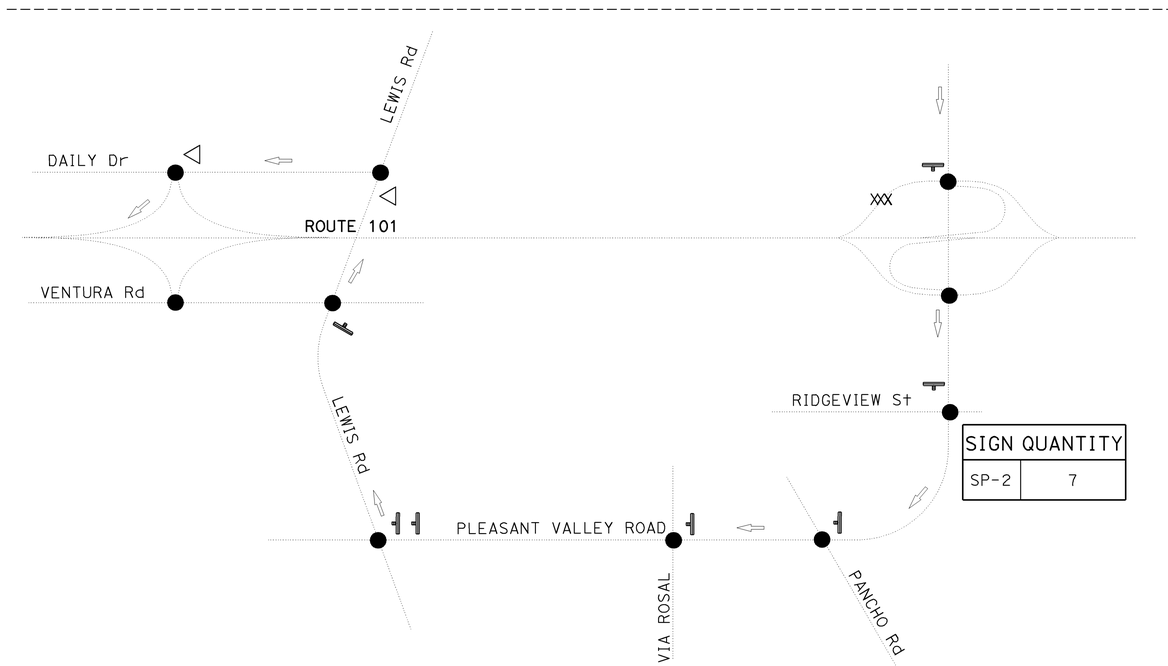
NB PLEASANT VALLEY Rd ON-RAMP

SIGN QUANTITY	
SP-2	6



SIGN QUANTITY	
SP-2	9

NB OFF-RAMP



SIGN QUANTITY	
SP-2	7

SB PLEASANT VALLEY Rd ON-RAMP

NOTES:

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2. SEE THD-29 FOR SIGN SP-2 DETAILS.
3. DETOUR SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

LEGEND

- SIGN SP-2
- DIRECTION OF TRAVEL
- SIGNALIZED INTERSECTION
- XXX RAMP CLOSURE
- EXISTING Fwy GUIDE SIGN

TRAFFIC HANDLING DETAILS
RAMP DETOUR
FOR WORK SHIFT CLOSURES

NO SCALE

THD-26

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DTM

FUNCTIONAL SUPERVISOR: ALBERT YU

CALCULATED-DESIGNED BY: CHARLES KEELING

CHECKED BY: SHANGJIA HORN

REVISED BY

DATE REVISED

LAST REVISION 00-00-00

DATE PLOTTED => 25-AUG-2010

TIME PLOTTED => 13:59

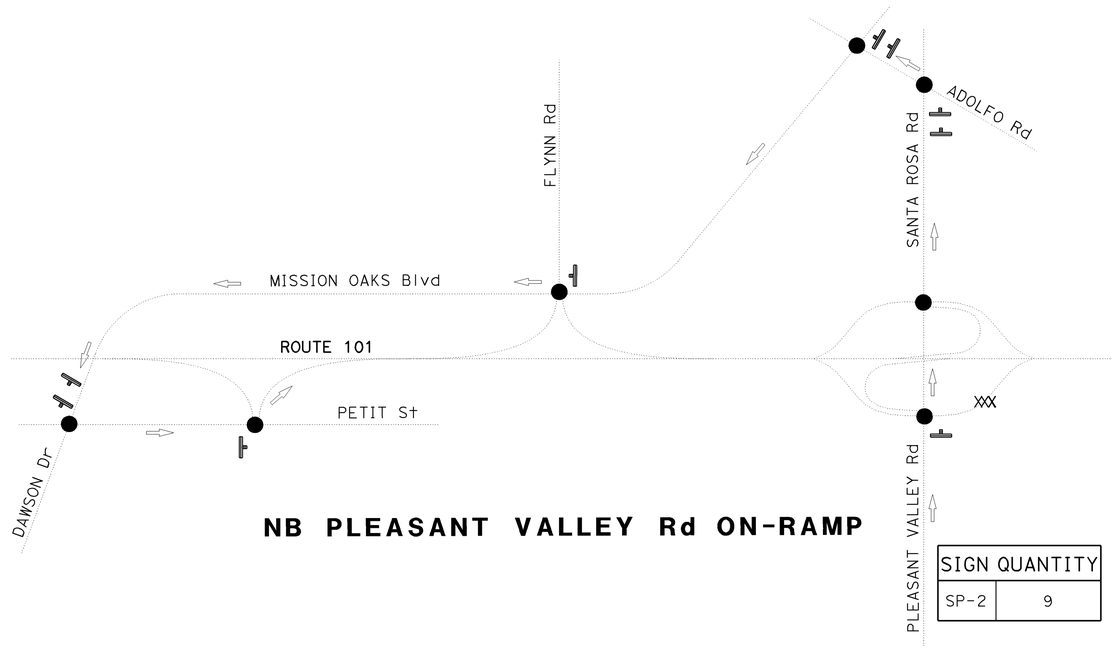
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	56	107

REGISTERED CIVIL ENGINEER — 4/15/10 DATE

PLANS APPROVAL DATE — 8/16/10

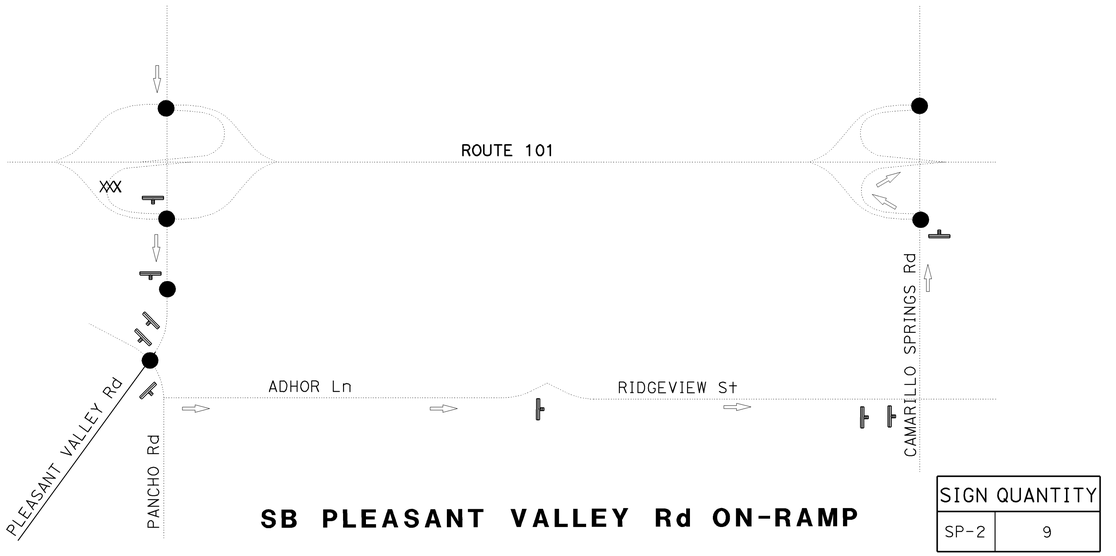
REGISTERED PROFESSIONAL ENGINEER
SHANGJIA HORN
No. 51846
Exp 6/30/12
CIVIL
STATE OF CALIFORNIA

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.



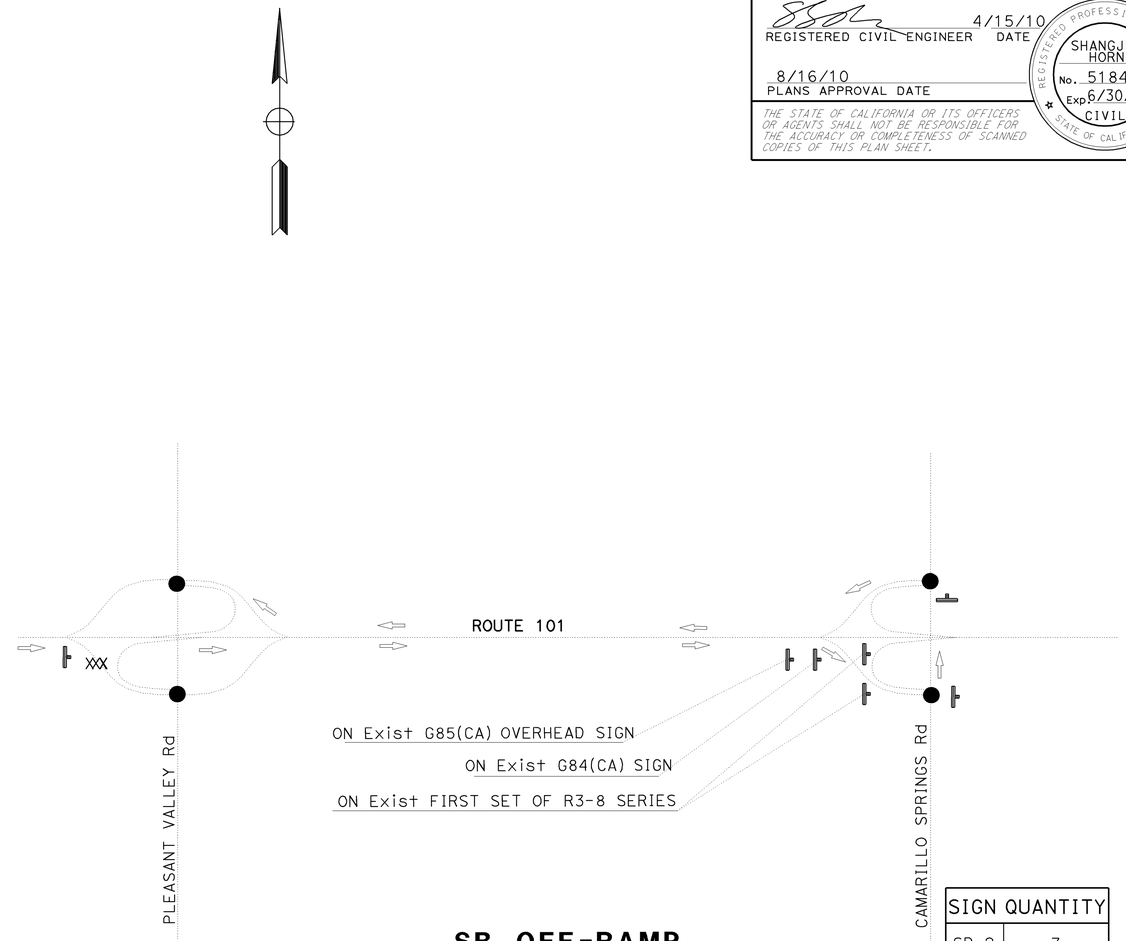
NB PLEASANT VALLEY Rd ON-RAMP

SIGN QUANTITY	
SP-2	9



SB PLEASANT VALLEY Rd ON-RAMP

SIGN QUANTITY	
SP-2	9



SB OFF-RAMP

SIGN QUANTITY	
SP-2	7

NOTES:

1. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. SEE THD-29 FOR SIGN SP-2 DETAILS.
3. DETOUR SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

LEGEND

- SIGN SP-2
- DIRECTION OF TRAVEL
- SIGNALIZED INTERSECTION
- XXX RAMP CLOSURE
- EXISTING Fwy GUIDE SIGN

TRAFFIC HANDLING DETAILS
RAMP DETOUR
FOR WORK SHIFT CLOSURES
AT PLEASANT VALLEY ROAD (SOUTH 101)

NO SCALE

THD-27

CALCULATED-DESIGNED BY	
CHECKED BY	
REVISED BY	
DATE REVISED	
CHARLES KEELING	
SHANGJIA HORN	
FUNCTIONAL SUPERVISOR	ALBERT YU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DTM
Caltrans	

LAST REVISION | DATE PLOTTED => 25-AUG-2010
00-00-00 | TIME PLOTTED => 13:59

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150me027.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1863 | PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	57	107

3/25/10
REGISTERED CIVIL ENGINEER DATE

SHANGJIA HORN
No. 51846
Exp 6/30/12
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

8/16/10
PLANS APPROVAL DATE

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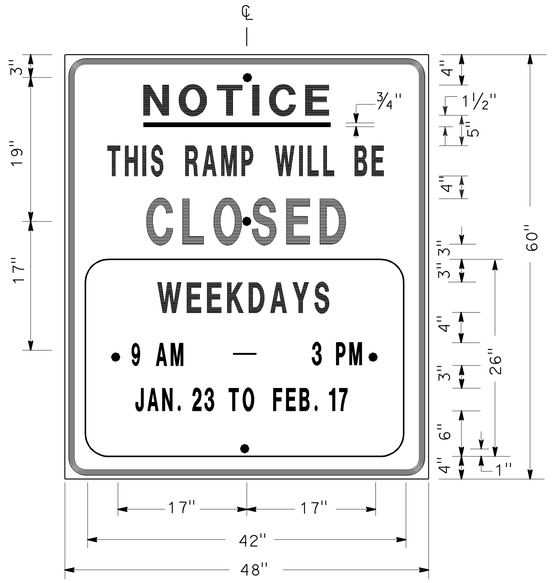
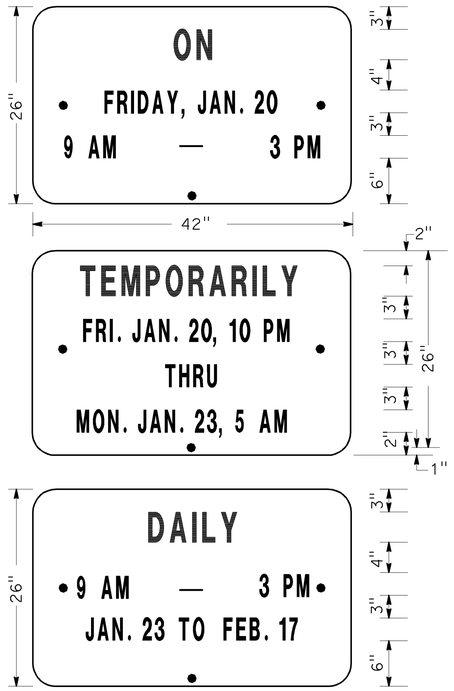


SIGN SP-1



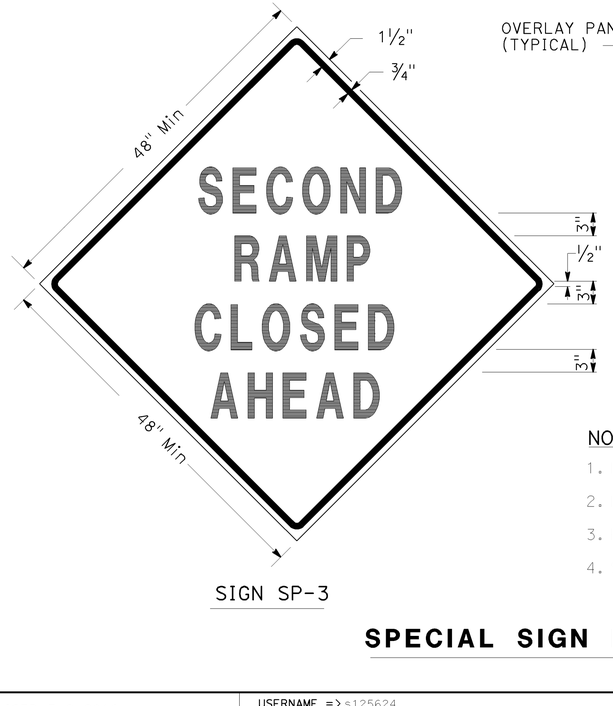
ALTERNATE OVERLAY PANELS (TYPICAL)

NOTES: (SIGN SP-1)

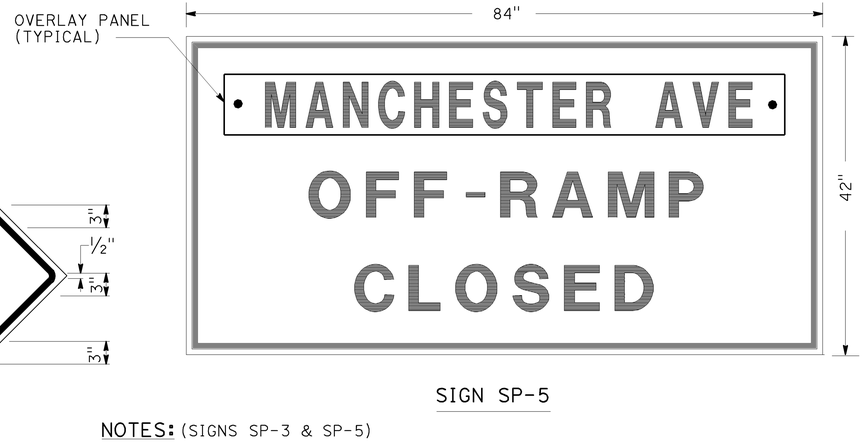
1. SIGNS SHALL HAVE ORANGE RETROREFLECTORIZED BACKGROUND WITH BLACK BORDER AND LETTERS.
2. BOLT HOLES SHALL BE 3/8" DIAMETER.
3. BASE MATERIAL SHALL BE ALUMINUM (MINIMUM 0.06").
4. SIGNS SHALL BE MOUNTED WITH BOTTOMS OF SIGNS A MINIMUM OF 6' ABOVE GROUND.

SIZE	BORDER WIDTH	MARGIN WIDTH	LETTER SIZE					CORNER RADIUS
			LINE 1	LINE 2*	LINE 3	LINE 4	LINE 5,6 & 7*	
48"x60"	1 1/4"	3/4"	4E	4D	6E	4D		3"
42"x26"	OVERLAY						3D	1 1/2"
* CONDENSED SPACING IF NECESSARY								

SPECIAL ADVANCE NOTICE PUBLICITY SIGN



SIGN SP-3

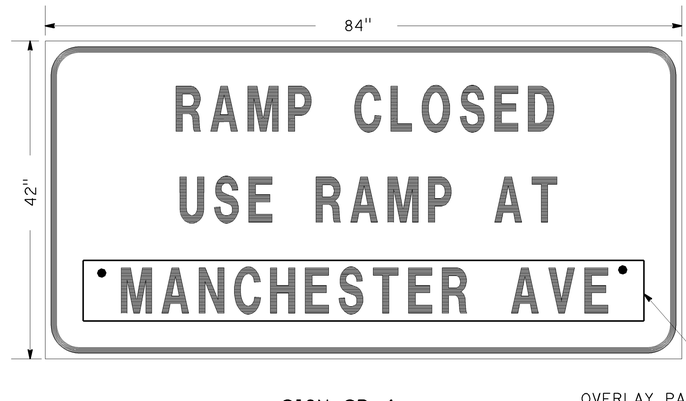


SIGN SP-5

NOTES: (SIGNS SP-3 & SP-5)

1. LETTERS - 6" SERIES D.
2. LETTERS AND BORDERS - BLACK ON RETROREFLECTORIZED ORANGE BACKGROUND.
3. BASE MATERIAL SHALL BE ALUMINUM (MINIMUM 0.06").
4. SIGNS SHALL BE MOUNTED WITH BOTTOMS OF SIGNS A MINIMUM OF 6' ABOVE GROUND.

SPECIAL SIGN FOR EXIT RAMP CLOSURES



SIGN SP-4

NOTES: (SIGN SP-4)

1. LETTERS - 6" SERIES C.
2. LETTERS AND BORDERS - BLACK ON RETROREFLECTORIZED WHITE BACKGROUND.
3. BASE MATERIAL SHALL BE ALUMINUM (MINIMUM 0.06").
4. SIGNS SHALL BE PLACED AT RAMP ENTRANCES IN ADDITION TO SIGNS POSTED IN ACCORDANCE WITH STANDARD PLAN T14.

SPECIAL SIGN FOR ENTRANCE RAMP CLOSURES

TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURES, DETOUR SIGNS AND MISCELLANEOUS DETAILS
SHEET 1 OF 2

NO SCALE

THD-28

REVISED BY: ALBERT K. YU
DATE REVISED:
CALCULATED-DESIGNED BY: JOCELYN CHIANG
CHECKED BY:
FUNCTIONAL SUPERVISOR: ALBERT YU

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM
Caltrans

LAST REVISION: DATE PLOTTED => 25-AUG-2010
00-00-00 TIME PLOTTED => 13:59

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150me028.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1863
PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	58	107

3/25/10
REGISTERED CIVIL ENGINEER DATE

SHANGJIA HORN
No. 51846
Exp 6/30/12
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

8/16/10
PLANS APPROVAL DATE

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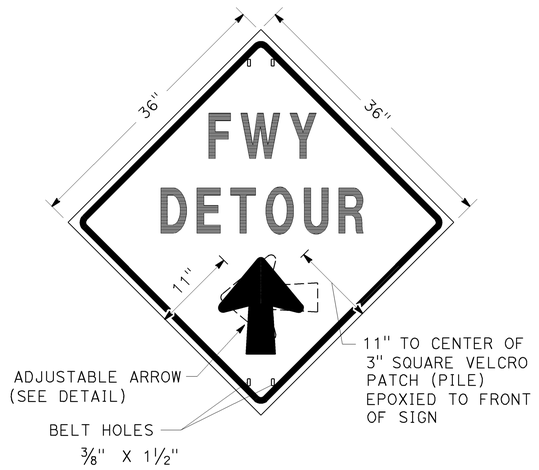


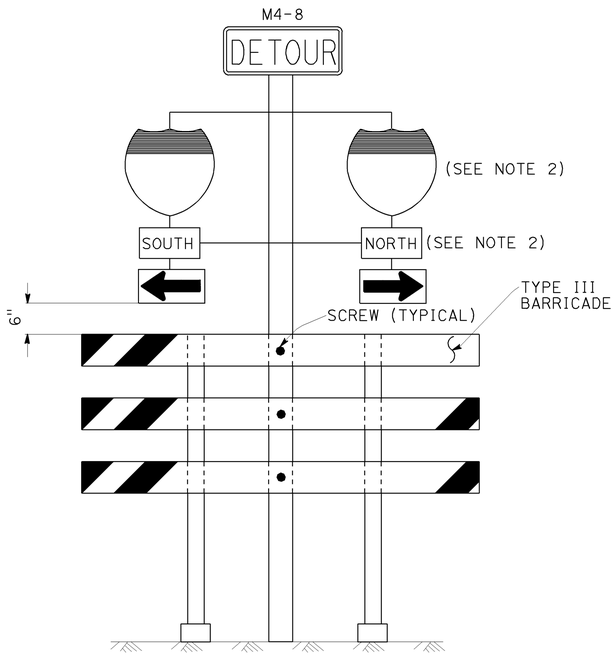
SIGN SP-2

NOTES: (SIGN SP-2)

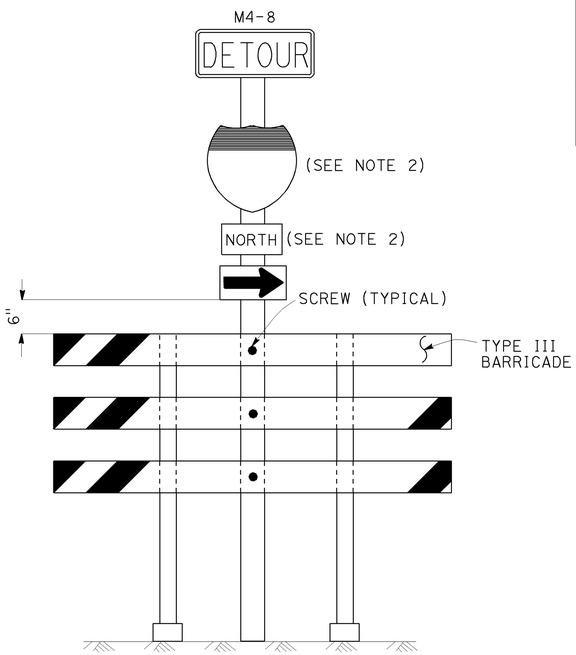
1. LETTERS -6" SERIES E.
2. LETTERS, BORDER AND ARROW - BLACK ON RETROREFLECTORIZED ORANGE BACKGROUND.
3. BASE MATERIAL FOR SIGNS AND ARROWS SHALL BE ALUMINUM (MINIMUM 0.06").
4. BELTS (LUGGAGE STRAPS) SHALL BE 1" WIDE BY 48" LONG, MADE OF COTTON OR POLYPROPYLENE WEB MATERIAL.
5. SIGNS SHALL BE MOUNTED WITH BOTTOMS OF SIGNS A MINIMUM OF 6' ABOVE GROUND EXCEPT AS OTHERWISE SHOWN ON OTHER TRAFFIC HANDLING DETAILS PLANS.

ABBREVIATION

(CA) CALIFORNIA CODE



SIGN SP-6 (SEE NOTE 1)

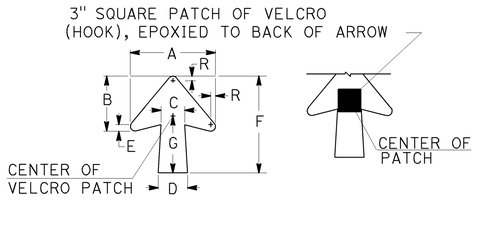


SIGN SP-7 (SEE NOTE 1)

NOTES: (SIGNS SP-6 & SP-7)

1. IN LIEU OF PLACING SIGNS ON TYPE III BARRICADES, SIGNS, INCLUDING POSTS, MAY BE PLACED INTO THE GROUND OR FASTENED ONTO ELECTROLIERS.
2. USE APPROPRIATE ROUTE SHIELD [G26-2(CA), G27-2(CA), G28-2(CA)] AND CARDINAL DIRECTION [NORTH (M3-1), SOUTH (M3-3), EAST (M3-2), WEST (M3-4)]

SPECIAL PORTABLE FREEWAY DETOUR SIGNS



DIMENSIONS							
A	B	C	D	E	F	G	R
11 1/4"	7 1/4"	3 1/8"	4"	7/8"	13"	7 1/2"	5/8"

SPECIAL PORTABLE FREEWAY DETOUR SIGN

ADJUSTABLE ARROW DETAIL

TRAFFIC HANDLING DETAILS

TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURES, DETOUR SIGNS AND MISCELLANEOUS DETAILS

SHEET 2 OF 2

NO SCALE

THD-29

CALCULATED-DESIGNED BY: ALBERT K. YU
CHECKED BY: JOCELYN CHIANG
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR: ALBERT YU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM
Caltrans

LAST REVISION DATE PLOTTED => 25-AUG-2010
TIME PLOTTED => 14:00
00-00-00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	59	107

3/25/10
REGISTERED CIVIL ENGINEER DATE

SHANGJIA HORN
No. 51846
Exp 6/30/12
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

8/16/10
PLANS APPROVAL DATE

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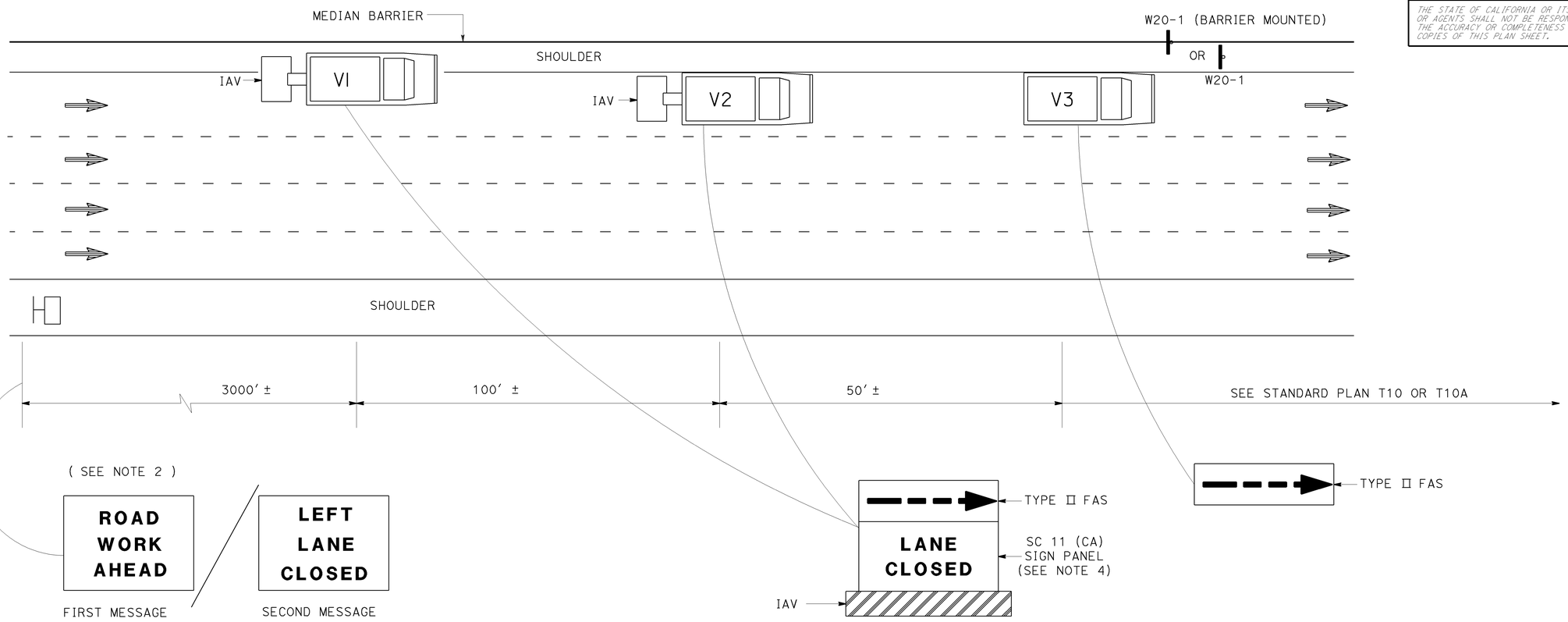

NOTES:

1. LANE CLOSURES SHALL NOT BE PLACED ON CREST VERTICAL CURVES OR ON HORIZONTAL CURVES.
2. PCMS SHALL BE ACTIVATED PRIOR TO TRAFFIC CONTROL ACTIVITIES ON THE LANE.
3. A MINIMUM SIGHT DISTANCE OF 1500′ SHALL BE PROVIDED IN ADVANCE OF PCMS.
4. VEHICLE-MOUNTED SIGN PANELS SHALL BE TYPE III OR IV RETROREFLECTORIZED SHEETING, BLACK ON WHITE OR BLACK ON ORANGE WITH 8" MINIMUM SERIES D LETTERS PER CALTRANS SIGN SPECIFICATIONS.

LEGEND

V1, V2	SHADOW VEHICLE
V3	WORK/APPLICATION VEHICLE
	PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
	DIRECTION OF TRAVEL
	CONSTRUCTION AREA SIGN

ABBREVIATIONS

FAS	FLASHING ARROW SIGN
IAV	IMPACT ATTENUATOR VEHICLE
CMS	CHANGEABLE MESSAGE SIGN
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
(CA)	CALIFORNIA CODE

TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM
FOR MEDIAN SHOULDERS LESS THAN 8 FEET
NO SCALE

THD-30

CALCULATED-DESIGNED BY: ALBERT K. YU
CHECKED BY: JOCELYN CHIANG
FUNCTIONAL SUPERVISOR: ALBERT YU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM
Caltrans

REVISED BY | DATE REVISED

LAST REVISION: DATE PLOTTED => 25-AUG-2010, TIME PLOTTED => 14:00, 00-00-00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	60	107

REGISTERED CIVIL ENGINEER 3/25/10 DATE

8/16/10 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SHANGJIA HORN No. 51846 Exp. 6/30/12 CIVIL STATE OF CALIFORNIA

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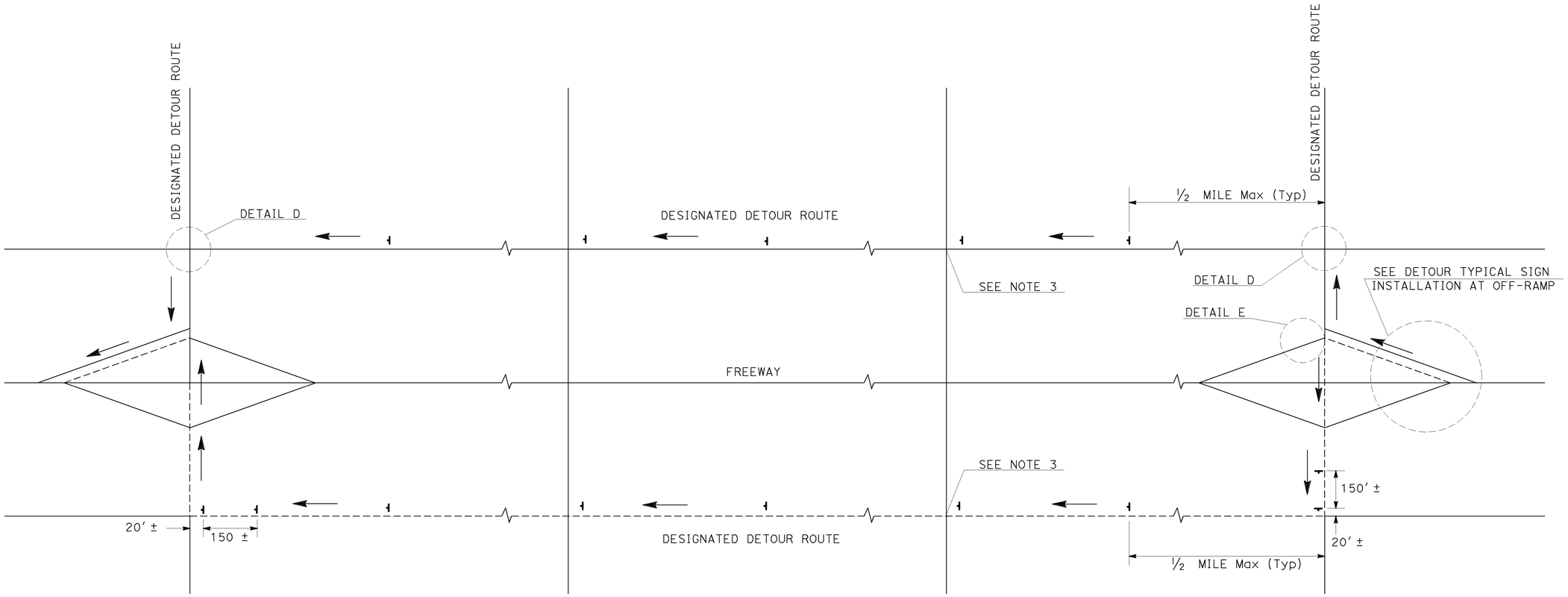


TYPICAL DETOUR SIGN INSTALLATION ALONG DESIGNATED DETOUR ROUTE

LEGEND

- SIGN SP-2
- AND/OR DESIGNATED DETOUR ROUTE
- DIRECTION OF TRAVEL

NOTES:

1. SP-2 SIGNS SHALL NOT BE INSTALLED ON BARRICADES EXCEPT AS OTHERWISE SHOWN.
2. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
3. SP-2 SIGNS SHALL BE POSTED AT SIGNALIZED INTERSECTIONS ALONG THE DESIGNATED DETOUR ROUTE OR ½ MILE MAXIMUM APART.

TRAFFIC HANDLING DETAILS

TRAFFIC CONTROL SYSTEM FOR DETOUR SIGN INSTALLATION ALONG DESIGNATED DETOUR ROUTE

SHEET 1 OF 2

NO SCALE

THD-31

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans DTM

FUNCTIONAL SUPERVISOR: ALBERT YU

CALCULATED-DESIGNED BY: ALBERT K. YU

CHECKED BY: JOCELYN CHIANG

REVISED BY

DATE REVISED

LAST REVISION 00-00-00

DATE PLOTTED => 25-AUG-2010

TIME PLOTTED => 14:00

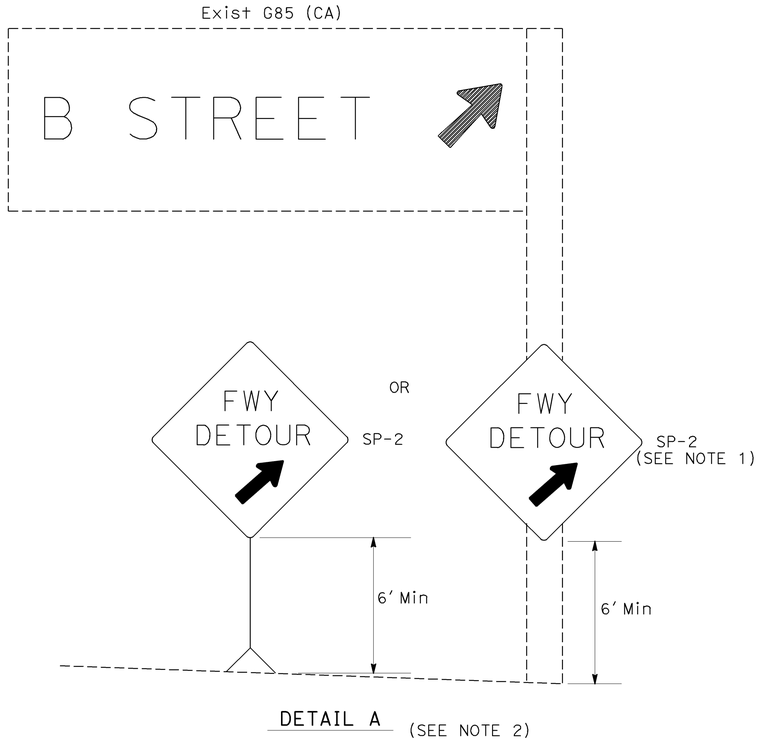
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	61	107

3/25/10
REGISTERED CIVIL ENGINEER DATE

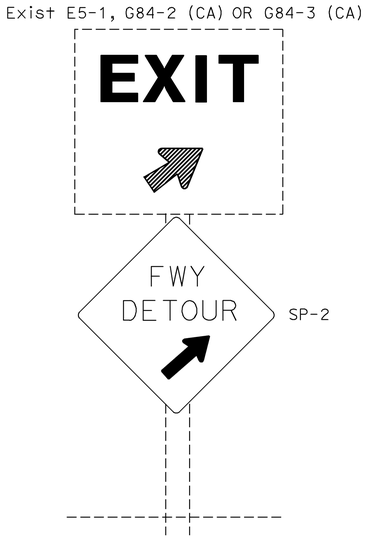
SHANGJIA HORN
No. 51846
Exp 6/30/12
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

8/16/10
PLANS APPROVAL DATE

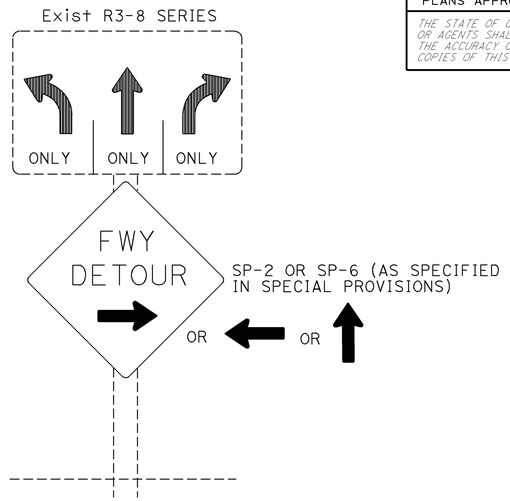
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



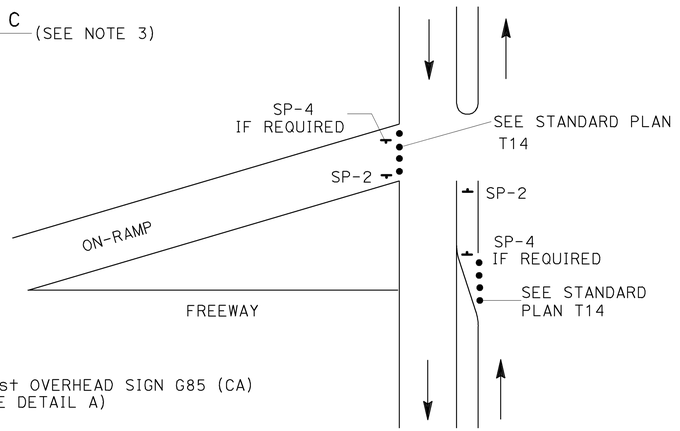
DETAIL A (SEE NOTE 2)



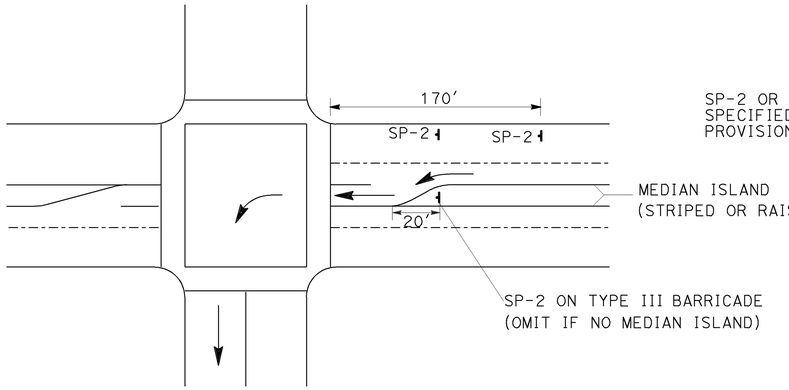
DETAIL B (SEE NOTE 2)



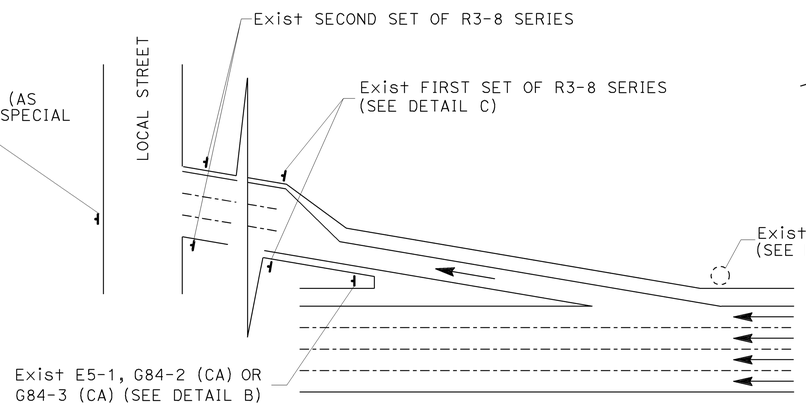
DETAIL C (SEE NOTE 3)



DETAIL E



DETAIL D



TYPICAL DETOUR SIGN INSTALLATION AT OFF-RAMP

NOTES:
1. SP-2 MAY BE STRAPPED ON EXISTING ELECTROLIER SIGNAL POSTS OR SIGN POSTS.
2. OMIT DETAIL A AND DETAIL B FOR FULL FREEWAY CLOSURES.
3. SEE TRAFFIC HANDLING DETAILS PLAN-TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURES, DETOUR SIGNS AND MISCELLANEOUS DETAILS SHEET 2 OF 2 FOR SP-6.

ABBREVIATIONS
(CA) CALIFORNIA CODE

LEGENDS
- CONE
- PORTABLE SIGN
- DIRECTION OF TRAVEL
- EXISTING OVERHEAD SIGN

TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM FOR DETOUR SIGN INSTALLATION ALONG DESIGNATED DETOUR ROUTE
SHEET 2 OF 2
NO SCALE

THD-32

REVISED BY | DATE REVISED
ALBERT K. YU | JOCELYN CHIANG
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: ALBERT YU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM
Caltrans

LAST REVISION => DATE PLOTTED => 25-AUG-2010
00-00-00 TIME PLOTTED => 14:00

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150me032.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1863 | PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	62	107

REGISTERED CIVIL ENGINEER — 7-29-10 DATE

8/16/10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — VINCENT NGUYEN No. 57797 Exp. 3/31/12 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:

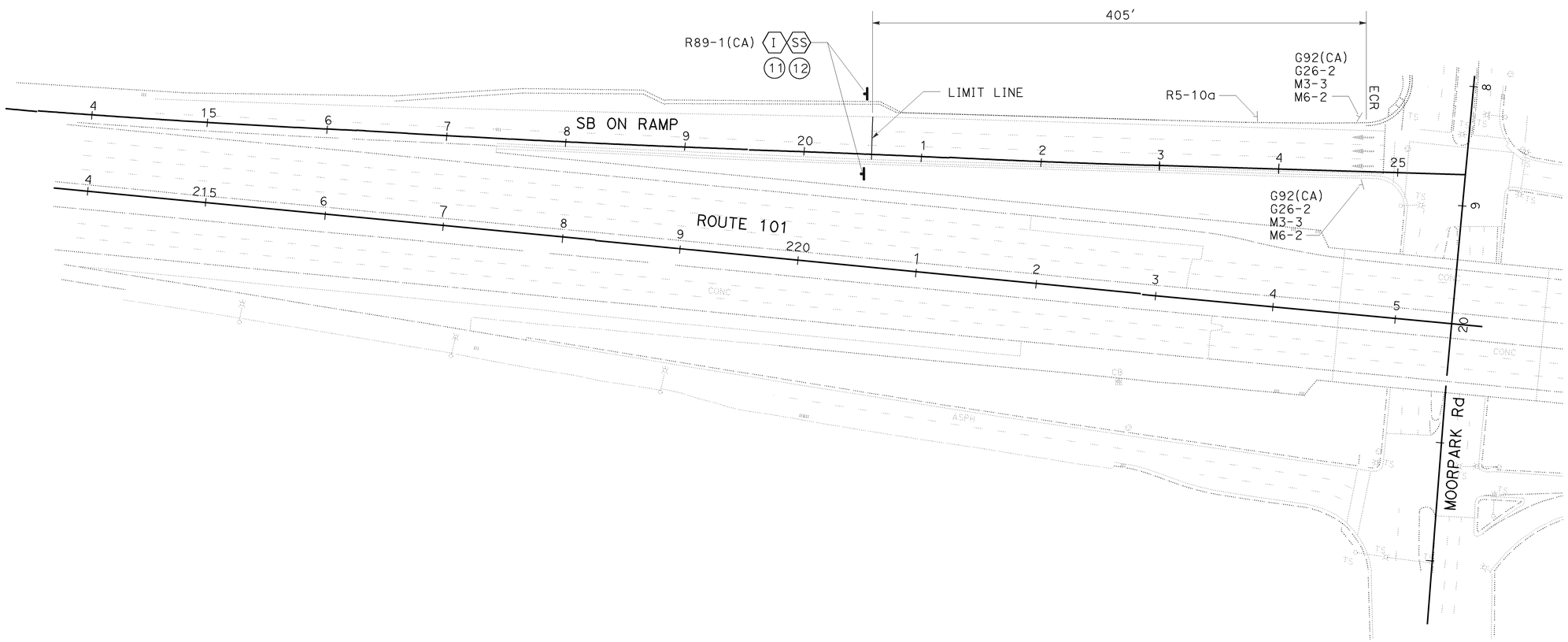
1. LIMIT LINE SHALL BE 12" WHITE THERMOPLASTIC.
2. SIGN CODE SHALL BE PER MUTCD SIGN CODE UNLESS OTHERWISE NOTED.
3. EXISTING ROADSIDE SIGNS SHALL REMAIN IN PLACE UNLESS OTHERWISE NOTED.

[5] LIMIT LINE SHALL BE ALIGNED WITH TYPE 1-A SIGNAL POLE

[6] REMOVE TYPE V ARROWS AND APPLY TYPE I(24') ARROWS

LEGEND

- (No) ROADSIDE SIGN IDENTIFICATION
- (I) INSTALL ROADSIDE SIGN
- (SS) STRAP AND SADDLE BRACKET METHOD
- (CA) CALIFORNIA SIGN CODE



PAVEMENT DELINEATION AND SIGN PLAN

SCALE 1" = 50'

THIS PLAN IS ACCURATE FOR PAVEMENT DELINEATION AND SIGNING WORK ONLY.

PD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: GRISH BIGLARIAN
CALCULATED-DESIGNED BY: VINCENT NGUYEN
CHECKED BY: GRISH BIGLARIAN
REVISED BY / DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 25-AUG-2010
TIME PLOTTED => 14:00

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150na001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1877
PROJECT NUMBER & PHASE 07000201601

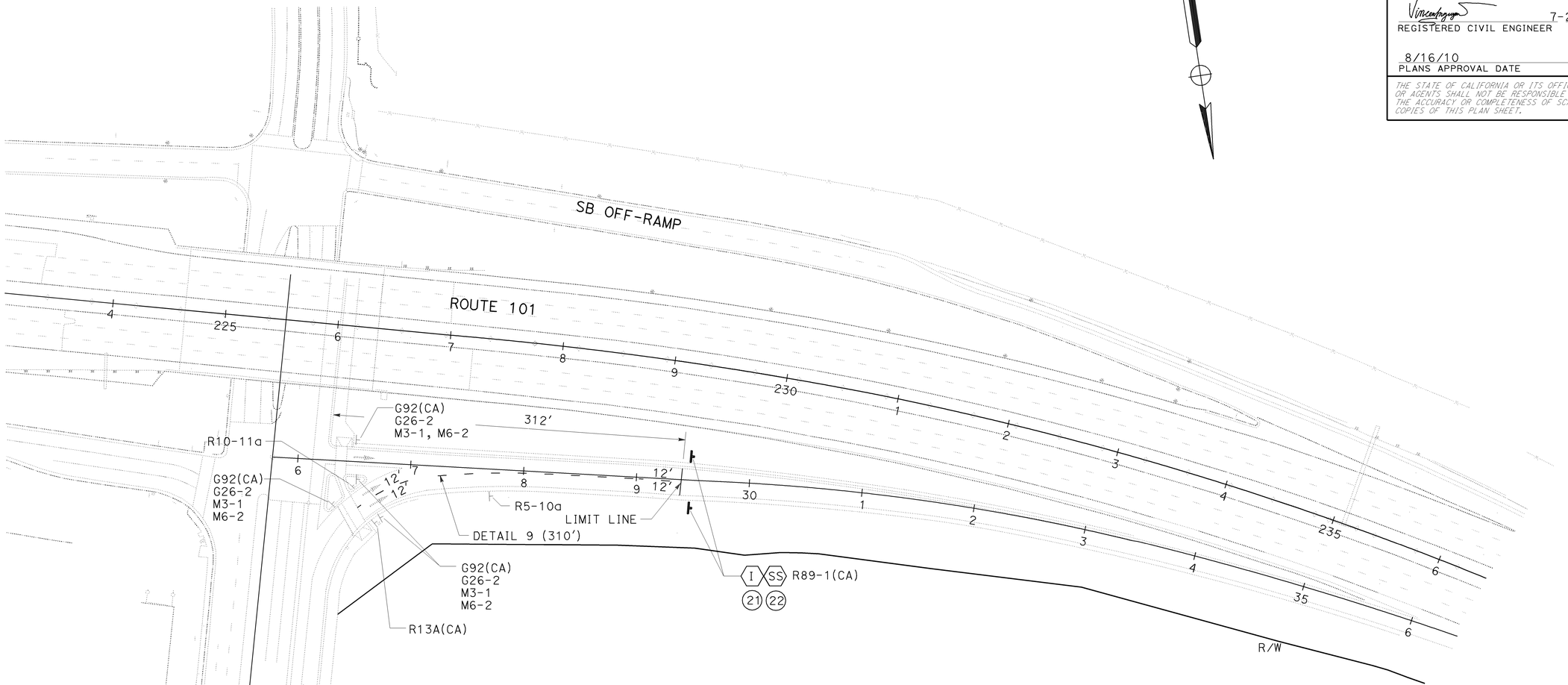
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	63	107

REGISTERED CIVIL ENGINEER — 7-29-10 DATE

8/16/10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — VINCENT NGUYEN No. 57797 Exp. 3/31/12 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 AND SIGN PLAN

SCALE 1"=50′

THIS PLAN IS ACCURATE FOR PAVEMENT DELINEATION AND SIGNING WORK ONLY.

PD-2

	REVISED BY	DATE REVISED
CALCULATED-DESIGNED BY	VINCENT NGUYEN	
CHECKED BY	GRISH BIGLARIAN	
FUNCTIONAL SUPERVISOR	GRISH BIGLARIAN	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION — DATE PLOTTED => 25-AUG-2010 TIME PLOTTED => 14:00
00-00-00

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 DGN FILE => 725150na002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1877 | PROJECT NUMBER & PHASE 07000201601

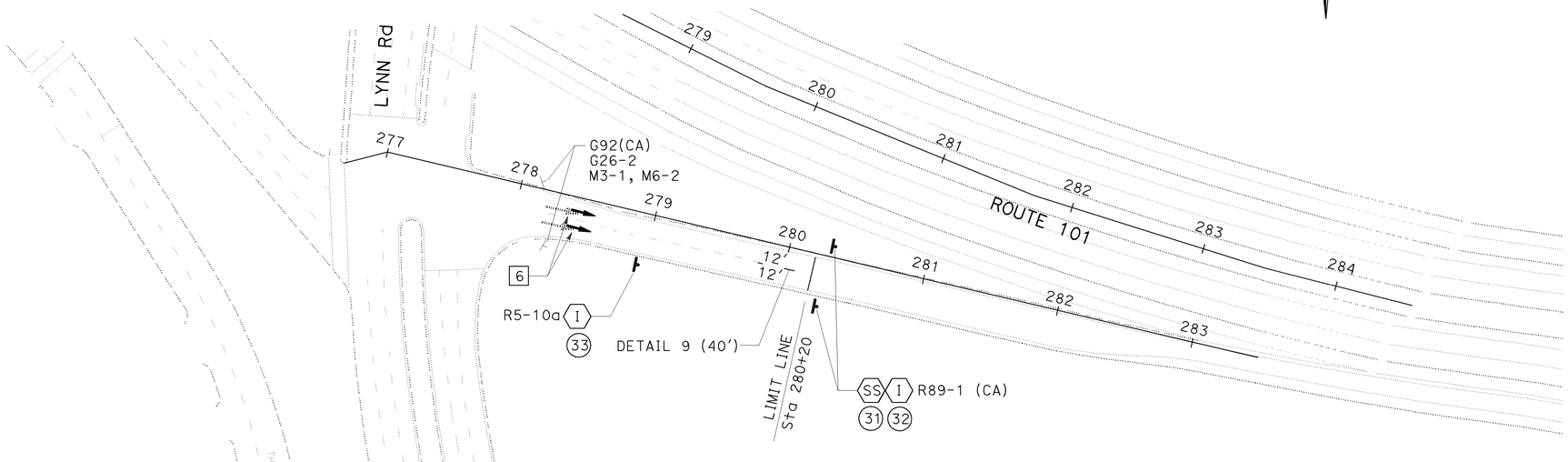
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	64	107

REGISTERED CIVIL ENGINEER — 7-29-10 DATE

8/16/10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — VINCENT NGUYEN No. 57797 Exp. 3/31/12 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 AND SIGN PLAN

SCALE 1"=50'

PD-3

THIS PLAN IS ACCURATE FOR PAVEMENT DELINEATION AND SIGNING WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: GRISH BIGLARIAN
CALCULATED-DESIGNED BY: VINCENT NGUYEN
CHECKED BY: GRISH BIGLARIAN
QUALITY CHECK BY:
REVISED BY:
DATE REVISED:

LAST REVISION — DATE PLOTTED => 25-AUG-2010 — TIME PLOTTED => 14:00 — 00-00-00

BORDER LAST REVISED 7/2/2010

USERNAME => s125624
DGN FILE => 725150na003.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1877

PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	65	107

REGISTERED CIVIL ENGINEER — 7-29-10 DATE

8/16/10
PLANS APPROVAL DATE

VINCENT NGUYEN
No. 57797
Exp. 3/31/12
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.

LIMIT LINE 5

I SS 42
R89(CA)

W1-6
OM1-3

R5-10a

R5-1
R5-1A

R4-7
OM1-3

G92(CA)
G26-2
M3-1
M6-2

NB OFF RAMP

NB ON RAMP

WENDY Dr

ROUTE 101

G92(CA)
G26-2
M3-1
M6-2

DIKE

R5-10a

G92(CA)
G26-2
M3-1
M6-2

W54(CA)

NB ON RAMP

GRANDE VISTA Dr

I SS 41
R89(CA)

LIMIT LINE 5

PAVEMENT DELINEATION AND SIGN PLAN

SCALE 1"=50'

PD-4

REVISED BY	DATE REVISED
VINCENT NGUYEN	GRISH BIGLARIAN

CALCULATED-DESIGNED BY

CHECKED BY

FUNCTIONAL SUPERVISOR: GRISH BIGLARIAN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® **TRAFFIC DESIGN**

LAST REVISION DATE PLOTTED => 25-AUG-2010
00-00-00 TIME PLOTTED => 14:00

BORDER LAST REVISED 7/2/2010

USERNAME => s125624
DGN FILE => 725150na004.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1877

PROJECT NUMBER & PHASE 07000201601

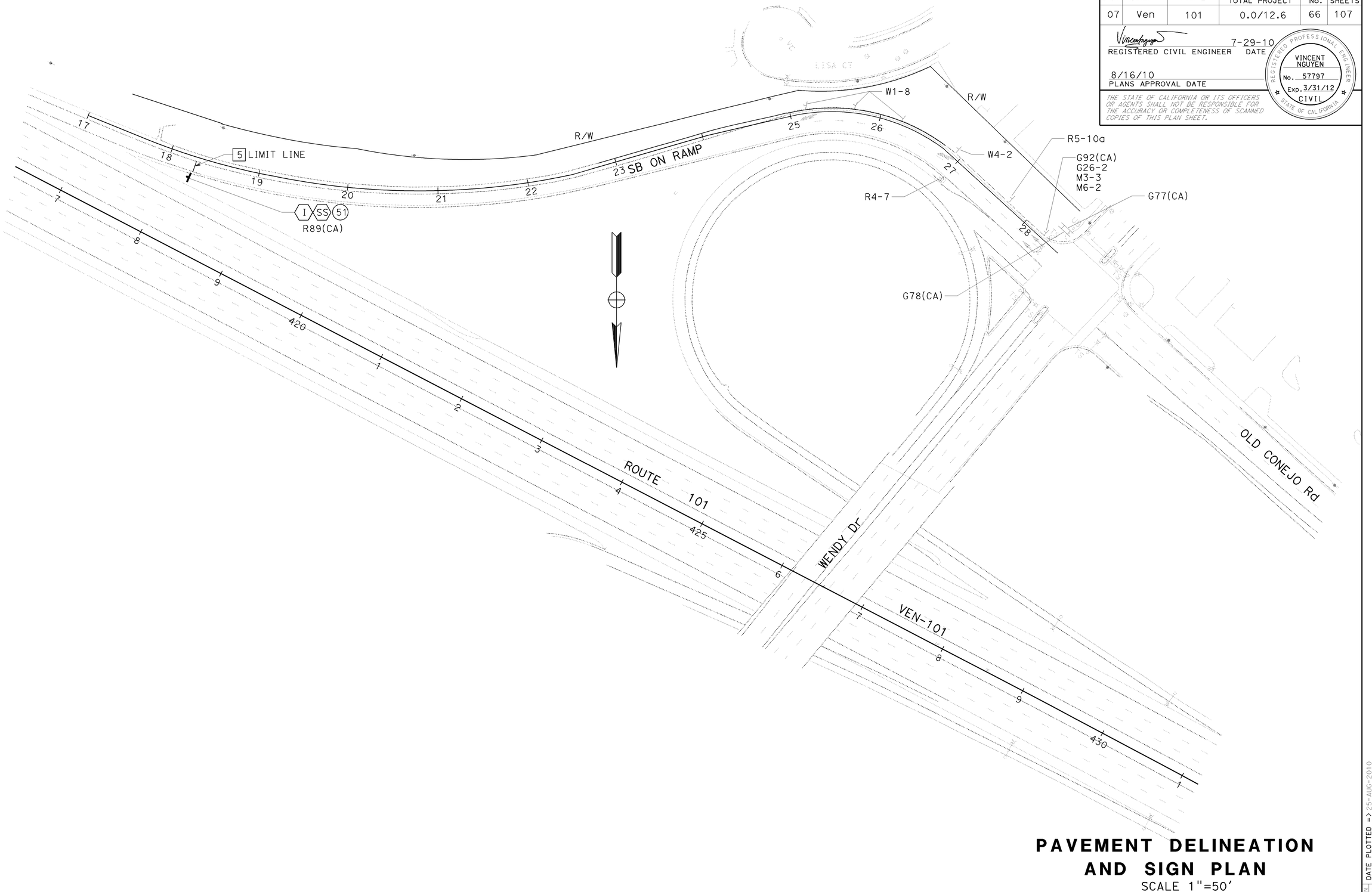
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	66	107

REGISTERED CIVIL ENGINEER 7-29-10 DATE

8/16/10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
VINCENT NGUYEN
No. 57797
Exp. 3/31/12
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 AND SIGN PLAN

SCALE 1"=50'

THIS PLAN IS ACCURATE FOR PAVEMENT DELINEATION AND SIGNING WORK ONLY.

PD-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: GRISH BIGLARIAN
CALCULATED-DESIGNED BY: VINCENT NGUYEN
CHECKED BY: GRISH BIGLARIAN
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 25-AUG-2010
TIME PLOTTED => 14:00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	67	107

7/27/10
REGISTERED CIVIL ENGINEER DATE

8/16/10
PLANS APPROVAL DATE

ANDY C. LIAO No. 57416 Exp. 12/31/11 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.

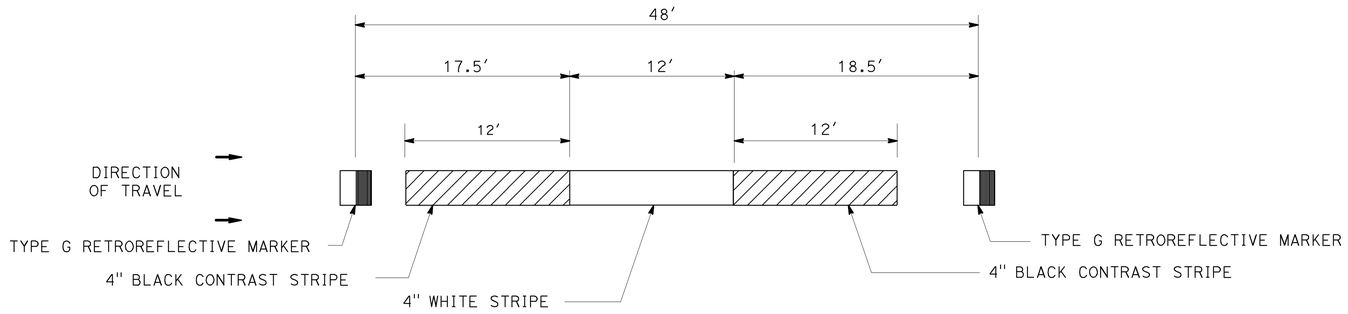
NOTE: APPLY 4" WIDE WHITE THERMOPLASTIC TRAFFIC STRIPE ON TOP OF TYPE A NON-REFLECTIVE MARKERS.

LEGEND:

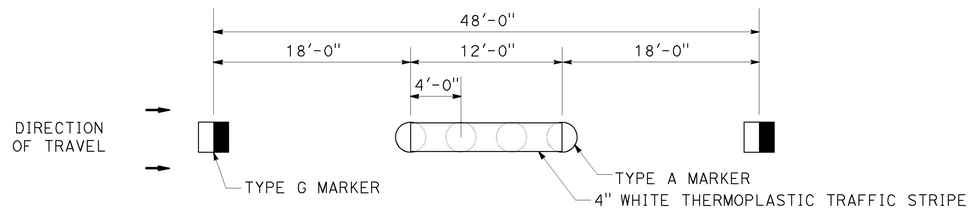
- DIRECTION OF TRAVEL
- PAINTED WHITE STRIPE
- PAINTED BLACK CONTRAST STRIPE
- 2-TYPE G ONE-WAY CLEAR RETROREFLECTIVE MARKERS

ABBREVIATION:

Mod - MODIFIED



TEMPORARY LANE LINE PAVEMENT DELINEATION



DETAIL 13 (MODIFIED)

PAVEMENT DELINEATION DETAILS

PDD-1

ANDY LIAO — CALCULATED-DESIGNED BY
CASIMIRO BAUTISTA — CHECKED BY
REVISED BY — DATE REVISED
FUNCTIONAL SUPERVISOR: M. OJI KALU

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
OFFICE OF DESIGN B

LAST REVISION 00-00-00 | DATE PLOTTED => 25-AUG-2010 | TIME PLOTTED => 14:00

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150nb001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1806 | PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	68	107

REGISTERED CIVIL ENGINEER — DATE 7/27/10

PLANS APPROVAL DATE 8/16/10

ANDY C. LIAO No. 57416 Exp. 12/31/11 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.

MAINLINE PAVEMENT DELINEATION QUANTITIES

LOCATION		DIRECTION		THERMOPLASTIC TRAFFIC STRIPE								PAVEMENT MARKER			THERMOPLASTIC PAVEMENT MARKING (12" YELLOW DIAGONAL)	REMOVE PAVEMENT MARKER
				4" (BROKEN 17-7)	4" (BROKEN 36-12)	4" SOLID WHITE	4" SOLID YELLOW	8" SOLID WHITE	8" SOLID WHITE	8" SOLID WHITE	8" (BROKEN 12-3)	(NON-REFLECTIVE)	(RETROREFLECTIVE)			
				DETAIL 8	DETAIL 13 (Mod)	DETAIL 27B	DETAIL 25A	DETAIL 36	DETAIL 36A	DETAIL 38	DETAIL 37	TYPE A	TYPE G	TYPE H		
FROM	TO	NB	SB	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	SQFT	EA
PM 0.00 LOS ANGELES/VENTURA COUNTY LINE	PM 0.70 Rte 23/101 SEPARATION Br No. 52-0268E	X	X	-	24,440	8,150	8,150	-	-	-	5,070	2,050	520	350	125	_
PM 0.70 Rte 23/101 SEPARATION Br No. 52-0268E	PM 1.62 HAMPSHIRE Rd UC Br No. 52-0273	X	X	-	32,100	10,700	10,700	-	-	-	2,150	2,680	670	450	450	_
PM 1.62 HAMPSHIRE Rd UC Br No. 52-0273	PM 3.03 RANCHO Rd UC Br No. 52-0314	X	X	-	48,940	16,320	16,320	-	-	-	2,040	4,090	1,030	680	675	_
PM 3.03 RANCHO Rd UC Br No. 52-0314	PM 3.11 Rte 23/101 SEPARATION Br No. 52-0317F	X	X	-	16,520	5,510	5,510	-	-	-	-	1,390	350	240	-	1,980
Rte 101 CONNECTORS	ROUTE 23	X	X	470	14,750	-	-	1,820	660	-	-	1,240	310	-	-	1,550
PM 3.11 Rte 23/101 SEPARATION Br No. 52-0317F	PM 4.06 MOORPARK Rd UC Br No. 52-0237	X	X	-	16,330	6,530	6,530	-	-	-	1,150	1,370	350	280	-	2,000
PM 4.06 MOORPARK Rd UC Br No. 52-0237	PM 5.05 LYNN Rd OC Br No. 52-0325	X	X	-	22,870	11,440	11,440	-	-	-	3,150	1,910	480	480	-	2,870
PM 5.05 LYNN Rd OC Br No. 52-0325	PM 6.19 VENTU PARK Rd OC Br No. 52-0280	X	X	-	26,490	13,250	13,250	-	-	-	3,980	2,210	560	560	-	3,330
PM 6.19 VENTU PARK Rd OC Br No. 52-0280	PM 7.02 BORCHARD Rd OC Br No. 52-0247	X	X	-	19,430	9,720	9,720	-	-	-	2,190	1,620	410	410	-	2,440
PM 7.02 BORCHARD Rd OC Br No. 52-0247	PM 7.89 WENDY Dr OC Br No. 52-0266	X	X	-	20,060	10,030	10,030	-	-	-	1,510	1,680	420	420	-	2,520
PM 7.89 WENDY Dr OC Br No. 52-0266	PM 9.00 CONEJO SCALES	X	X	-	27,530	12,960	12,960	-	-	3,240	8,100	2,300	580	550	-	3,430
PM 11.43 ARROYO CONEJO CREEK Br No. 52-0008	PM 12.30 PLEASANT VALLEY Rd OC Br No. 52-0204	X	X	-	20,130	10,070	10,070	-	-	-	-	1,690	430	430	-	2,550
PM 12.30 PLEASANT VALLEY Rd OC Br No. 52-0204	PM 12.60	X	X	-	7,020	3,510	3,510	-	-	-	-	590	150	150	-	890
SUBTOTALS				470	296,610	118,190	118,190	1,820	660	3,240	29,340	24,820	6,260	5,000	1,250	23,560
PDQ-1 SUBTOTAL				470	296,610	236,380		5,720			29,340	24,820	11,260		1,250	23,560

CALCULATED-DESIGNED BY: ANDY LIAO
CHECKED BY: QUANG V THAI
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR: M. OJI KALU

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
OFFICE OF DESIGN B

PAVEMENT DELINEATION QUANTITIES

PDQ-1

LAST REVISION DATE PLOTTED => 25-AUG-2010
TIME PLOTTED => 14:00
00-00-00

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150nc001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1806
PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	69	107

REGISTERED CIVIL ENGINEER — DATE 7/27/10

PLANS APPROVAL DATE 8/16/10

REGISTERED PROFESSIONAL ENGINEER — ANDY C. LIAO — No. 57416 — Exp. 12/31/11 — 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.

RAMP PAVEMENT DELINEATION QUANTITIES

LOCATION		THERMOPLASTIC TRAFFIC STRIPE									PAVEMENT MARKER (RETROREFLECTIVE)		THERMOPLASTIC PAVEMENT MARKING		
		4" (BROKEN 17-7)		4" SOLID WHITE	4" SOLID YELLOW	8" SOLID WHITE	8" SOLID WHITE	8" SOLID WHITE	8" SOLID WHITE	8" SOLID WHITE			CROSSWALKS AND LIMIT LINES	WORDS AND SYMBOLS	ARROWS
		DETAIL 8	DETAIL 9	DETAIL 27B	DETAIL 25A	DETAIL 36	DETAIL 36A	DETAIL 36B	DETAIL 38	DETAIL 38A	TYPE G	TYPE H			
PM	DESCRIPTION	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	SQFT	SQFT	SQFT
0.50	N 101 OFFRAMP TO WESTLAKE Rd		1,270	1,060	1,060	1,100			350	180	88	45	340		256
0.77	N 101 ONRAMP FROM NB WESTLAKE Rd		1,160	1,490	1,100			680			54	46	220		176
0.94	N 101 ONRAMP FROM SB WESTLAKE Rd		550	1,540	1,270		360				27	53	262		62
0.92	S 101 OFFRAMP TO WESTLAKE Rd		1,760	1,210	1,190	970			420	200	96	50	170		303
0.63	S 101 ONRAMP FROM SB WESTLAKE Rd		990	1,650	1,100		650				49	46	120		176
0.46	S 101 ONRAMP FROM NB WESTLAKE Rd			1,430	750		220				10	32	264		25
1.53	N 101 OFFRAMP TO HAMPSHIRE Rd		160	1,210	610	820			440	290	58	26	70		234
1.78	N 101 ONRAMP FROM HAMPSHIRE Rd		250	1,100	660		400		680	60	52	28	220		62
1.76	S 101 OFFRAMP TO HAMPSHIRE Rd		470	710	660	690				320	39	28	110		413
1.49	S 101 ONRAMP FROM HAMPSHIRE Rd		160	880	600		600			200	29	25	270		139
2.86	N 101 OFFRAMP TO RANCHO Rd		290	1,030	940	600					32	40	266		261
3.17	N 101 ONRAMP FROM RANCHO Rd	290	240	840	690		190				13	29	184		62
3.27	S 101 OFFRAMP TO RANCHO Rd		200	1,100	1,100	770					38	46	272	44	234
3.06	S 101 ONRAMP FROM RANCHO Rd	300	140	960	740		220				13	31	140		50
3.93	N 101 OFFRAMP TO N MOORPARK Rd		410	810	800	2,000				250	93	34	280	63	318
4.28	N 101 ONRAMP FROM N MOORPARK Rd	170		1,270	1,080		180			130	8	45	70		93
4.23	S 101 OFFRAMP TO S MOORPARK Rd		810	930	930	640			300	130	57	39	80		324
3.92	S 101 ONRAMP FROM S MOORPARK Rd		1,160	1,270	830			550		130	48	35	150		93
4.91	N 101 OFFRAMP TO LYNN Rd		310	800	750	770			320	440	54	32	730	63	413
5.17	N 101 ONRAMP FROM LYNN Rd	140	70	1,020	550		500			140	23	23	140		62
5.27	S 101 OFFRAMP TO LYNN Rd		760	1,210	1,210	730			410	80	65	51	650	126	181
5.01	S 101 ONRAMP FROM SB LYNN Rd	380		1,490	1,020		320				14	43	80		31
4.84	S 101 ONRAMP FROM NB LYNN Rd	140		1,600	1,320		280				12	55	30		31
	SUBTOTALS	1,420	11,160	26,610	20,960	9,090	3,920	1,230	2,920	2,550	972	882	5,118	296	3,999
	SHEET PDQ-2 SUBTOTAL	12,580		47,570		19,710					1,854		9,413		

PAVEMENT DELINEATION QUANTITIES

PDQ-2

REVISED BY | DATE REVISED

ANDY LIAO | QUANG V THAI

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: M. OJI KALU

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — OFFICE OF DESIGN B

LAST REVISION | DATE PLOTTED => 25-AUG-2010 | 00-00-00 | TIME PLOTTED => 14:00

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150nc002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1806 | PROJECT NUMBER & PHASE 07000201601

PAVEMENT DELINEATION QUANTITIES

LOCATION		THERMOPLASTIC TRAFFIC STRIPE											PAVEMENT MARKER			THERMOPLASTIC PAVEMENT MARKING			REMOVE PAVEMENT MARKER	REMOVE THERMOPLASTIC PAVEMENT MARKING
		4" (BROKEN 17-7)		4" (BROKEN 36-12)	4" SOLID WHITE	4" SOLID YELLOW	8" SOLID WHITE	8" SOLID WHITE	8" SOLID WHITE	8" SOLID WHITE	8" SOLID WHITE	8" (BROKEN 12-3)	(NON-REFLECTIVE)	(RETROREFLECTIVE)		CROSSWALKS AND LIMIT LINES	WORDS AND SYMBOLS	ARROWS		
		Det 8	Det 9	Det 13 (Mod)	Det 27B	Det 25A	Det 36	Det 36A	Det 36B	Det 38	Det 38A	Det 37	TYPE A	TYPE G	TYPE H					
PM	DESCRIPTION	LF	LF		LF	LF	LF	LF	LF	LF	LF		EA	EA	EA	SQFT	SQFT	SQFT	EA	SQFT
5.99	N 101 OFFRAMP TO VENTU PARK Rd		470		1,080	1,080	770			360	150			58	45	284	126	234		
6.31	N 101 ONRAMP FROM SB VENTU PARK Rd	160			1,380	1,100		280						12	46			31		
6.15	N 101 ONRAMP FROM NB VENTU PARK Rd	330			1,100	880		390						17	37	120		31		
6.38	S 101 OFFRAMP TO VENTU PARK Rd		470		970	970	990			330	60			66	41	480	126	150		
6.22	S 101 ONRAMP FROM SB VENTU PARK Rd	360			940	650		360						15	28	140		31		
6.06	S 101 ONRAMP FROM NB VENTU PARK Rd	150			1,160	860		280						12	36			31		
6.74	N 101 OFFRAMP TO NB BORCHARD Rd		490		1,620	1,620	620				280			37	68	112	126	264		
7.10	N 101 OFFRAMP TO SB BORCHARD Rd		690		990	1,070	710			400	50			62	45	210	126	174		
7.23	N 101 ONRAMP FROM BORCHARD Rd	370	580		1,540	1,130		390			50			30	48	210		62		
7.04	S 101 OFFRAMP TO BORCHARD Rd		640		1,570	1,570	840			360	660			64	66	530	87	401		
6.89	S 101 ONRAMP FROM SB BORCHARD Rd	300	910		1,760	1,320		390						36	55	310		50		
6.89	S 101 ONRAMP FROM NB BORCHARD Rd	330	390		1,320	940		460						29	40	40		50		
7.66	N 101 OFFRAMP TO N WENDY Dr		460		1,080	1,080	800			330	310			58	45	480	63	294		
7.86	N 101 ONRAMP FROM NB N WENDY Dr	290			970	550		440						19	23	120		31		
8.07	N 101 ONRAMP FROM SB N WENDY Dr	280			1,460	1,150		330						14	48	294	21	25		
7.92	S 101 OFFRAMP TO NB N WENDY Dr				1,160	1,070	760			330	170			46	45	515	63	125		
7.70	S 101 ONRAMP FROM N WENDY Dr	280	310		1,540	1,160		370			50			23	49	90		146		
8.98	N 101 OFFRAMP TO N TRUCK STOP		220		740	740	500			250				37	31	500				
9.16	N 101 ONRAMP FROM N TRUCK STOP	330			470	220		290						13	10	60		50		
9.19	S 101 OFFRAMP FROM S TRUCK STOP		70		490	490	620							28	21					
9.06	S 101 ONRAMP TO S TRUCK STOP	100			330	220		190						8	10					
10.77	N 101 OFFRAMP TO CAMARILLO SPRINGS Rd				520	520	440			210				28	22					
10.81	N 101 ONRAMP FROM CAMARILLO SPRINGS Rd	130			590	540		40						2	23			31		
10.89	S 101 OFFRAMP FROM CAMARILLO SPRINGS Rd				610	610	910							38	26	20	75			
10.83	S 101 ONRAMP TO CAMARILLO SPRINGS Rd	300			550	370		220						10	16			31		
12.21	N 101 OFFRAMP TO PLEASANT VALLEY Rd		400		1,100	1,100	580				140			34	46	50	63	309		
12.28	N 101 ONRAMP FROM NB PLEASANT VALLEY Rd	170			880	580		200						9	25	466		31		
12.40	N 101 ONRAMP FROM SB PLEASANT VALLEY Rd	310	880		1,270	880		390						36	37			62		
12.40	S 101 OFFRAMP TO PLEASANT VALLEY Rd				1,020	1,020	640				180			27	43	150	63	111		
12.33	S 101 ONRAMP FROM SB PLEASANT VALLEY Rd	280			1,270	970		170						8	41			25		
12.23	S 101 ONRAMP FROM NB PLEASANT VALLEY Rd	330			920	510		390						17	22			25		
	SUBTOTALS	4,800	6,980		32,400	26,970	9,180	5,580		2,570	2,100			893	1,138	5,181	939	2,805		
	SHEET PDQ-3 SUBTOTAL	11,780		-	59,370			19,430				-	-	2,031		8,925				-
	SHEET PDQ-2 SUBTOTAL	12,580		-	47,570			19,710				-	-	1,854		9,413				-
	SHEET PDQ-1 SUBTOTAL	470		296,160	236,380			5,720				29,340	24,820	11,260		1,250			23,560	-
	SHEET PDQ-4 SUBTOTAL	350		-	-			-				-	-	9		182			-	186
	GRAND TOTAL	25,180		296,160	343,320			44,860				29,340	24,820	15,154		19,770			23,560	186

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	70	107

REGISTERED CIVIL ENGINEER — DATE 7/27/10

PLANS APPROVAL DATE 8/16/10

REGISTERED PROFESSIONAL ENGINEER — ANDY C. LIAO No. 57416 Exp. 12/31/11 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:

CALCULATED-DESIGNED BY: ANDY LIAO

CHECKED BY: QUANG V THAI

FUNCTIONAL SUPERVISOR: M. OJI KALU

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® OFFICE OF DESIGN B

LAST REVISION | DATE PLOTTED => 25-AUG-2010 | TIME PLOTTED => 14:00 | 00-00-00

PAVEMENT DELINEATION QUANTITIES
PDQ-3

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	71	107

Vincent Nguyen 7-29-10
REGISTERED CIVIL ENGINEER DATE

8/16/10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — VINCENT NGUYEN No. 57797 Exp. 3/31/12 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:

1. EXACT LOCATION AND POSITION OF ROADSIDE SIGNS WILL BE DETERMINED BY THE ENGINEER.
2. SIGNS ARE MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, SEP 2006 EDITION) CODED EXCEPT AS NOTED.
3. (CA) DENOTES CALIFORNIA CODED SIGNS.
4. FOR SIGN SPECIFICATIONS SEE CALTRANS WEBSITE: http://www.dot.ca.gov/hq/traffops/signtech/signdel/specs.htm

LEGEND

L = LENGTH OF SIGN
D = DEPTH OF SIGN
B = BLACK ; Y = YELLOW ; R = RED ; W = WHITE ; G = GREEN ; BLU = BLUE ; BRW = BROWN

PAVEMENT DELINEATION QUANTITIES

SHEET No.	THERMO-PLASTIC TRAFFIC STRIPE	THERMOPLASTIC PAVEMENT MARKING		PAVEMENT MARKER (RETRO-REFLECTIVE)	REMOVE THERMOPLASTIC PAVEMENT MARKING
	4" WHITE (BROKEN 17-7) DET 9	LIMIT LINE	ARROW	TYPE G	
	LF	SQFT	SQFT	EA	SQFT
PD-1		36			36
PD-2	310	24		7	24
PD-3	40	24	62	2	90
PD-4		24			24
PD-5		12			12
SUBTOTALS	350	120	62	9	186
SHEET PDQ-4 SUBTOTAL	350	182		9	186

ROADSIDE SIGN QUANTITIES

SHEET No.	SIGN No.	SIGN CODE	PANEL SIZE (L X D)	PANEL SIZE	POST DATA				SIGN FACING MATERIAL							FURNISH SIGNLE SHEET ALUMINUM SIGN	ROADSIDE SIGN (WOOD)	INSTALL SIGN (STRAP & SADDLE BRACKET METHOD)	REMARKS
									SINGLE FACED	BACKGROUND SHEETING COLOR	BACKGROUND RETRO-REFLECTIVE ASTM TYPE	LEGEND SHEETING COLOR	LEGEND RETRO-REFLECTIVE ASTM TYPE	NON-REFLECTIVE	GRAFFITI FILM PREMIUM	UNFRAMED ALUMINUM 0.063"	ONE POST		
					TYPE	H	E	TOTAL LENGTH											
			(in X in)	SQFT		LF	LF	LF								SQFT	EA	EA	
PD-1	11	R89-1(CA)	24 X 10	1.7					X	WHITE	III	BLACK		X	X	1.7		1	1 CAR PER GREEN EACH LANE
	12	R89-1(CA)	24 X 10	1.7					X	WHITE	III	BLACK		X	X	1.7		1	1 CAR PER GREEN EACH LANE
PD-2	21	R89-1(CA)	24 X 10	1.7					X	WHITE	III	BLACK		X	X	1.7		1	1 CAR PER GREEN EACH LANE
	22	R89-1(CA)	24 X 10	1.7					X	WHITE	III	BLACK		X	X	1.7		1	1 CAR PER GREEN EACH LANE
PD-3	31	R89-1(CA)	24 X 10	1.7					X	WHITE	III	BLACK		X	X	1.7		1	1 CAR PER GREEN EACH LANE
	32	R89-1(CA)	24 X 10	1.7					X	WHITE	III	BLACK		X	X	1.7		1	1 CAR PER GREEN EACH LANE
	33	R5-10a	30 X 36	7.5	4" X 6"	8.5	4.5	14.5	X	WHITE	III	BLACK		X	X	7.5	1		PEDESTRIANS, BICYCLES, MOTOR-DRIVEN CYCLES PROHIBITED
PD-4	41	R89(CA)	24 X 6	1					X	WHITE	III	BLACK		X	X	1		1	1 CAR PER GREEN
	42	R89(CA)	24 X 6	1					X	WHITE	III	BLACK		X	X	1		1	1 CAR PER GREEN
PD-5	51	R89(CA)	24 X 6	1					X	WHITE	III	BLACK		X	X	1		1	1 CAR PER GREEN
TOTAL																20.7	1	9	

PAVEMENT DELINEATION AND SIGN QUANTITIES
PDQ-4

CALCULATED-DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED
EUGENE BRAVO	VINCENT NGUYEN		

FUNCTIONAL SUPERVISOR: GRISH BIGLARIAN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION 00-00-00 | DATE PLOTTED => 25-AUG-2010 | TIME PLOTTED => 14:00

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150nc004.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1877 | PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	72	107

REGISTERED CIVIL ENGINEER — 7-29-10 DATE

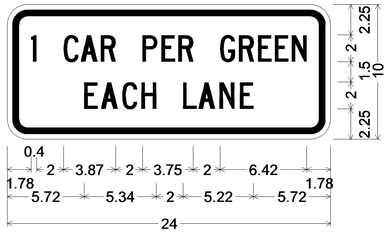
8/16/10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — VINCENT NGUYEN No. 57797 Exp. 3/31/12 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.

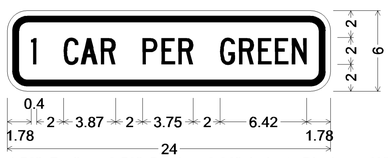
2.25" Radius, 0.88" Border, 0.63" Indent, Black on White;
[PEDESTRIANS] B; [BICYCLES] B;
[MOTOR-DRIVEN] B 66% spacing;
[CYCLES] B; [PROHIBITED] B;

SIGN R5-10a



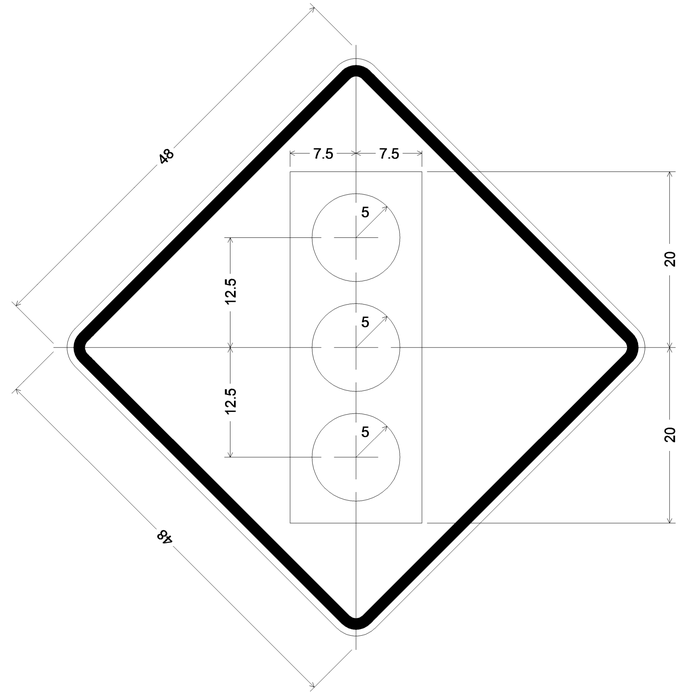
1.50" Radius, 0.50" Border, 0.38" Indent, Black on White;
[1 CAR PER GREEN] C 75% spacing;
[EACH LANE] C;

SIGN R89-1(CA)



1.50" Radius, 0.50" Border, 0.38" Indent, Black on White;
[1 CAR PER GREEN] C 75% spacing;

SIGN R89(CA)



48.00" across sides 3" Radius, 1.25" Border, 0.75" Indent, Black on Yellow;
5" Radius Circle Red; 5" Radius Circle Yellow; 5" Radius Circle Green

SIGN W3-3

SIGN DETAILS

NO SCALE

SD-1

VINCENT NGUYEN — CALCULATED-DESIGNED BY
GRISH BIGLARIAN — CHECKED BY
REVISED BY — DATE REVISED
GRISH BIGLARIAN — FUNCTIONAL SUPERVISOR
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION 00-00-00 — DATE PLOTTED => 25-AUG-2010 — TIME PLOTTED => 14:00

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150ob001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1877 | PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	73	107

REGISTERED CIVIL ENGINEER — DATE 7/27/10

ANDY C. LIAO No. 57416 Exp. 12/31/11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

PLANS APPROVAL DATE 8/16/10

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. WEAKENED PLANE JOINT TO WEAKENED PLANE JOINT CONSTITUTES ONE SLAB.
2. SLAB LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.

LEGEND: ▨ - No. LANE AT THIS LOCATION

LNMI - LANE MILE

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

MAINLINE SUMMARY OF QUANTITIES

LOCATION		DIRECTION		NUMBER OF SLABS (N) (EACH)					REPLACE Conc PAVEMENT (RAPID STRENGTH Conc)	LEAN CONCRETE BASE RAPID SETTING	TIE BAR	DOWEL BAR	GRIND EXISTING CONCRETE PAVEMENT	SEAL JOINT (EXISTING CONCRETE PAVEMENT)	SEAL PAVEMENT JOINT	SEAL ISOLATION JOINT	REPAIR SPALLED JOINTS	CRACK TREATMENT	COLD PLANE ASPHALT CONCRETE PAVEMENT (SQYD)			RUBBERIZED HOT MIX ASPHALT (GAP GRADED)	TACK COAT	REPLACE AC SURFACING	HOT MIX ASPHALT (TYPE B)
FROM	TO	NB	SB	LANE#1	LANE#2	LANE#3	LANE#4	LANE#5	CY	CY	EA	EA	SQYD	LF	LF	LF	SQYD	LNMI	MEDIAN	MAINLINE	SHOULDER	TON	TON	CY	TON
PM 0.00 LOS ANGELES/VENTURA COUNTY LINE	PM 0.70 Rte 23/101 SEPARATION Br No. 52-0268E	X		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9,630	32,080	5,350	6,920	10.0	120	-
			X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9,630	32,080	5,350	6,920	10.0	120	-
PM 0.70 Rte 23/101 SEPARATION Br No. 52-0268E	PM 1.62 HAMPSHIRE Rd UC Br No. 52-0273	X		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10,750	42,970	7,170	8,950	13.0	160	-
			X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10,750	42,970	7,170	8,950	13.0	160	-
PM 1.62 HAMPSHIRE Rd Br No. 52-0273	PM 3.03 RANCHO Rd UC Br No. 52-0314	X		82	104	88	94	44	1,970	99	3,080	5,970	53,670	53,570	12,300	2,020	23	7.0	8,950	-	9,760	2,760	4.0	50	-
			X	54	68	157	167	113	2,730	137	4,190	8,050	53,670	49,260	16,610	2,640	31	7.0	8,950	-	9,760	2,760	4.0	50	-
PM 3.03 RANCHO Rd UC Br No. 52-0314	PM 3.11 Rte 23/101 SEPARATION Br No. 52-0317F	X		70	3	-	-	24	450	23	440	1,400	18,360	19,640	2,890	1,490	6	2.4	3,060	-	3,340	940	1.4	20	-
			X	38	26	42	39	39	890	45	1,290	2,650	18,360	17,060	5,470	1,220	11	2.4	3,060	-	3,340	940	1.4	20	-
PM 03.500 Rte 101	Rte 23 SEPARATION RAMP	X	X	5	5	▨	▨	▨	50	3	70	150	26,180	31,830	300	160	2	4.0	5,140	-	14,000	-	4.1	50	3,530
PM 03.500 Rte 23	Rte 101 SEPARATION RAMP	X	X	5	5	▨	▨	▨	50	3	70	150	26,180	31,830	300	160	2	2.8	3,600	-	9,800	-	2.9	50	2,470
PM 3.11 Rte 23/101 SEPARATION Br No. 52-0317F	PM 4.06 MOORPARK Rd UC Br No. 52-0237	X		24	54	65	23	-	790	40	1,360	2,400	21,770	21,770	4,940	380	10	2.9	3,630	-	3,960	1,130	1.6	20	-
			X	42	60	47	65	57	1,310	66	1,950	3,910	21,770	18,660	8,050	1,560	15	2.9	3,630	-	3,960	1,130	1.6	20	-
PM 4.06 MOORPARK Rd UC Br No. 52-0237	PM 5.05 LYNN Rd OC Br No. 52-0325	X		12	57	100	3	▨	830	42	1,470	2,480	30,490	32,300	5,110	240	10	4.0	6,360	-	6,930	1,960	2.8	40	-
			X	16	32	32	7	▨	410	21	700	1,260	30,490	34,820	2,590	370	5	4.0	6,360	-	6,930	1,960	2.8	40	--
PM 5.05 LYNN Rd OC Br No. 52-0325	PM 6.19 VENTU PARK Rd OC Br No. 52-0280	X		2	6	12	3	▨	120	6	200	340	35,320	42,650	690	80	2	4.6	7,360	-	8,030	2,260	3.3	40	-
			X	2	6	3	-	▨	60	3	90	160	35,320	43,010	330	40	-	4.6	7,360	-	8,030	2,260	3.3	40	-
PM 6.19 VENTU PARK Rd OC Br No. 52-0280	PM 7.02 BORCHARD Rd OC Br No. 52-0247	X		2	2	7	13	▨	120	6	210	350	25,900	31,070	720	240	2	3.4	5,400	-	5,890	1,670	2.4	30	-
			X	2	3	4	-	▨	50	3	80	130	25,900	31,520	270	40	-	3.4	5,400	-	5,890	1,670	2.4	30	-
PM 7.02 BORCHARD Rd OC Br No. 52-0247	PM 7.89 WENDY Dr OC Br No. 52-0266	X		2	2	10	-	▨	70	4	120	210	26,740	32,390	420	40	2	3.5	5,570	-	6,080	1,720	2.5	30	-
			X	2	2	4	13	▨	110	6	180	310	26,740	32,180	630	240	2	3.5	5,570	-	6,080	1,720	2.5	30	-
PM 7.89 WENDY Dr OC Br No. 52-0266	PM 9.00 CONEJO SCALES	X		3	6	120	32	▨	810	41	1,410	2,320	34,540	37,600	4,790	560	9	4.5	7,200	-	7,850	2,220	3.2	40	-
			X	2	2	13	19	▨	180	9	310	520	34,540	33,720	1,070	340	2	4.5	7,200	-	7,850	2,220	3.2	40	-
PM 11.43 ARROYO CONEJO CREEK Br No. 52-0008	PM 12.30 PLEASANT VALLEY Rd OC Br No. 52-0204	X		4	34	170	▨	▨	1,040	52	1,820	3,000	20,120	26,750	6,180	2,750	12	2.6	5,590	-	6,100	1,720	2.5	30	-
			X	11	45	169	▨	▨	1,120	56	1,940	3,240	20,120	26,240	6,690	2,840	13	2.6	5,590	-	6,100	1,720	2.5	30	-
PM 12.30 PLEASANT VALLEY Rd OC Br No. 52-0204	PM 12.60	X		5	15	-	▨	▨	100	5	160	290	7,020	10,890	600	80	2	1.0	1,950	-	2,130	610	0.9	20	-
			X	3	10	-	▨	▨	70	4	110	190	7,020	11,130	390	50	2	1.0	1,950	-	2,130	610	0.9	20	-
		SUBTOTAL		2,733					13,330	674	21,250	39,480	600,220	669,890	81,340	17,540	163	79	478,720			65,720	102.2	1,300	6,000

SUMMARY OF QUANTITIES

Q-1

REVISED BY | DATE REVISED

ANDY LIAO | QUANG V THAI

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: M. OJI KALU

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® OFFICE OF DESIGN B

LAST REVISION DATE PLOTTED => 25-AUG-2010
00-00-00 TIME PLOTTED => 14:00

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150pa001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1806 | PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	74	107

7/27/10
REGISTERED CIVIL ENGINEER DATE

ANDY C. LIAO No. 57416 Exp. 12/31/11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

8/16/10
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.

RAMPS SUMMARY OF QUANTITIES

LOCATION		DIRECTION		REPLACE Conc PAVEMENT (RAPID STRENGTH Conc)	LEAN CONCRETE BASE RAPID SETTING	Conc PAVEMENT (RAMP TERMINI) (RAPID STRENGTH Conc)	TIE BAR	DOWEL BAR	GRIND EXISTING CONCRETE PAVEMENT	SEAL JOINT (EXISTING CONCRETE PAVEMENT)	SEAL PAVEMENT JOINT	SEAL ISOLATION JOINT	REPAIR SPALLED JOINTS	CRACK TREATMENT	CLASS 3 AGGREGATE BASE	ROADWAY EXCAVATION	COLD PLANE ASPHALT CONCRETE PAVEMENT	RUBBERIZED HOT MIX ASPHALT (GAP GRADED)	TACK COAT	REPLACE AC SURFACING	HOT MIX ASPHALT (TYPE B)
		NB	SB	CY	CY	CY	EA	EA	SQYD	LF	LF	LF	SQYD	LNMI	CY	CY	SQYD	TON	TON	CY	TON
PM 0.70	WEST LAKE Rd ONRAMP	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	28,140	3,760	6.0	80	2.4
	WEST LAKE Rd OFFRAMP	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	15,500	2,070	3.3	40	-
PM 1.62	NEW HAMPSHIRE Rd ONRAMP	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	8,340	1,120	1.8	30	-
	NEW HAMPSHIRE Rd OFFRAMP	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	8,650	1,160	1.8	30	-
PM 3.03	RANCHO Rd ONRAMP	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	6,440	860	1.4	20	1.2
	RANCHO Rd OFFRAMP	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	6,840	920	1.5	20	-
	RANCHO Rd RAMP TERMINI	X	X	-	190	330	180	500	-	-	1,500	360	-	-	260	740	-	-	-	-	-
PM 3.90	MOORPARK Rd ONRAMP	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	11,300	1,510	2.4	30	-
	MOORPARK Rd OFFRAMP	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	12,380	1,650	2.6	40	-
	MOORPARK Rd RAMP TERMINI	X	X	-	220	400	240	600	-	-	1,800	360	-	-	310	880	-	-	-	-	-
PM 5.00	LYNN Rd ONRAMP	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	12,590	1,680	2.7	40	-
	LYNN Rd OFFRAMP	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	10,300	1,380	2.2	30	-
	LYNN Rd RAMP TERMINI	X	X	-	200	360	180	500	-	-	1,500	360	-	-	340	860	-	-	-	-	-
PM 6.20	VENTU PARK Rd ONRAMP	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	14,260	1,910	3.0	40	-
	VENTU PARK Rd OFFRAMP	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	9,550	1,280	2.0	30	-
	VENTU PARK Rd RAMP TERMINI	X	X	-	150	270	120	400	-	-	1,200	350	-	-	210	580	-	-	-	-	-
PM 7.01	RANCHO CONEJO ONRAMP	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	5,980	800	1.3	20	-
	RANCHO CONEJO OFFRAMP	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	7,210	970	1.5	20	-
PM 7.02	BORCHARD Rd ONRAMP	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	20,510	2,740	4.4	60	-
	BORCHARD Rd OFFRAMP	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	18,840	2,520	4.0	50	-
PM 7.90	WENDY Rd ONRAMP	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	10,650	1,420	2.3	30	1.2
	WENDY Rd OFFRAMP	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	7,030	940	1.5	20	-
	WENDY Rd RAMP TERMINI	X	X	-	210	380	240	300	-	-	1,800	360	-	-	300	820	-	-	-	-	-
PM 10.74	CAMARILLO SPRINGS ONRAMP	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	7,970	1,070	1.7	20	-
	CAMARILLO SPRINGS OFFRAMP	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	7,690	1,030	1.6	20	-
	CAMARILLO SPRINGS TERMINI	X	X	-	220	400	120	400	-	-	1,200	360	-	-	310	640	-	-	-	-	-
PM 12.60	PLEASANT VALLEY Rd ONRAMP	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	14,770	1,970	3.1	40	-
	PLEASANT VALLEY Rd OFFRAMP	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	6,770	910	1.4	20	-
	PLEASANT VALLEY RAMP TERMINI	X	X	-	150	270	360	800	-	-	2,390	380	-	-	210	430	-	-	-	-	-
SUBTOTAL SHEET Q-2				-	1,340	2,410	1,440	3,500	-	-	11,390	2,530	-	-	1,940	4,950	251,710	33,670	53.5	730	4.8
SUBTOTAL FROM SHEET Q-1				13,330	674	-	21,250	39,480	600,220	669,890	81,340	17,540	163	79	-	-	478,720	65,720	102.2	1,300	6,000
GRAND TOTAL				13,330	2,014	2,410	22,690	42,980	600,220	675,680	92,730	20,070	163	79	1,940	4,950	730,430	99,390	155.7	2,030	6,005

REVISED BY | DATE REVISED
ANDY LIAO | QUANG V THAI
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: M. OJI KALU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® OFFICE OF DESIGN B

LAST REVISION 00-00-00 | DATE PLOTTED => 08-SEP-2010 | TIME PLOTTED => 09:38

SUMMARY OF QUANTITIES

Q-2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0 / 12.6	75	107

7/27/10
REGISTERED CIVIL ENGINEER DATE

8/16/10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ANDY C. LIAO
No. 57416
Exp. 12/31/11
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.

RAMPS SUMMARY OF QUANTITIES

SHEET No.	LOCATION	DIRECTION		REMOVE AC DIKE	METAL BEAM GUARD RAILING (WOOD POST)	PLACE HOT MIXED ASPHALT DIKE (TYPE C)	PLACE HOT MIXED ASPHALT DIKE (TYPE F)	ALTERNATIVE FLARED TERMINAL SYSTEM	END ANCHOR ASSEMBLY (TYPE SFT)
		NB	SB	LF	LF	LF	LF	EA	EA
C-5	WESTLAKE Rd ONRAMP	X	X	230	100	130	100	2	2
C-6	RANCHO Rd ONRAMP		X	115	50	65	50	1	1
C-7	MOORPARK Rd ONRAMP	X			50			1	1
C-8	MOORPARK Rd ONRAMP		X		50			1	1
C-9	LYNN Rd ONRAMP	X			50			1	1
C-10	WENDY Dr ONRAMP	X			100			2	2
C-11	WENDY Dr ONRAMP		X	115	50	65	50	1	1
TOTAL				460	450	260	200	9	9

TEMMPORARY WATER POLLUTION CONTROL

	TEMPORARY DRAINAGE INLET PROTECTION
	EA
QUANTITY	30
TOTAL	30

SUMMARY OF QUANTITIES

Q-3

CALCULATED-DESIGNED BY: ANDY LIAO
CHECKED BY: QUANG V THAI
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR: M. OJI KALU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® OFFICE OF DESIGN B

LAST REVISION 00-00-00
DATE PLOTTED => 25-AUG-2010
TIME PLOTTED => 14:01

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150pa003.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1806
PROJECT NUMBER & PHASE 07000201601

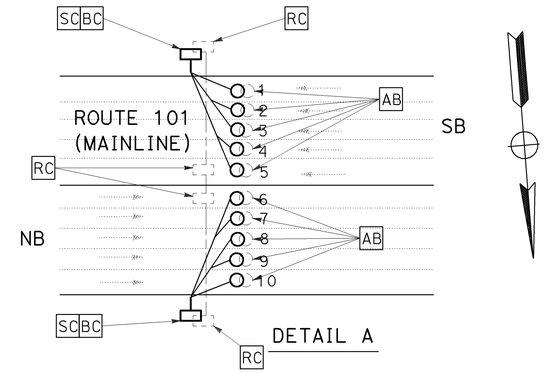
SUMMARY OF MAINLINE INDUCTIVE LOOPS

No.	PM	DESCRIPTIONS	QUANTITY		SEE DETAIL A UNLESS OTHERWISE STATED					No. OF STUBOUTS (REPLACE)
			PULL BOX (REPLACE)	LOOPS						
1	0.68	SB 101 AT NB WESTLAKE Blvd	1	5	1	2	3	4	5	1
2	0.84	SB 101 AT SB WESTLAKE Blvd	1	4	1	2	3	4		1
3	0.93	NB 101 AT NB WESTLAKE Blvd	1	4	6	7	8	9		1
4	1.09	NB 101 AT SB WESTLAKE Blvd	1	5	6	7	8	9	10	1
5	1.71	SB 101 AT HAMPSHIRE ROAD (SEE DETAIL C)	1	5	1	2	3	4	5	1
6	1.93	NB 101 AT HAMPSHIRE ROAD (SEE DETAIL B)	1	5	1	6	7	8	9	1
7	3.08	SB 101 AT ROUTE 23 (SEE DETAIL C)	1	5	1	2	3	4	5	1
8	3.11	SB 101 AT RANCHO ROAD	1	4	1	2	3	4		1
9	3.35	NB 101 AT RANCHO ROAD	1	4	6	7	8	9		1
10	3.60	NB 101 N/O Jct Rte 23 Fwy	1	4	6	7	8	9		1
11	3.60	SB 101 N/O Jct Rte 23 Fwy	1	5	1	2	3	4	5	1
12	3.92	SB 101 AT MOORPARK ROAD (SEE DETAIL C)	1	5	1	2	3	4	5	1
13	4.23	NB 101 AT MOORPARK ROAD (SEE DETAIL B)	1	4	1	6	7	8		1
14	5.06	SB 101 AT NB LYNN ROAD (SEE DETAIL C)	1	5	1	2	3	4	5	1
15	5.32	SB 101 AT SB LYNN ROAD	1	3	1	2	3			1
16	5.32	NB 101 AT LYNN ROAD	1	3	6	7	8			1
17	6.06	SB 101 AT SB VENTU PARK ROAD (SEE DETAIL C)	1	5	1	2	3	4	5	1
18	6.15	NB 101 AT NB VENTU PARK ROAD	1	4	6	7	8	9		1
19	6.22	SB 101 AT SB VENTU PARK ROAD	1	3	1	2	3			1
20	6.31	NB 101 AT VENTU PARK ROAD (SEE DETAIL B)	1	5	1	6	7	8	9	1
21	7.40	NB 101 AT RANCHO CONEJO Blvd	1	3	6	7	8			1
22	7.92	SB 101 AT WENDY DRIVE	1	3	1	2	3			1
23	8.02	NB 101 AT WENDY DRIVE	1	3	6	7	8			1
24	8.24	NB 101 AT WENDY DRIVE	1	4	6	7	8	9		1
25	10.98	NB 101 AT CAMARILLO SPRINGS ROAD	1	3	6	7	8			1
26	11.02	SB 101 AT CAMARILLO SPRINGS ROAD	1	4	1	2	3	4		1
27	12.43	NB 101 AT SANTA ROSA ROAD	1	3	6	7	8			1
28	12.53	SB 101 AT PLEASANT VALLEY ROAD	1	3	1	2	3			1

PROJECT NOTES: (FOR THIS SHEET)

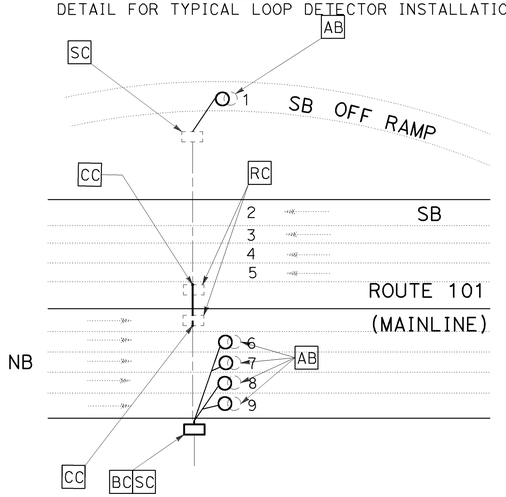
1 RC EXISTING PULL BOX IN THE MEDIAN. CUT MAIN LINE LOOPS TO THE SHOULDER.

2 RC EXISTING PULL BOX IN THE MEDIAN. CUT NEW MAIN LINE LOOPS TO THE SHOULDER. RECONNECT EXISTING CONDUIT AND RUN NEW DLC UP TO THE CONTROLLER FOR THE NEW LOOP DETECTOR AT THE OPPOSITE SIDE OFF RAMP.



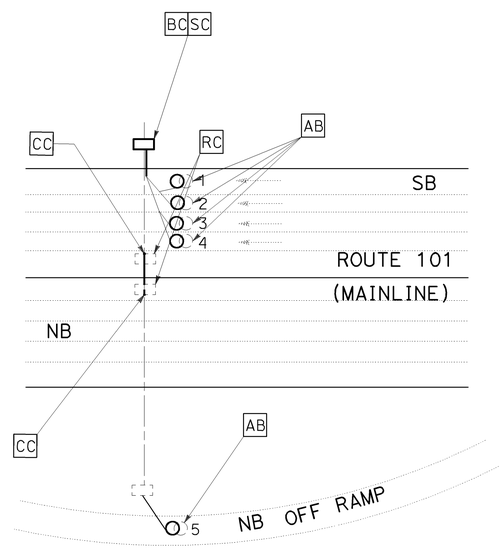
DETAIL A

DETAIL FOR TYPICAL LOOP DETECTOR INSTALLATION ON MAINLINE. SEE PROJECT NOTE 1 THIS SHEET.



DETAIL B

DETAIL FOR TYPICAL LOOP DETECTOR INSTALLATION ON MAINLINE AND LOOP DETECTOR AT THE OPPOSITE SIDE OF OFF RAMP. SEE PROJECT NOTE 2 THIS SHEET.



DETAIL C

DETAIL FOR TYPICAL LOOP DETECTOR INSTALLATION ON MAINLINE AND LOOP DETECTOR AT THE OPPOSITE SIDE OF OFF RAMP. SEE PROJECT NOTE 2 THIS SHEET.

GENERAL NOTES: (FOR SHEETS E-1 THRU E-11)

1. NEW STUBOUTS SHALL BE 2". ABANDON EXISTING STUBOUTS.
2. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL LOCATE EXISTING INDUCTIVE LOOP DETECTORS.
3. SPLICE NEW INDUCTIVE LOOP TO EXISTING dlc IN ADJACENT PULL BOX. EXCEPT SPLICE NEW INDUCTIVE LOOPS TO NEW DLC AT SB ON RAMP FROM 23/WESTALKE Blvd, SB ON RAMP FROM MOORPARK ROAD, NB ON RAMP FROM MOORPARK ROAD, SB ON RAMP FROM SB LYNN ROAD, NB ON RAMP FROM SB WENDY Dr, NB ON RAMP FROM NB WENDY Dr, SB ON RAMP FROM NB WENDY Dr.
4. TAG EXISTING dlc IN ADJACENT PULL BOX AND IN CONTROLLER CABINET.
5. TERMINATE THE LOOP WIRES ON THE OUTSIDE SHOULDER PULL BOX AND SPLICE TO THE EXISTING dlc's.
6. NEW INDUCTIVE LOOP DETECTORS ARE TYPE E, UNLESS OTHERWISE SHOWN.

INDUCTIVE LOOP DETECTOR
(REPLACEMENT)

NO SCALE

E-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	76	107

OHANNES ANSERLIAN 7/30/10
REGISTERED ELECTRICAL ENGINEER DATE

8/16/10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — OHANNES ANSERLIAN — No. E16682 — Exp 6/30/12 — 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.

REVISED BY | DATE REVISED
OHANNES ANSERLIAN | OSWALD ELIZONDO
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | OSWALD ELIZONDO
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION | TRAFFIC DESIGN

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

LAST REVISION | DATE PLOTTED => 25-AUG-2010
00-00-00 | TIME PLOTTED => 14:01

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	77	107

OHANNES ANSERLIAN 7/28/10
REGISTERED ELECTRICAL ENGINEER DATE

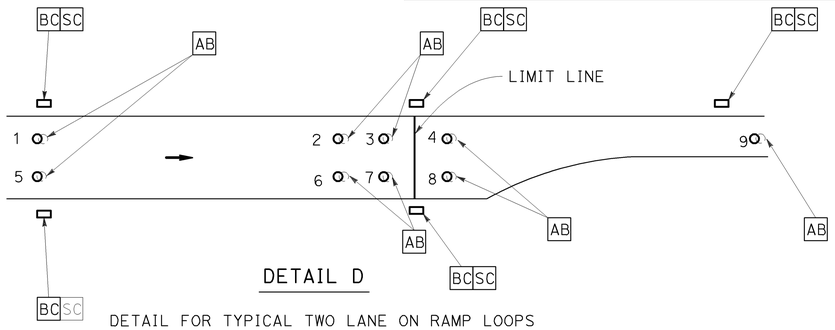
8/16/10
PLANS APPROVAL DATE

OHANNES ANSERLIAN No. E16682 Exp 6/30/12 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.

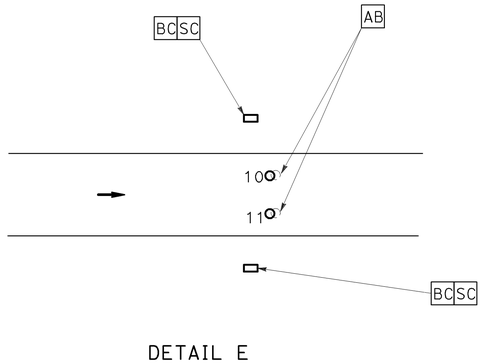
SUMMARY OF ON RAMP INDUCTIVE LOOPS

No.	PM	DESCRIPTIONS	QUANTITY		SEE DETAIL D UNLESS OTHERWISE STATED									No. OF STUBOUTS (REPLACE)
			PULL BOX (REPLACE)	LOOPS										
1	0.46	SB ON RAMP FROM NB 23/WESTLAKE	3	5	2	3	4	1	5					3
2	0.63	SB ON RAMP FROM SB 23/WESTLAKE	5	9	2	3	4	6	7	8	1	5	9	5
3	0.77	NB ON RAMP FROM NB 23/WESTLAKE	4	8	2	3	4	6	7	8	1	5		4
4	0.94	NB ON RAMP FROM SB 23/WESTLAKE	3	5	2	3	4	1	5					3
5	1.49	SB ON RAMP FROM HAMPSHIRE ROAD	3	5	2	3	4	1	5					3
6	1.78	NB ON RAMP FROM HAMPSHIRE ROAD	3	5	2	3	4	1	5					3
7	3.06	SB ON RAMP FROM RANCHO ROAD	3	5	2	3	4	1	5					3
8	3.08	SOUTH EAST CONNECTOR (SEE DETAIL E)	2	2	10	11								2
9	3.17	NB ON RAMP FROM RANCHO ROAD	3	5	2	3	4	1	5					3
10	4.84	SB ON RAMP FROM NB LYNN ROAD	4	8	2	3	4	6	7	8	1	9		4
11	5.01	SB ON RAMP FROM SB LYNN ROAD	2	4	2	3	4	1						2
12	5.17	NB ON RAMP FROM SB LYNN ROAD	3	5	2	3	4	1	5					3
13	6.06	SB ON RAMP FROM SB VENTU PARK ROAD	2	4	2	3	4	1						2
14	6.15	NB ON RAMP FROM NB VENTU PARK ROAD	2	4	2	3	4	1						2
15	6.23	SB ON RAMP FROM SB VENTU PARK ROAD	2	4	2	3	4	1						2
16	6.31	NB ON RAMP FROM NB VENTU PARK ROAD	2	4	2	3	4	1						2
17	7.23	NB ON RAMP FROM FROM SB RANCHO CONEJO Blvd	3	5	2	3	4	1	5					3
18	7.70	SB ON RAMP FROM NB WENDY DRIVE (SEE DETAIL F)	2	5	2	3	4	1	5					2
19	7.86	NB ON RAMP FROM NB WENDY DRIVE	2	4	2	3	4	1						2
20	8.07	NB ON RAMP FROM SB WENDY DRIVE	2	4	2	3	4	1						2
21	10.81	NB ON RAMP FROM SB CAMARILLO SPRINGS ROAD	2	4	2	3	4	1						2
22	10.83	SB ON RAMP FROM SB CAMARILLO SPRINGS ROAD	2	4	2	3	4	1						2
23	12.27	NB ON RAMP FROM NB SANTA ROSA ROAD	2	4	2	3	4	1						2
24	12.53	SB ON RAMP FROM SB PLEASANT VALLEY ROAD	2	4	2	3	4	1						2



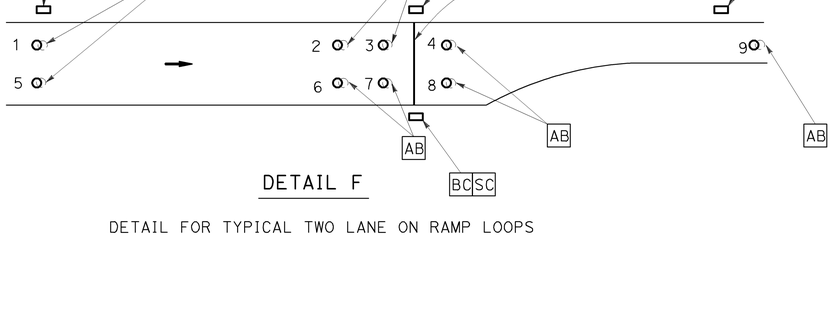
DETAIL D

DETAIL FOR TYPICAL TWO LANE ON RAMP LOOPS



DETAIL E

DETAIL FOR TYPICAL TWO LANE CONNECTOR



DETAIL F

DETAIL FOR TYPICAL TWO LANE ON RAMP LOOPS

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

INDUCTIVE LOOP DETECTOR
(REPLACEMENT)

NO SCALE

E-2

CALCULATED-DESIGNED BY
CHECKED BY
OHANNES ANSERLIAN
OSWALD ELIZONDO
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR
OSWALD ELIZONDO
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC DESIGN
Caltrans

LAST REVISION 00-00-00
DATE PLOTTED => 25-AUG-2010
TIME PLOTTED => 14:01

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150ua002.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1878
PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	78	107

Ohannes Anserlian 7/28/10
REGISTERED ELECTRICAL ENGINEER DATE

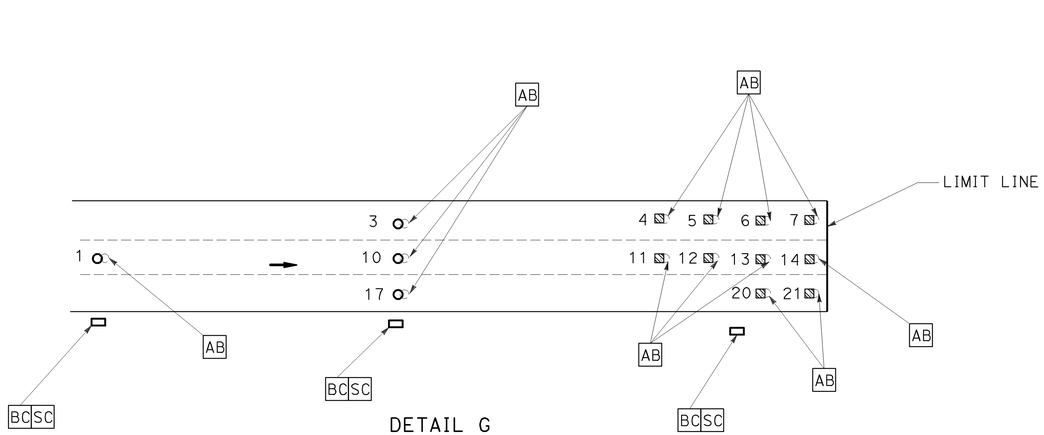
8/1610
PLANS APPROVAL DATE

OHANNES ANSERLIAN No. E16682 Exp 6/30/12 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.

SUMMARY OF OFF RAMP INDUCTIVE LOOPS

No.	PM	DESCRIPTIONS	QUANTITY		LOOPS DETAIL G (THIS SHEET)									No. OF STUBOUTS (REPLACE)
			PULL BOX (REPLACE)	LOOPS										
1	3.15	NB OFF RAMP MOORPARK ROAD	1	1	1									1
2	3.92	NB OFF RAMP MOORPARK ROAD	1	6	7	14	21	6	13	20				1
3	4.23	SB OFF RAMP MOORPARK ROAD	1	6	7	14	21	6	13	20				1
4	4.91	NB OFF RAMP LYNN ROAD	2	9	7	14	21	6	13	20	3	10	17	2
5	5.27	SB OFF RAMP LYNN ROAD	2	6	7	14	6	13	3	10				2
6	5.99	NB OFF RAMP TO VENTU PARK ROAD	1	8	7	14	6	13	5	12	4	11		1
7	6.38	SB OFF RAMP TO VENTU PARK ROAD	1	8	7	14	6	13	5	12	4	11		1
8	7.66	NB OFF TO WENDY DRIVE	2	9	7	14	21	6	13	20	3	10	17	2
9	7.92	SB OFF TO WENDY DRIVE	2	5	1	7	14	6	13					2
10	10.78	NB OFF TO CAMARILLO SPRINGS ROAD	1	1	1									1
11	10.89	SB OFF TO CAMARILLO SPRINGS ROAD	1	1	1									1
12	12.21	NB OFF TO PLEASANT VALLEY ROAD	2	8	3	10	7	14	21	6	13	20		2
13	12.39	SB OFF TO PLEASANT VALLEY ROAD	3	6	1	3	7	14	6	13				3



DETAIL G

DETAIL FOR TYPICAL OFF RAMP LOOPS

INDUCTIVE LOOP DETECTOR
(REPLACEMENT)

NO SCALE

E-3

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

REVISED BY | DATE REVISED
OHANNES ANSERLIAN | OSWALD ELIZONDO
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: OSWALD ELIZONDO
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION 00-00-00 | DATE PLOTTED => 25-AUG-2010 | TIME PLOTTED => 14:01

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150ua003.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1878 | PROJECT NUMBER & PHASE 07000201601

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

GENERAL NOTES: (THIS SHEET)

1. THE EXACT LOCATION OF THE CONTROLLER CABINET AND FLASHING BEACONS TO BE DETERMINED BY THE ENGINEER.
2. EXISTING ELEMENTS SHOWN FOR REFERENCE ONLY.
3. PERFORM STAGE 1 WORK BEFORE STAGE 2.

PROJECT NOTE: (STAGE ONE THIS SHEET)

[1] REMOVE AND PULL BACK THE 12SMFO.
STORE 12SMFO NEAR THE PULL BOX AT STATION 53+50.
PROTECT IN PLACE ONE ON COUNT dlc FOR RMS 1503.

PROJECT NOTES: (STAGE TWO THIS SHEET)

[2] ADD 4#14, 1#8(G) FOR FLASHING BEACON.

[3] INSTALL FLASHING BEACON OF TYPE 15-FBS AND SIGN W3-3 PER STANDARD PLAN ES-7J.
FOR ADDITIONAL DETAIL ON SIGN PANEL, SEE SIGN DETAIL SHEET SD-1

[4] REMOVE ALL CABLE.

[5] REMOVE AND KEEP 7 dlc AND SIGNAL CABLES. STORE CABLES NEAR STATION 53+50.

[6] INSTALL 2-3"C. INSTALL 4#14,1#(8)G FOR FLASHING BEACON, 2#8 FOR SERVICE EXTENSION, 2 DLC FOR CUE LOOPS. 2#14 FOR METER ON SIGN. ADD RESTORED CABLES 7DLC, SIGNAL CABLES AND 12SMFO CABLE.

[7] ADD THE RESTORED CABLES 7 dlc, SIGNAL CABLES AND 12SMFO.

[8] ADD 4#14,1#(8)G FOR FLASHING BEACON, 2#8 FOR SERVICE EXTENSION, 2 DLC FOR CUE LOOPS. 2#14 FOR METER ON SIGN.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	79	107

7/28/10
REGISTERED ELECTRICAL ENGINEER DATE

8/16/10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
VUONG B HONG
No. E16613
Exp. 6/30/12
ELECTRICAL
STATE OF CALIFORNIA

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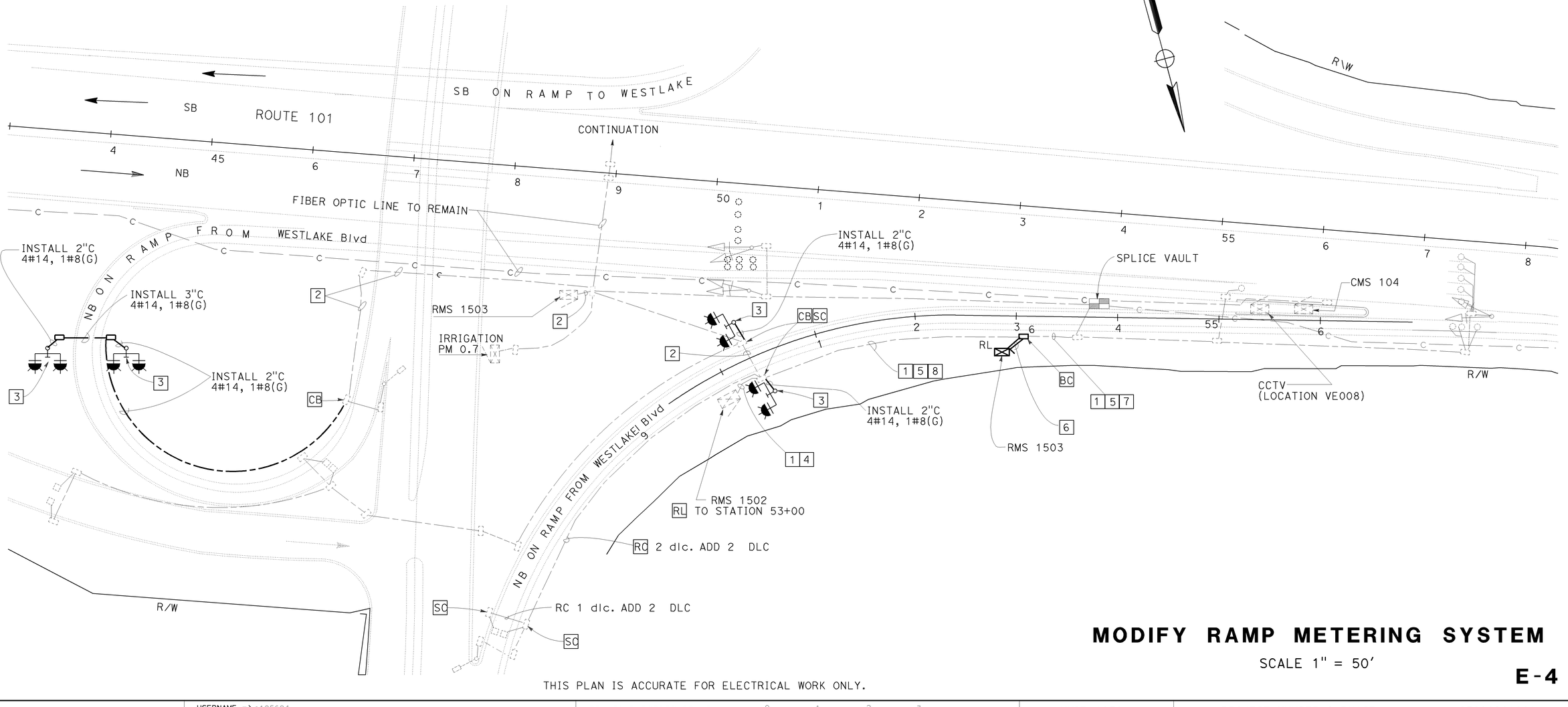

MODIFY RAMP METERING SYSTEM

SCALE 1" = 50'

E-4

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

CALCULATED-DESIGNED BY
CHECKED BY
VUONG HONG
OSWALD ELIZONDO
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR
OSWALD ELIZONDO
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION 00-00-00
DATE PLOTTED => 25-AUG-2010
TIME PLOTTED => 14:01

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150ud004.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1878
PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	80	107

Nooshin Ansari 7/28/10
REGISTERED ELECTRICAL ENGINEER DATE

8/16/10
PLANS APPROVAL DATE

NOOSHIN ANSARI No. E17010 Exp. 09/30/11 ELECTRICAL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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NOTE:

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

CONDUIT AND CONDUCTOR SCHEDULE

AWG OR CABLE	CONDUCTOR RUN	1	2	3	4	5	6
5CSC	RAMP SIGNAL					2	2
3CSC	METER ON			2	2		2
#8	FLASHING BEACONS				4		4
#8G	GROUND	1		1	1	1	1
#8 #4	RAMP METER SERVICE	2 (E) 4 (E)	2 (E) 4 (E)				2 0
DLC	DEMAND DETECTOR					2	2
	PASSAGE DETECTOR					2	2
	QUEUE DETERCOR			2	2		2
	COUNT DETECTOR			3	3	1	4
	SURVEILLANCE DETECTOR					4	4
CONDUIT SIZE		2"(E)	2½" (E)	2½"	2½"	3"	2-3"

All CONDUIT AND CONDUCTORS ARE NEW UNLESS OTHERWISE NOTED.
(E)= EXISTING

120/240 V TYPE III-BF METERED SERVICE ENCLOSURE WITH
100 A, 240 V, 2P,CB (MAIN BREAKER)
4-30 A,120 V,1P, CB (RAMP METERING)
20 A, 120 V, 1P, CB (DEMARCATION CABINET)
20 A 120 V,1P, CB (IRRIGATION)
ID NO. 07-52-101-0-000.715
ADDRESS: 6801/2 SOUTH WESTLAKE Blvd

GENERAL NOTES: (THIS SHEET)

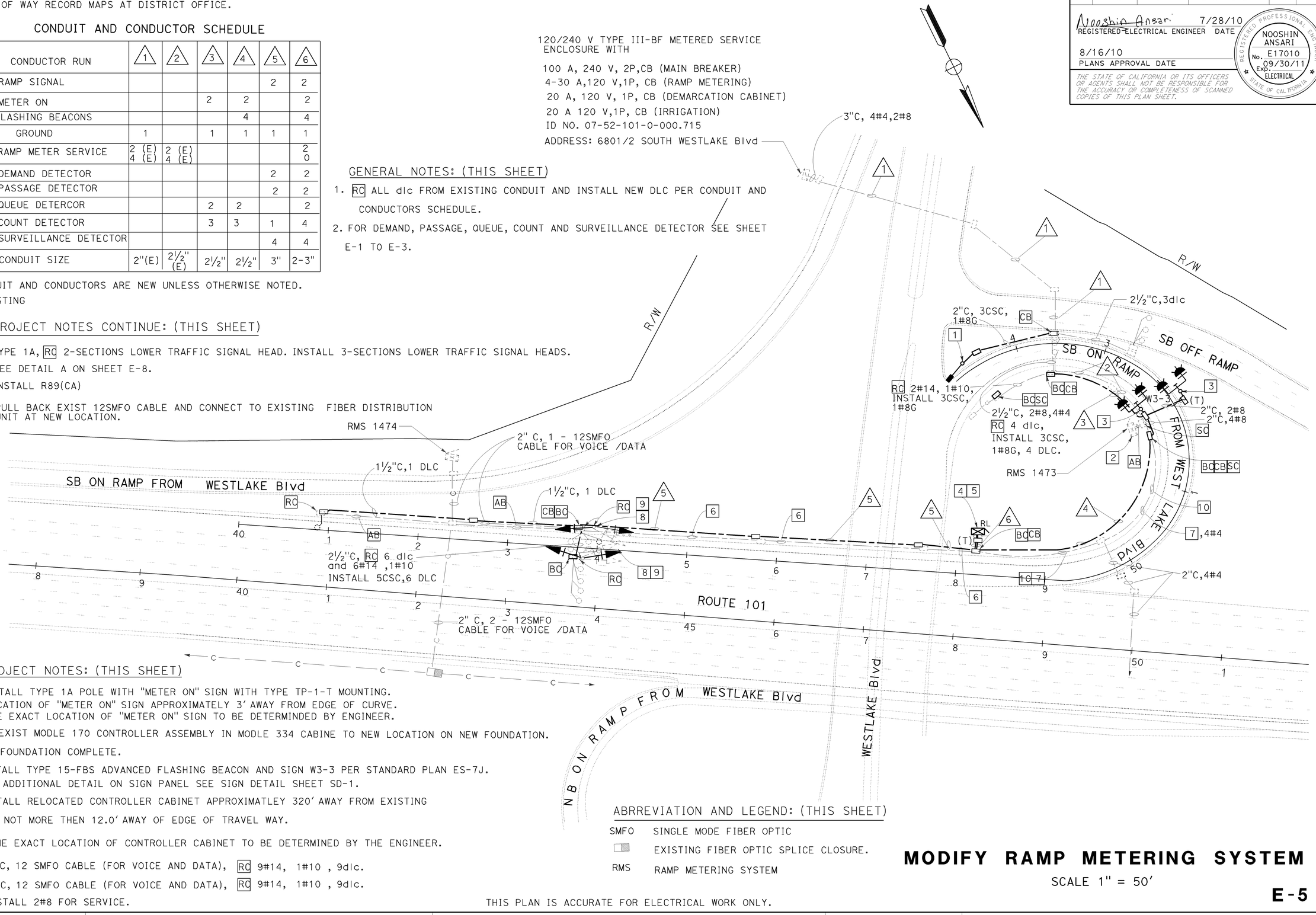
1. RC ALL dlc FROM EXISTING CONDUIT AND INSTALL NEW DLC PER CONDUIT AND CONDUCTORS SCHEDULE.
2. FOR DEMAND, PASSAGE, QUEUE, COUNT AND SURVEILLANCE DETECTOR SEE SHEET E-1 TO E-3.

PROJECT NOTES CONTINUE: (THIS SHEET)

8 TYPE 1A, RC 2-SECTIONS LOWER TRAFFIC SIGNAL HEAD. INSTALL 3-SECTIONS LOWER TRAFFIC SIGNAL HEADS. SEE DETAIL A ON SHEET E-8.

9 INSTALL R89(CA)

10 PULL BACK EXIST 12SMFO CABLE AND CONNECT TO EXISTING FIBER DISTRIBUTION UNIT AT NEW LOCATION.



PROJECT NOTES: (THIS SHEET)

1 INSTALL TYPE 1A POLE WITH "METER ON" SIGN WITH TYPE TP-1-T MOUNTING. LOCATION OF "METER ON" SIGN APPROXIMATELY 3' AWAY FROM EDGE OF CURVE. THE EXACT LOCATION OF "METER ON" SIGN TO BE DETERMINDED BY ENGINEER.

2 RL EXIST MODLE 170 CONTROLLER ASSEMBLY IN MODLE 334 CABINE TO NEW LOCATION ON NEW FOUNDATION.
RC FOUNDATION COMPLETE.

3 INSTALL TYPE 15-FBS ADVANCED FLASHING BEACON AND SIGN W3-3 PER STANDARD PLAN ES-7J. FOR ADDITIONAL DETAIL ON SIGN PANEL SEE SIGN DETAIL SHEET SD-1.

4 INSTALL RELOCATED CONTROLLER CABINET APPROXIMATLEY 320' AWAY FROM EXISTING AND NOT MORE THEN 12.0' AWAY OF EDGE OF TRAVEL WAY.

5 THE EXACT LOCATION OF CONTROLLER CABINET TO BE DETERMINED BY THE ENGINEER.

6 3" C, 12 SMFO CABLE (FOR VOICE AND DATA), RC 9#14, 1#10 , 9dlc.

7 3" C, 12 SMFO CABLE (FOR VOICE AND DATA), RC 9#14, 1#10 , 9dlc.
INSTALL 2#8 FOR SERVICE.

ABRREVIATION AND LEGEND: (THIS SHEET)

SMFO	SINGLE MODE FIBER OPTIC
	EXISTING FIBER OPTIC SPLICE CLOSURE.
RMS	RAMP METERING SYSTEM

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

MODIFY RAMP METERING SYSTEM

SCALE 1" = 50'

E-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: OSWALD ELIZONDO
CALCULATED-DESIGNED BY: NOOSHIN ANSARI
CHECKED BY: OSWALD ELIZONDO
REVISED BY / DATE REVISED

LAST REVISION | DATE PLOTTED => 25-AUG-2010 | TIME PLOTTED => 14:01 | 00-00-00

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150ua005.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1878 | PROJECT NUMBER & PHASE 07000201601

NOTE:

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	81	107

Ohannes O Anserlian 7/28/10
REGISTERED ELECTRICAL ENGINEER DATE

8/16/10
PLANS APPROVAL DATE

OHANNES ANSERLIAN No. E16682 Exp. 6/30/12 ELECTRICAL
REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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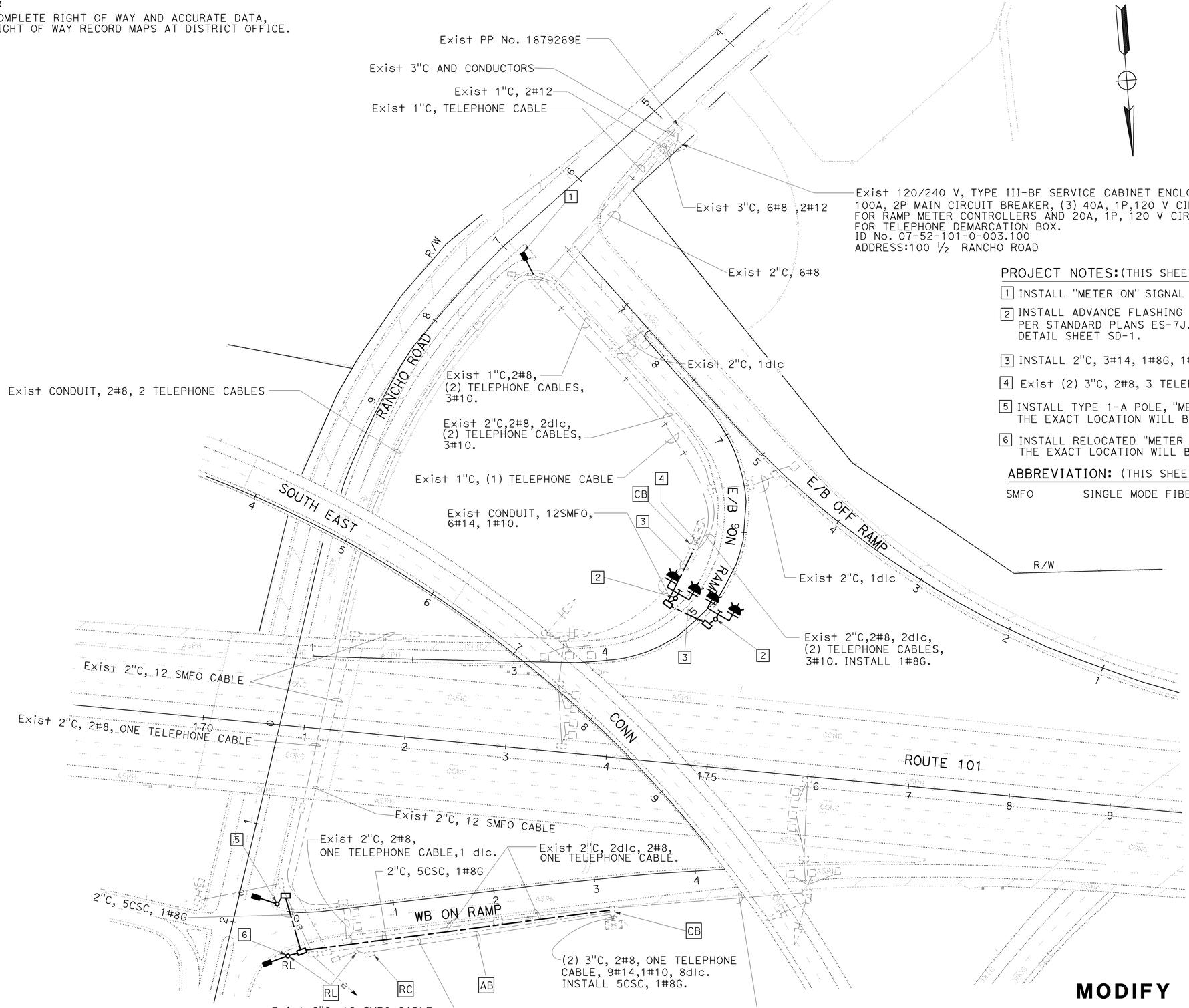

PROJECT NOTES: (THIS SHEET ONLY)

1. INSTALL "METER ON" SIGNAL HEAD ON EXISTING POLE.
2. INSTALL ADVANCE FLASHING BEACON WITH SLIP BASE, TYPE 15-FBS AND SIGN W3-3 PER STANDARD PLANS ES-7J. FOR ADDITIONAL DETAILS ON SIGN PANEL, SEE SIGN DETAIL SHEET SD-1.
3. INSTALL 2"C, 3#14, 1#8G, 1#10.
4. Exist (2) 3"C, 2#8, 3 TELEPHONE CABLES, 11#14, 2#10. INSTALL 3#14, 1#8G, 1#10.
5. INSTALL TYPE 1-A POLE, "METER-ON" SIGNAL HEAD WITH TP-1-T MOUNTING. THE EXACT LOCATION WILL BE DETERMINED BY THE ENGINEER AT THE FIELD.
6. INSTALL RELOCATED "METER ON" SIGNAL HEAD AND POLE ON A NEW FOUNDATION. THE EXACT LOCATION WILL BE DETERMINED BY THE ENGINEER AT THE FIELD.

ABBREVIATION: (THIS SHEET ONLY)

SMFO SINGLE MODE FIBER OPTIC

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

MODIFY RAMP METERING SYSTEM

SCALE 1" = 50'

E-6

REVISED BY | DATE REVISED
OHANNES ANSERLIAN | OSWALD ELIZONDO
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: OSWALD ELIZONDO

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION | DATE PLOTTED => 25-AUG-2010
00-00-00 | TIME PLOTTED => 14:01

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150ua006.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1878 | PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	82	107

7/28/10
REGISTERED ELECTRICAL ENGINEER DATE

CESAR HERNANDEZ
No. 15805
Exp. 12/31/10
ELECTRICAL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

8/16/10
PLANS APPROVAL DATE

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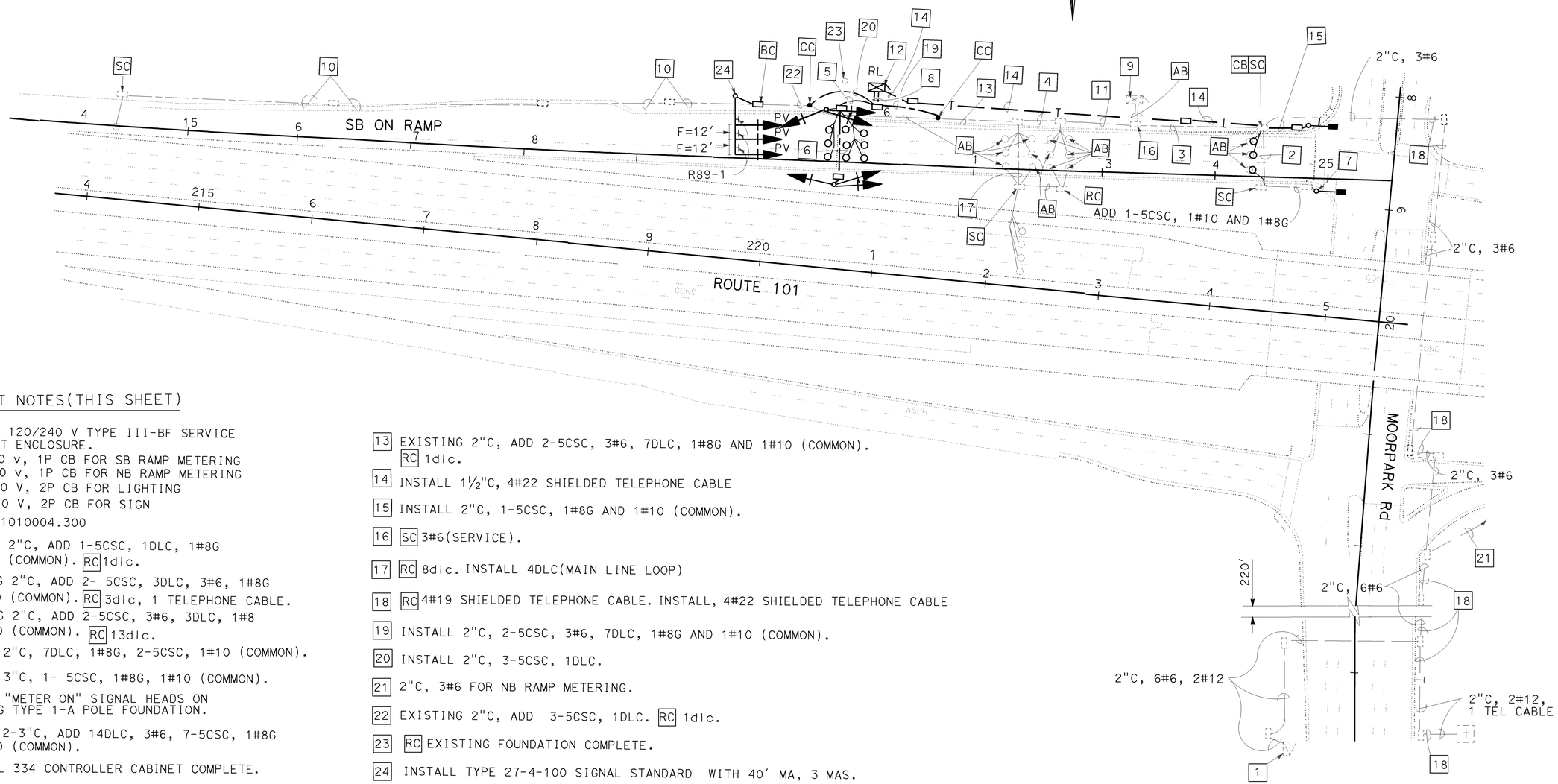
NOTE:

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

GENERAL NOTE(THIS SHEET)

1. FOR RAMP METERING SIGNAL AND RAMP METERING DETECTOR LOOP LAYOUT SEE DETAILS ON SHEET E-8.



PROJECT NOTES(THIS SHEET)

1. EXISTING 120/240 V TYPE III-BF SERVICE EQUIPMENT ENCLOSURE.
   40 A, 120 v, 1P CB FOR SB RAMP METERING
   40 A, 120 v, 1P CB FOR NB RAMP METERING
   40 A, 240 V, 2P CB FOR LIGHTING
   30 A, 240 V, 2P CB FOR SIGN
   ID# 07521010004.300
2. EXISTING 2"C, ADD 1-5CSC, 1DLC, 1#8G AND 1#10 (COMMON). RC 1dlc.
3. EXISTING 2"C, ADD 2- 5CSC, 3DLC, 3#6, 1#8G AND 1#10 (COMMON). RC 3dlc, 1 TELEPHONE CABLE.
4. EXISTING 2"C, ADD 2-5CSC, 3#6, 3DLC, 1#8 AND 1#10 (COMMON). RC 13dlc.
5. INSTALL 2"C, 7DLC, 1#8G, 2-5CSC, 1#10 (COMMON).
6. INSTALL 3"C, 1- 5CSC, 1#8G, 1#10 (COMMON).
7. INSTALL "METER ON" SIGNAL HEADS ON EXISTING TYPE 1-A POLE FOUNDATION.
8. INSTALL 2-3"C, ADD 14DLC, 3#6, 7-5CSC, 1#8G AND 1#10 (COMMON).
9. RL MODEL 334 CONTROLLER CABINET COMPLETE.
10. EXISTING 2"C, ADD 1DLC. RC 1dlc.
11. EXISTING 2"C, ADD 2-5CSC, 3#6, 3DLC, 1#8 AND 1#10 (COMMON). RC 17dlc.
12. INSTALL CONTROLLER CABINET ON A NEW FOUNDATION.
13. EXISTING 2"C, ADD 2-5CSC, 3#6, 7DLC, 1#8G AND 1#10 (COMMON). RC 1dlc.
14. INSTALL 1½"C, 4#22 SHIELDED TELEPHONE CABLE
15. INSTALL 2"C, 1-5CSC, 1#8G AND 1#10 (COMMON).
16. SC 3#6(SERVICE).
17. RC 8dlc. INSTALL 4DLC(MAIN LINE LOOP)
18. RC 4#19 SHIELDED TELEPHONE CABLE. INSTALL, 4#22 SHIELDED TELEPHONE CABLE
19. INSTALL 2"C, 2-5CSC, 3#6, 7DLC, 1#8G AND 1#10 (COMMON).
20. INSTALL 2"C, 3-5CSC, 1DLC.
21. 2"C, 3#6 FOR NB RAMP METERING.
22. EXISTING 2"C, ADD 3-5CSC, 1DLC. RC 1dlc.
23. RC EXISTING FOUNDATION COMPLETE.
24. INSTALL TYPE 27-4-100 SIGNAL STANDARD WITH 40' MA, 3 MAS.

MODIFY RAMP METERING SYSTEM

SCALE 1" = 50'

E-7

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: OSWALD U. ELIZONDO
CALCULATED-DESIGNED BY: HK
CHECKED BY: OA
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 25-AUG-2010
TIME PLOTTED => 14:01
00-00-00

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150ua007.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1878
PROJECT NUMBER & PHASE 07000201601

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	83	107

REGISTERED ELECTRICAL ENGINEER — 7/28/10 DATE

CESAR HERNANDEZ No. 15805 Exp 12/31/10 ELECTRICAL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

8/16/10
PLANS APPROVAL DATE

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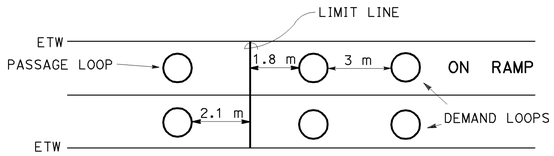
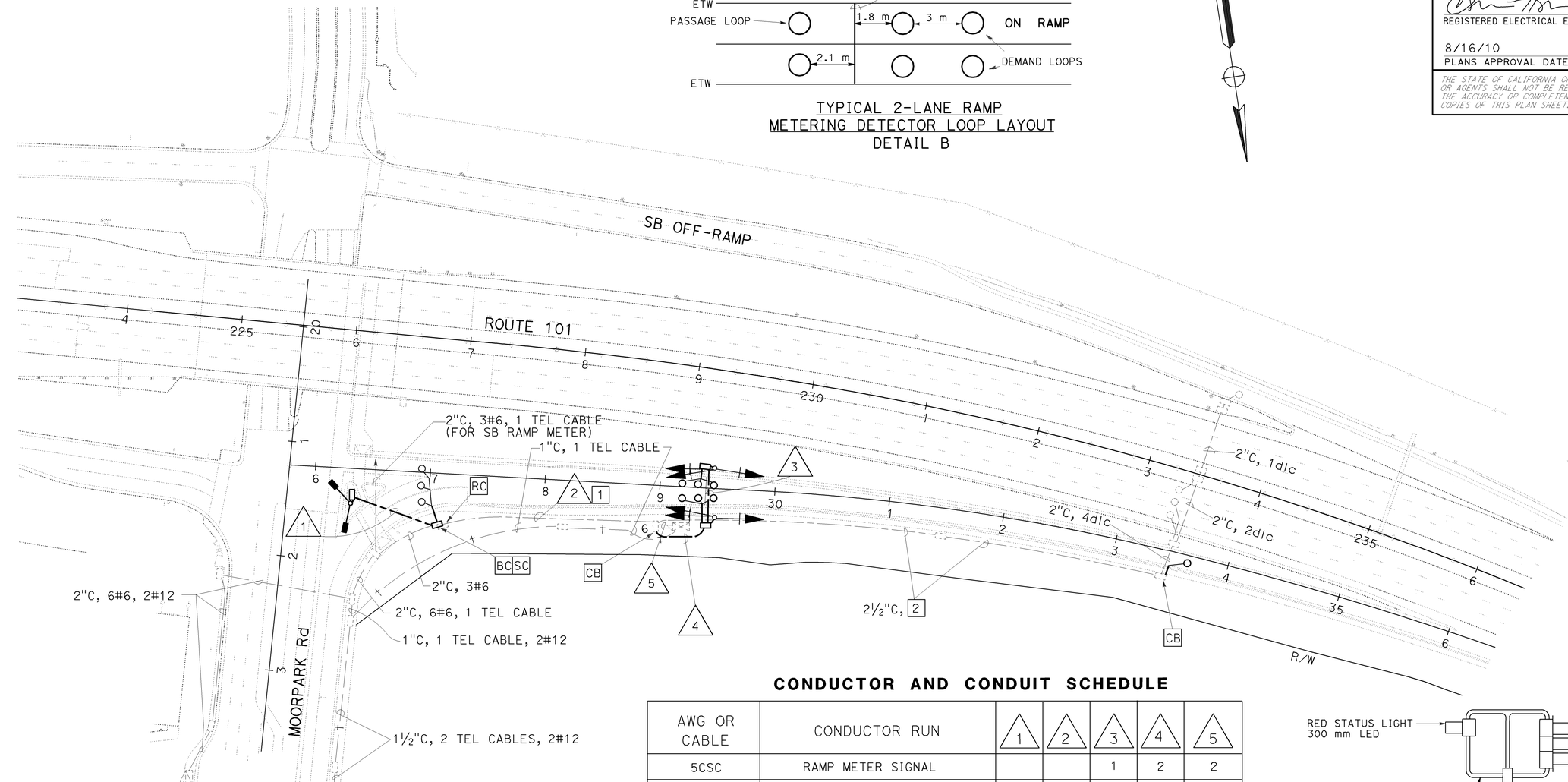
NOTE:

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



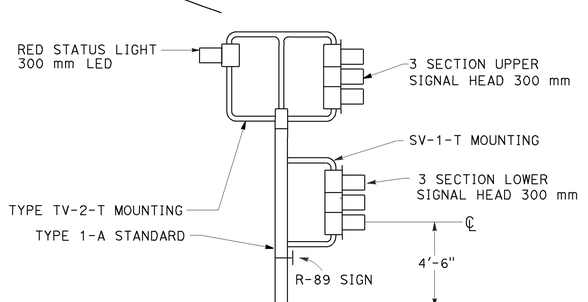
TYPICAL 2-LANE RAMP
METERING DETECTOR LOOP LAYOUT
DETAIL B



CONDUCTOR AND CONDUIT SCHEDULE

AWG OR CABLE	CONDUCTOR RUN	△1	△2	△3	△4	△5
5CSC	RAMP METER SIGNAL			1	2	2
5CSC	METER-ON SIGN	1	1			1
#10	SIGNAL COMMON	1	1	1	1	1
#6	SERVICE		3			3
#8	GROUND	1	1	1	1	1
DLC	COUNT DETECTOR					1
	QUEUE DETECTOR		3			3
	DEMAND DETECTOR			1	2	2
	PASSAGE DETECTOR			1	2	2
	MAINLINE DETECTOR					3(E)
	SB EXIT DETECTOR					1(E)
CONDUIT SIZE		2"	2"(E)	2"	3"	2-3"(E)

ALL CONDUIT AND CONDUCTORS ARE NEW UNLESS OTHERWISE NOTED.
(E) EXISTING



RAMP METER SIGNAL
DETAIL A
NO SCALE

PROJECT NOTES: (THIS SHEET)

1 RC EXISTING CONDUCTORS.

2 RC EXISTING 9#14, 1#10. MAINLINE AND SB OFFRAMP DLCs TO REMAIN. ADD 1 DLC (Count loop), 1#8G

NOTE: (SHEETS E-7 AND E-8)

1. INSTALL LOOP DETECTORS AND RAMP METER SIGNAL PER DETAILS A AND B IN THIS SHEET.

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

MODIFY RAMP METERING SYSTEM

SCALE 1"=50'

E-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: OSWALD U. ELIZONDO
CALCULATED-DESIGNED BY: CH
CHECKED BY: OA
REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED => 25-AUG-2010
00-00-00 | TIME PLOTTED => 14:01

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	84	107

7/28/10
REGISTERED ELECTRICAL ENGINEER DATE

8/16/10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JAMSHED A. HYDER
No. E18656
Exp. 12/31/10
ELECTRICAL
STATE OF CALIFORNIA

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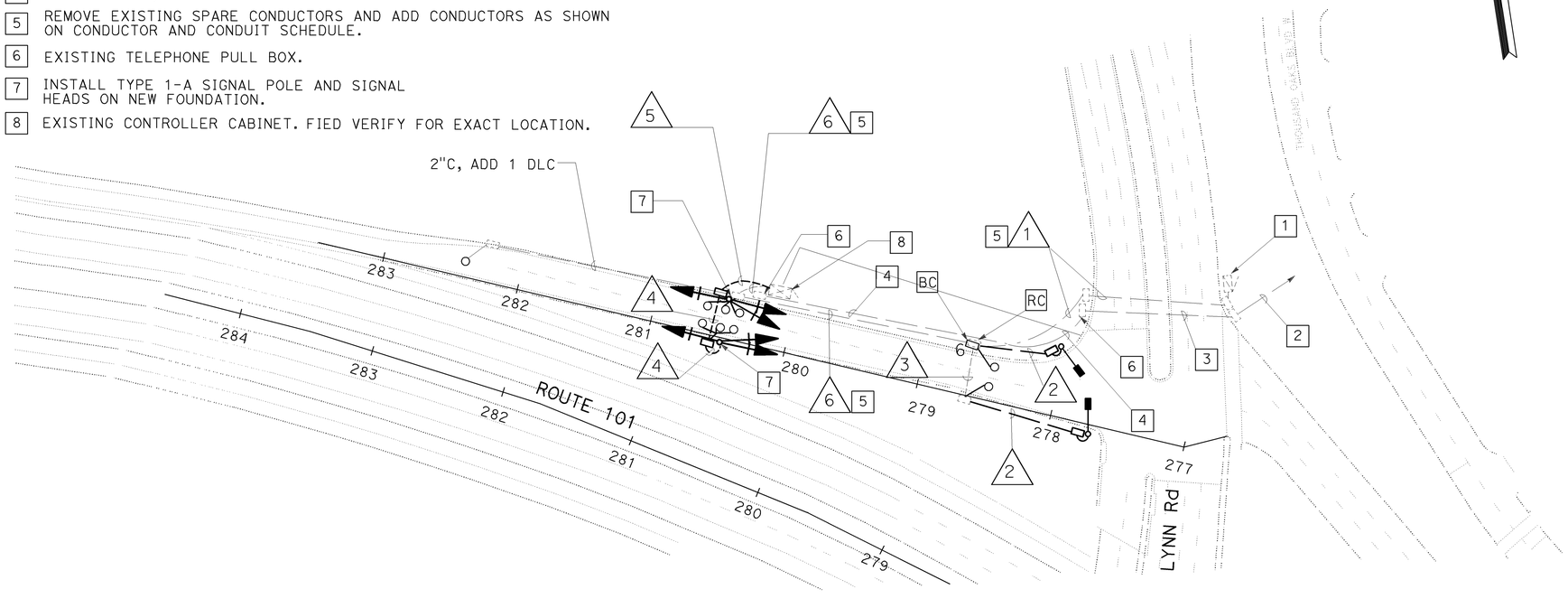
PROJECT NOTES(THIS SHEET)

1. EXISTING 120/240 V TYPE III BF SERVICE EQUIPMENT ENCLOSER. ID:07521010004.900 ADDRESS: 100½ LYNN Rd THOUSANDOAK, CA
2. EXISTING 2"C TO TELEPHONE DEMARCATION CABINET.
3. EXISTING 2"C, 1 TELEPHONE CABLE.
4. EXISTING 1"C, 1 TELEPHONE CABLE TO CONTROLLER CABINET.
5. REMOVE EXISTING SPARE CONDUCTORS AND ADD CONDUCTORS AS SHOWN ON CONDUCTOR AND CONDUIT SCHEDULE.
6. EXISTING TELEPHONE PULL BOX.
7. INSTALL TYPE 1-A SIGNAL POLE AND SIGNAL HEADS ON NEW FOUNDATION.
8. EXISTING CONTROLLER CABINET. FIED VERIFY FOR EXACT LOCATION.

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

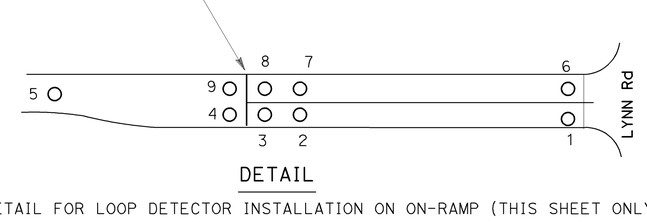


CONDUCTOR AND CONDUIT SCHEDULE

AWG OR CABLE	CONDUCTOR RUN	1	2	3	4	5	6
9CSC	RAMP METER SIGNAL				1	2	
5CSC	METER-ON SIGN		1	1			1
#10	SIGNAL COMMON		1	1	1	1	1
#6	SERVICE	2					2
#8	GROUND CONDUCTOR	1	1	1			1
DLC	COUNT DETECTOR						1
	QUEUE DETECTOR			1			2
	DEMAND DETECTOR				1	2	
	PASSAGE DETECTOR				1	2	
	CONDUIT SIZE	2"C(E)	2"C	3"C(E)	2"C	2"C	2"C(E)

ALL CONDUCTORS ARE NEW UNLESS OTHERWISE NOTED.

(E) EXISTING



DETAIL

DETAIL FOR LOOP DETECTOR INSTALLATION ON ON-RAMP (THIS SHEET ONLY).

MODIFY RAMP METERING SYSTEM

SCALE 1"= 50'

E-9

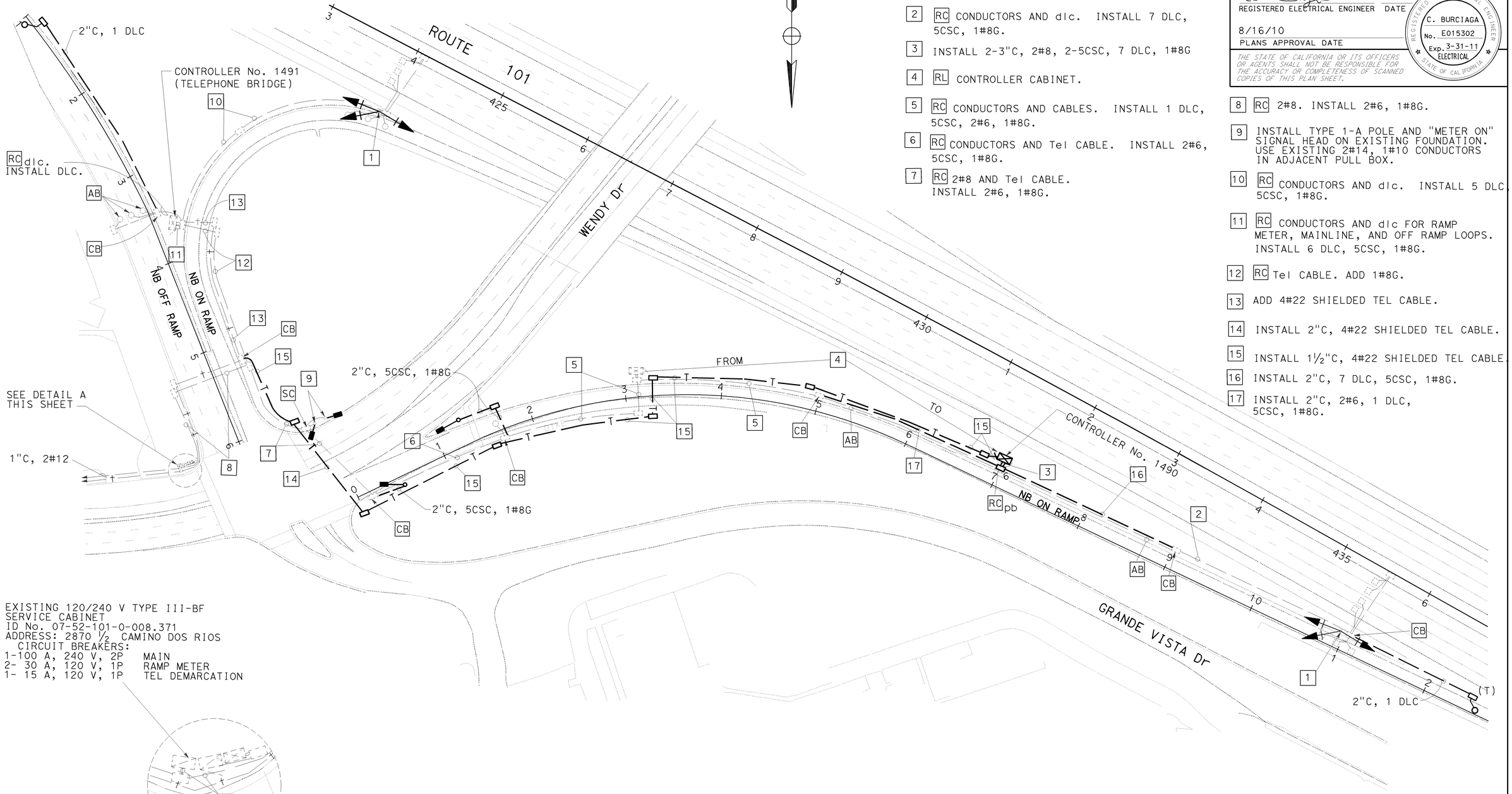
THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

REVISED BY | DATE REVISED
JAMSHED HYDER | OSWALD ELIZONDO
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: OSWALD ELIZONDO
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION | DATE PLOTTED => 25-AUG-2010
00-00-00 | TIME PLOTTED => 14:01

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150ua009.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1878 | PROJECT NUMBER & PHASE 07000201601

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



PROJECT NOTES(THIS SHEET)

1. INSTALL TYPE 1-A SIGNAL POLE AND SIGNAL HEADS ON EXISTING FOUNDATION.
2. RC CONDUCTORS AND dlc. INSTALL 7 DLC, 5CSC, 1#8G.
3. INSTALL 2-3"C, 2#8, 2-5CSC, 7 DLC, 1#8G
4. RL CONTROLLER CABINET.
5. RC CONDUCTORS AND CABLES. INSTALL 1 DLC, 5CSC, 2#6, 1#8G.
6. RC CONDUCTORS AND Tel CABLE. INSTALL 2#6, 5CSC, 1#8G.
7. RC 2#8 AND Tel CABLE. INSTALL 2#6, 1#8G.
8. RC 2#8. INSTALL 2#6, 1#8G.
9. INSTALL TYPE 1-A POLE AND "METER ON" SIGNAL HEAD ON EXISTING FOUNDATION. USE EXISTING 2#14, 1#10 CONDUCTORS IN ADJACENT PULL BOX.
10. RC CONDUCTORS AND dlc. INSTALL 5 DLC, 5CSC, 1#8G.
11. RC CONDUCTORS AND dlc FOR RAMP METER, MAINLINE, AND OFF RAMP LOOPS. INSTALL 6 DLC, 5CSC, 1#8G.
12. RC Tel CABLE. ADD 1#8G.
13. ADD 4#22 SHIELDED TEL CABLE.
14. INSTALL 2"C, 4#22 SHIELDED TEL CABLE.
15. INSTALL 1½"C, 4#22 SHIELDED TEL CABLE.
16. INSTALL 2"C, 7 DLC, 5CSC, 1#8G.
17. INSTALL 2"C, 2#6, 1 DLC, 5CSC, 1#8G.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	85	107

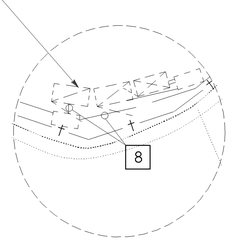
7/28/10
REGISTERED ELECTRICAL ENGINEER DATE

8/16/10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
C. BURCIAGA
No. E015302
Exp. 3-31-11
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.

EXISTING 120/240 V TYPE III-BF
SERVICE CABINET
ID No. 07-52-101-0-008.371
ADDRESS: 2870 ½ CAMINO DOS RIOS
CIRCUIT BREAKERS:
1-100 A, 240 V, 2P MAIN
2- 30 A, 120 V, 1P RAMP METER
1- 15 A, 120 V, 1P TEL DEMARCATION



DETAIL A

GENERAL NOTES(THIS SHEET)

1. FOR DEMAND, PASSAGE, QUEUE, COUNT AND SURVEILLANCE DETECTOR SEE SHEET E-1 TO E-3.

MODIFY RAMP METERING SYSTEM

SCALE 1" = 50'

E-10

NOTE: THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: OSWALD ELIZONDO
CALCULATED-DESIGNED BY: CECILIO BURCIAGA
CHECKED BY: OSWALD ELIZONDO
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 25-AUG-2010
00-00-00 TIME PLOTTED => 14:01

BORDER LAST REVISED 7/2/2010
USERNAME => s125624
DGN FILE => 725150ua010.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1878
PROJECT NUMBER & PHASE 07000201601

FOR COMPLETE RIGHT OF WAY AND ACCESS DATA,
SEE RIGHT OF WAY MAPS AT THE DISTRICT OFFICE

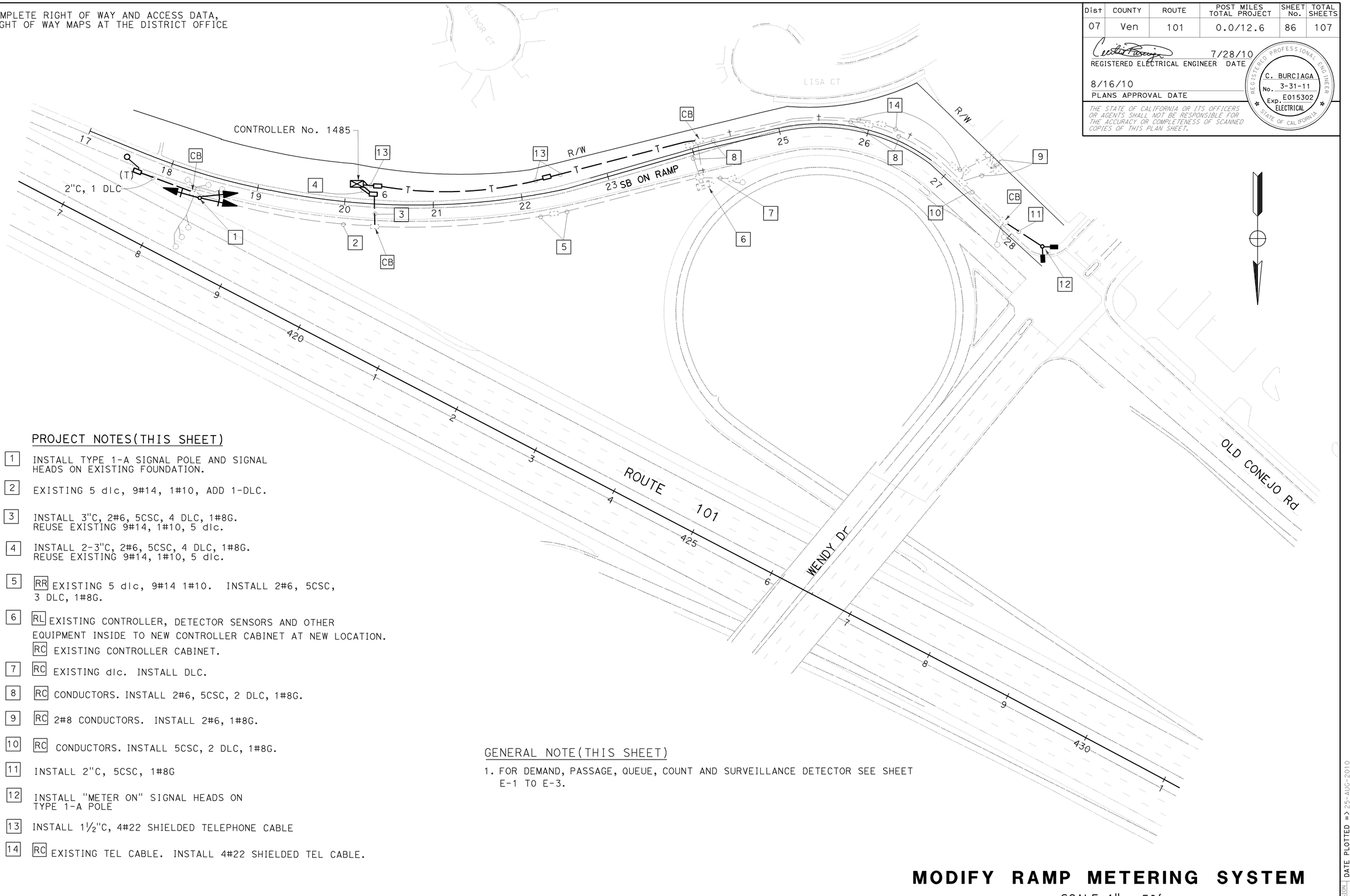
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	101	0.0/12.6	86	107

7/28/10
REGISTERED ELECTRICAL ENGINEER DATE

8/16/10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
C. BURCIAGA
No. 3-31-11
Exp. E015302
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.



PROJECT NOTES(THIS SHEET)

1. INSTALL TYPE 1-A SIGNAL POLE AND SIGNAL HEADS ON EXISTING FOUNDATION.
2. EXISTING 5 dlc, 9#14, 1#10, ADD 1-DLC.
3. INSTALL 3"C, 2#6, 5CSC, 4 DLC, 1#8G. REUSE EXISTING 9#14, 1#10, 5 dlc.
4. INSTALL 2-3"C, 2#6, 5CSC, 4 DLC, 1#8G. REUSE EXISTING 9#14, 1#10, 5 dlc.
5. RR EXISTING 5 dlc, 9#14 1#10. INSTALL 2#6, 5CSC, 3 DLC, 1#8G.
6. RL EXISTING CONTROLLER, DETECTOR SENSORS AND OTHER EQUIPMENT INSIDE TO NEW CONTROLLER CABINET AT NEW LOCATION.
   RC EXISTING CONTROLLER CABINET.
7. RC EXISTING dlc. INSTALL DLC.
8. RC CONDUCTORS. INSTALL 2#6, 5CSC, 2 DLC, 1#8G.
9. RC 2#8 CONDUCTORS. INSTALL 2#6, 1#8G.
10. RC CONDUCTORS. INSTALL 5CSC, 2 DLC, 1#8G.
11. INSTALL 2"C, 5CSC, 1#8G
12. INSTALL "METER ON" SIGNAL HEADS ON TYPE 1-A POLE
13. INSTALL 1½"C, 4#22 SHIELDED TELEPHONE CABLE
14. RC EXISTING TEL CABLE. INSTALL 4#22 SHIELDED TEL CABLE.

GENERAL NOTE(THIS SHEET)

1. FOR DEMAND, PASSAGE, QUEUE, COUNT AND SURVEILLANCE DETECTOR SEE SHEET E-1 TO E-3.

MODIFY RAMP METERING SYSTEM

SCALE 1" = 50'

NOTE: THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

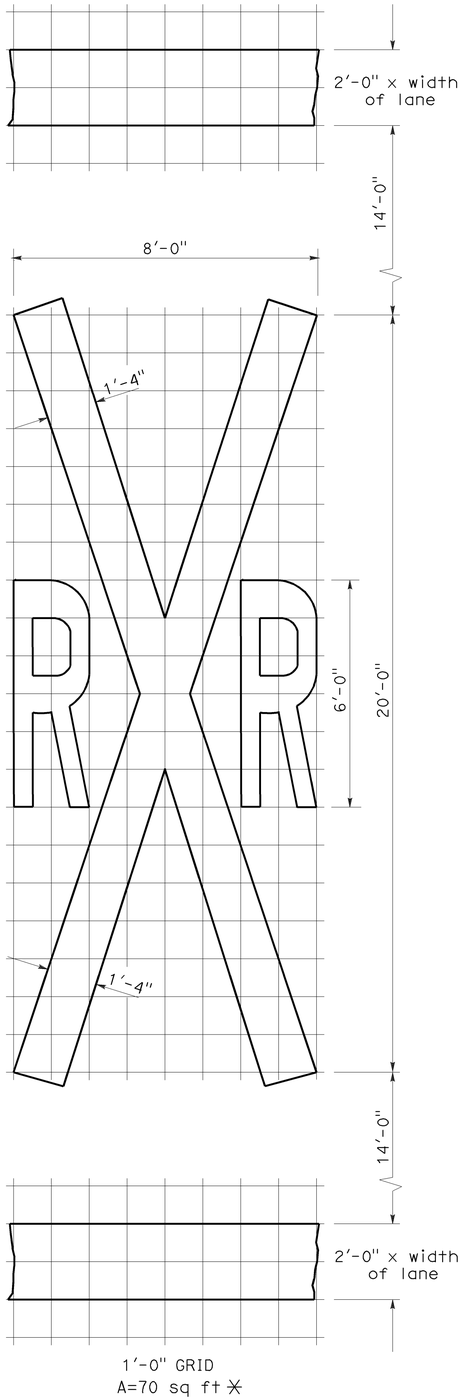
E-11

REVISED BY | DATE REVISED
CECILIO BURCIAGA | OSWALD ELIZONDO
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: OSWALD ELIZONDO

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

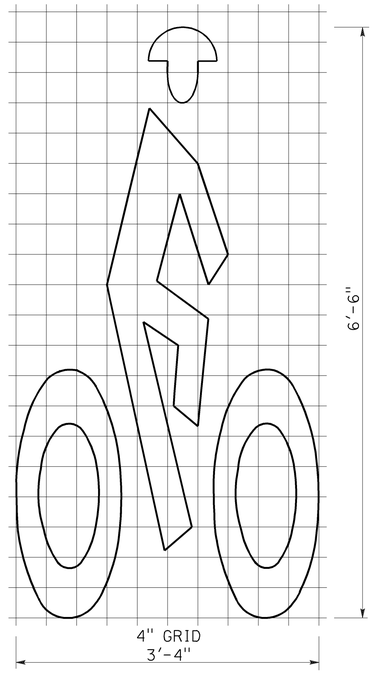
LAST REVISION | DATE PLOTTED => 25-AUG-2010
00-00-00 | TIME PLOTTED => 14:01

BORDER LAST REVISED 7/2/2010 | USERNAME => s125624 | DGN FILE => 725150ua011.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1878 | PROJECT NUMBER & PHASE 07000201601

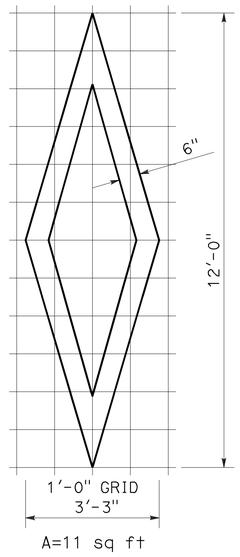


RAILROAD CROSSING SYMBOL

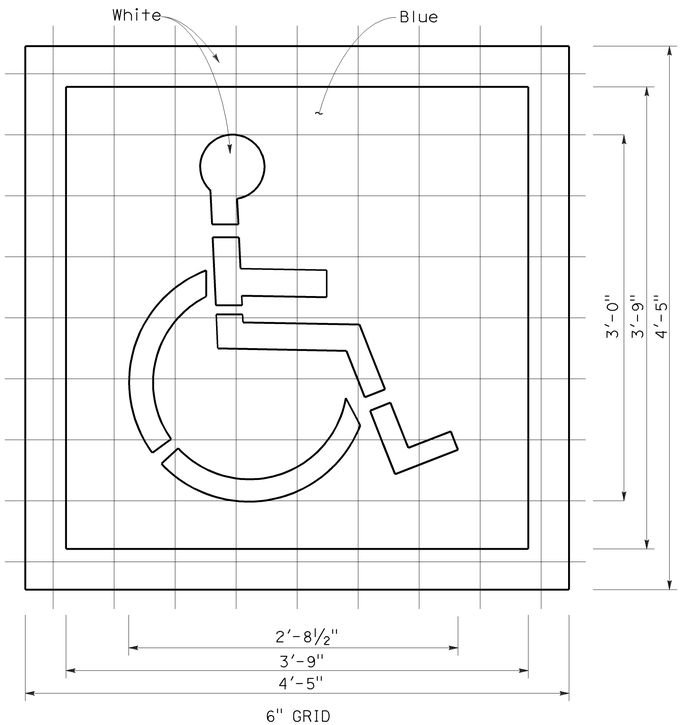
✳70 sq ft DOES NOT INCLUDE THE 2'-0" x VARIABLE WIDTH TRANSVERSE LINES.



BIKE LANE SYMBOL

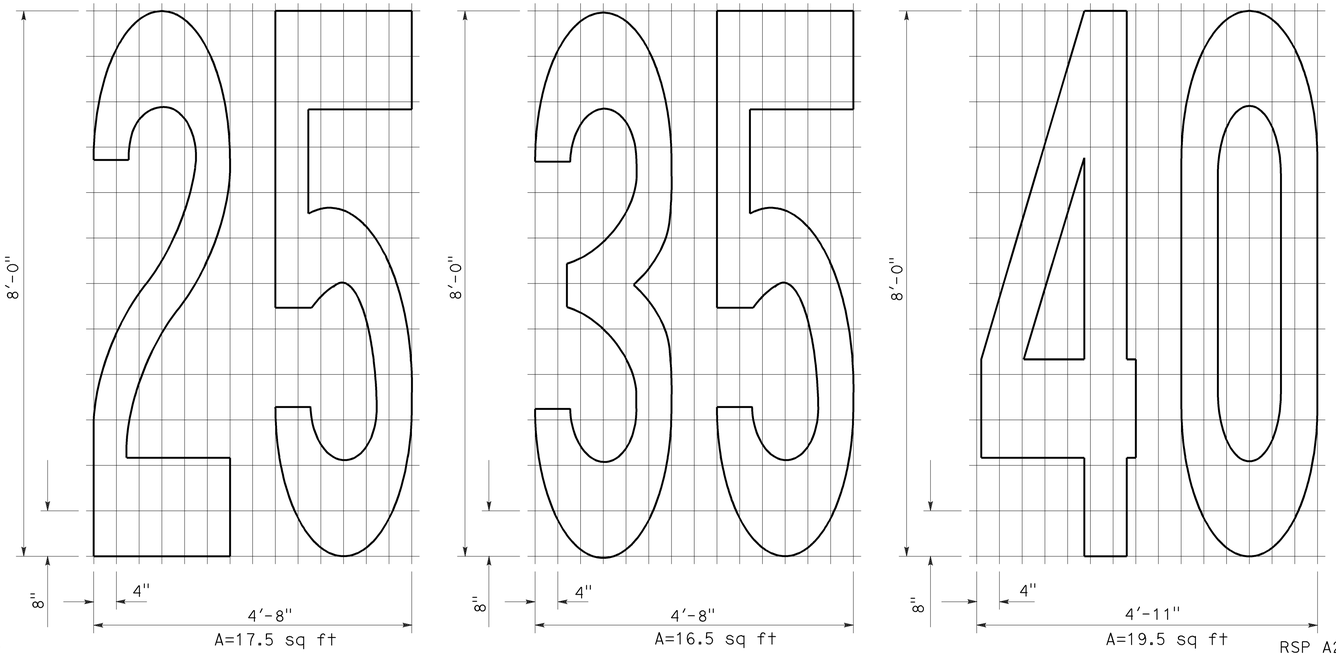


DIAMOND SYMBOL

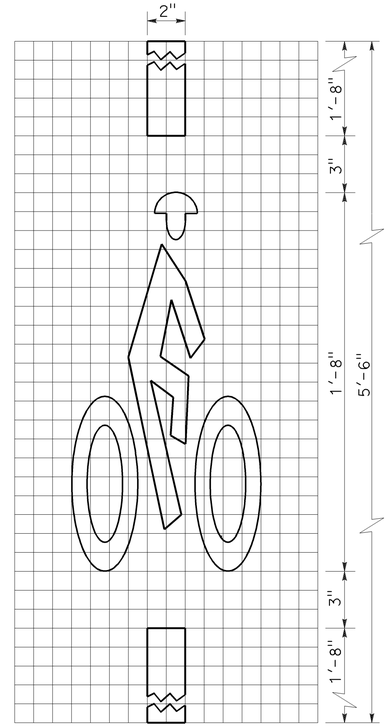


6" GRID
A (White) =9 sq ft
A (Blue) =14 sq ft

INTERNATIONAL SYMBOL OF ACCESSIBILITY MARKING



NUMERALS



BICYCLE LOOP DETECTOR SYMBOL

NOTE:

1. Minor variations in dimensions may be accepted by the Engineer.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	0.0/12.6	87	107

Donald E. Howe
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Donald E. Howe — No. C46402 — Exp. 3-31-09 — CIVIL — STATE OF CALIFORNIA

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To accompany plans dated 8/16/10

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS SYMBOLS AND NUMERALS

NO SCALE

RSP A24C DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN A24C DATED MAY 1, 2006 - PAGE 11 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP A24C

2006 REVISED STANDARD PLAN RSP A24C

5-27-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	0.0/12.6	88	107

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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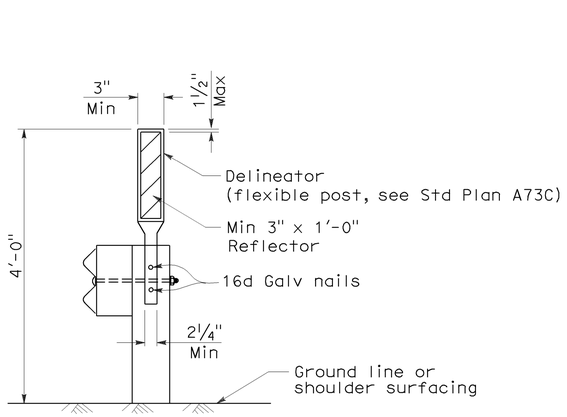
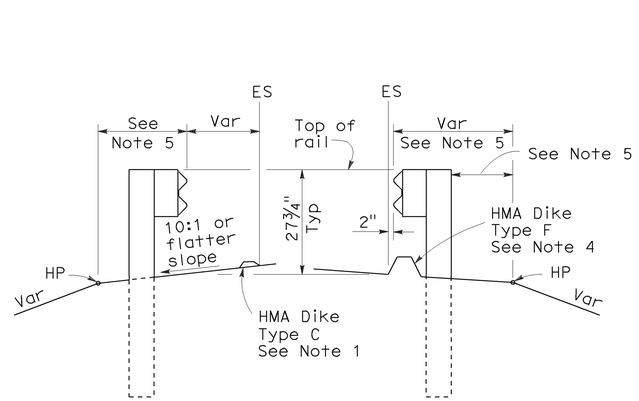
To accompany plans dated 8/16/10

NOTES:

1. When necessary to place dike in front of face of guard railing, only Type C dike may be used. For dike details, see Standard Plan A87B.
2. For standard railing post embedment, see Standard Plans A77C3.
3. Guard railing delineation to be used where shown on the Project Plans.
4. When dike or curb is placed under guard railing, the maximum height of the dike or curb shall be 4". Mountable dike should not be used. For dike and curb details, see Revised Standard Plans RSP A87A and Standard Plan A87B.
5. For details of typical distance between the face of rail and hinge point, see Standard Plan A77C3.



GUARD RAILING DELINEATION
See Note 3



DIKE POSITIONING
See Note 1

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

METAL BEAM GUARD RAILING TYPICAL RAILING DELINEATION AND DIKE POSITIONING DETAILS

NO SCALE

RSP A77C4 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN A77C4
DATED MAY 1, 2006 - PAGE 47 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP A77C4

2006 REVISED STANDARD PLAN RSP A77C4

12-10-07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	0.0/12.6	89	107

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Randell D. Hiatt — No. C50200 — Exp. 6-30-09 — CIVIL — STATE OF CALIFORNIA

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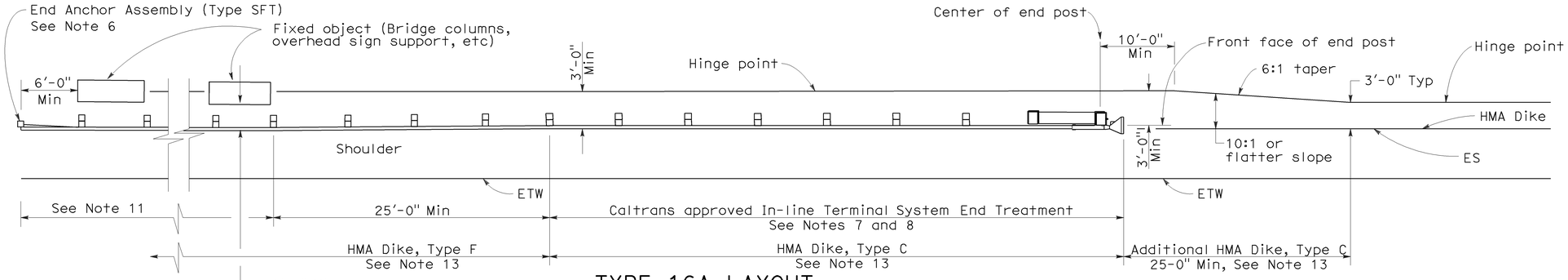
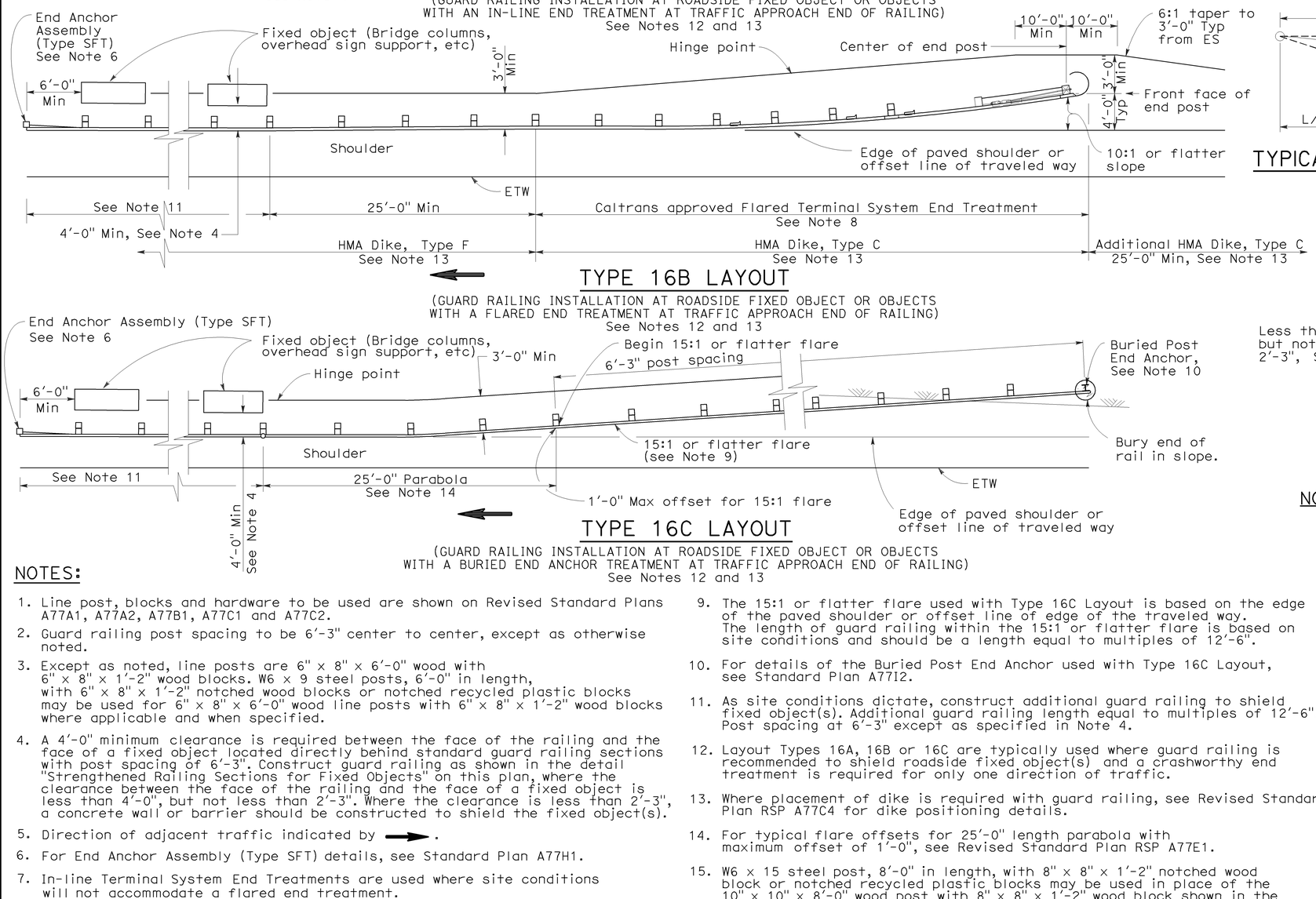
To accompany plans dated 8/16/10



TYPE 16A LAYOUT

(GUARD RAILING INSTALLATION AT ROADSIDE FIXED OBJECT OR OBJECTS WITH AN IN-LINE END TREATMENT AT TRAFFIC APPROACH END OF RAILING)
See Notes 12 and 13

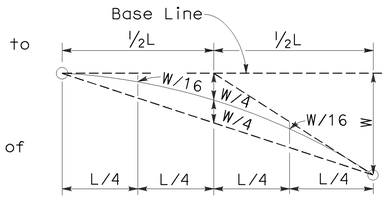


TYPE 16B LAYOUT

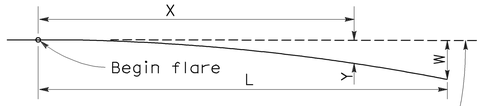
(GUARD RAILING INSTALLATION AT ROADSIDE FIXED OBJECT OR OBJECTS WITH A FLARED END TREATMENT AT TRAFFIC APPROACH END OF RAILING)
See Notes 12 and 13

TYPE 16C LAYOUT

(GUARD RAILING INSTALLATION AT ROADSIDE FIXED OBJECT OR OBJECTS WITH A BURIED END ANCHOR TREATMENT AT TRAFFIC APPROACH END OF RAILING)
See Notes 12 and 13



TYPICAL PARABOLIC LAYOUT

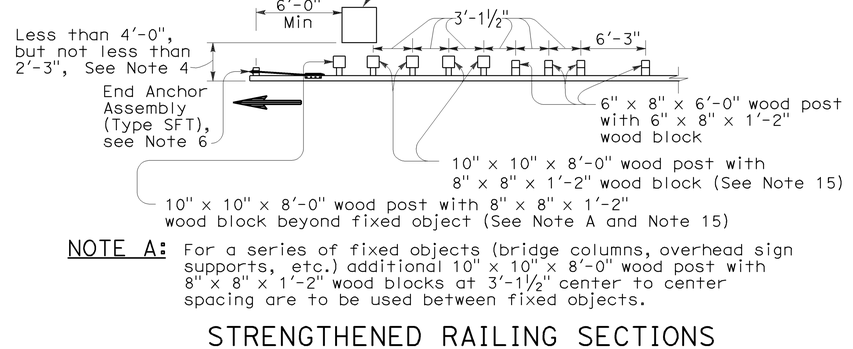


Base Line (Edge of paved shoulder or offset line of edge of traveled way)

$$Y = \frac{WX^2}{L^2}$$

Y = Offset from base line
W = Maximum offset
X = Distance along base line
L = Length of flare

PARABOLIC FLARE OFFSETS



NOTE A: For a series of fixed objects (bridge columns, overhead sign supports, etc.) additional 10" x 10" x 8'-0" wood post with 8" x 8" x 1'-2" wood blocks at 3'-1½" center to center spacing are to be used between fixed objects.

STRENGTHENED RAILING SECTIONS FOR FIXED OBJECT

Use strengthened railing sections with Types 16A, 16B or 16C Layouts where minimum clearance between the face of the guard railing and fixed object(s) is less than 4'-0", but not less than 2'-3". See Note 4

NOTES:

1. Line post, blocks and hardware to be used are shown on Revised Standard Plans A77A1, A77A2, A77B1, A77C1 and A77C2.
2. Guard railing post spacing to be 6'-3" center to center, except as otherwise noted.
3. Except as noted, line posts are 6" x 8" x 6'-0" wood with 6" x 8" x 1'-2" wood blocks. W6 x 9 steel posts, 6'-0" in length, with 6" x 8" x 1'-2" notched wood blocks or notched recycled plastic blocks may be used for 6" x 8" x 6'-0" wood line posts with 6" x 8" x 1'-2" wood blocks where applicable and when specified.
4. A 4'-0" minimum clearance is required between the face of the railing and the face of a fixed object located directly behind standard guard railing sections with post spacing of 6'-3". Construct guard railing as shown in the detail "Strengthened Railing Sections for Fixed Objects" on this plan, where the clearance between the face of the railing and the face of a fixed object is less than 4'-0", but not less than 2'-3". Where the clearance is less than 2'-3", a concrete wall or barrier should be constructed to shield the fixed object(s).
5. Direction of adjacent traffic indicated by ⟶.
6. For End Anchor Assembly (Type SFT) details, see Standard Plan A77H1.
7. In-line Terminal System End Treatments are used where site conditions will not accommodate a flared end treatment.
8. The type of terminal system to be used will be shown on the Project Plans.
9. The 15:1 or flatter flare used with Type 16C Layout is based on the edge of the paved shoulder or offset line of edge of the traveled way. The length of guard railing within the 15:1 or flatter flare is based on site conditions and should be a length equal to multiples of 12'-6".
10. For details of the Buried Post End Anchor used with Type 16C Layout, see Standard Plan A77I2.
11. As site conditions dictate, construct additional guard railing to shield fixed object(s). Additional guard railing length equal to multiples of 12'-6". Post spacing at 6'-3" except as specified in Note 4.
12. Layout Types 16A, 16B or 16C are typically used where guard railing is recommended to shield roadside fixed object(s) and a crashworthy end treatment is required for only one direction of traffic.
13. Where placement of dike is required with guard railing, see Revised Standard Plan RSP A77C4 for dike positioning details.
14. For typical flare offsets for 25'-0" length parabola with maximum offset of 1'-0", see Revised Standard Plan RSP A77E1.
15. W6 x 15 steel post, 8'-0" in length, with 8" x 8" x 1'-2" notched wood block or notched recycled plastic blocks may be used in place of the 10" x 10" x 8'-0" wood post with 8" x 8" x 1'-2" wood block shown in the "Strengthened Railing Sections Detail".

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

METAL BEAM GUARD RAILING TYPICAL LAYOUTS FOR ROADSIDE FIXED OBJECTS

NO SCALE

RSP A77G3 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN A77G3 DATED MAY 1, 2006 - PAGE 61 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP A77G3

2006 REVISED STANDARD PLAN RSP A77G3

12-10-07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	0.0/12.6	90	107

William K. Farnbach
REGISTERED CIVIL ENGINEER

May 15, 2009
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — William K. Farnbach — No. C49042 — Exp. 9-30-10 CIVIL — STATE OF CALIFORNIA

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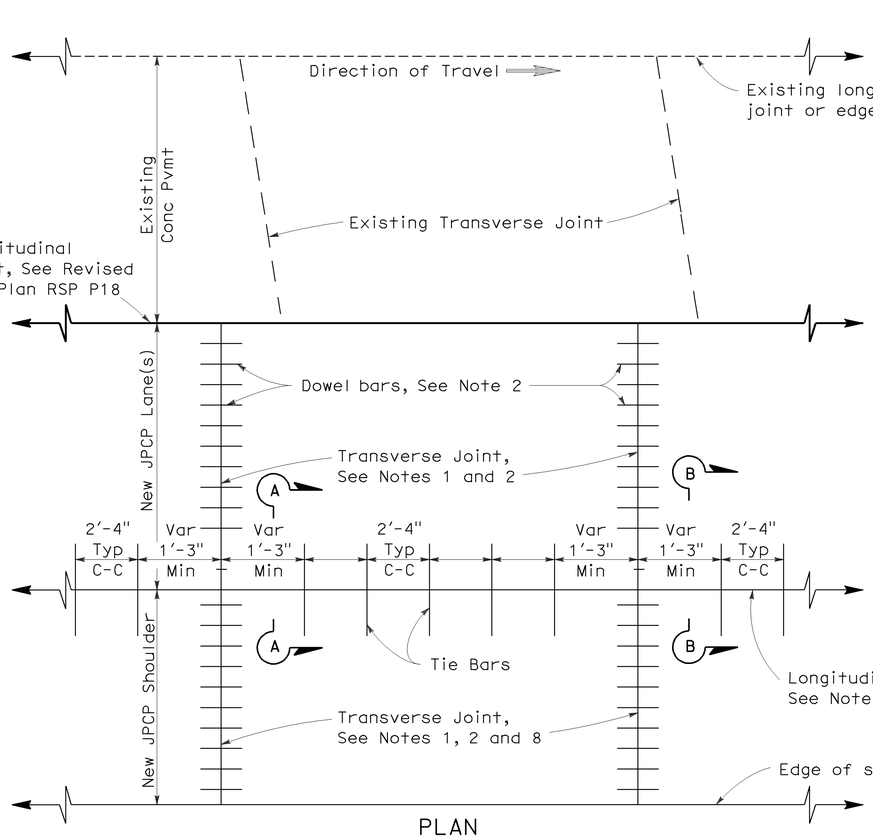
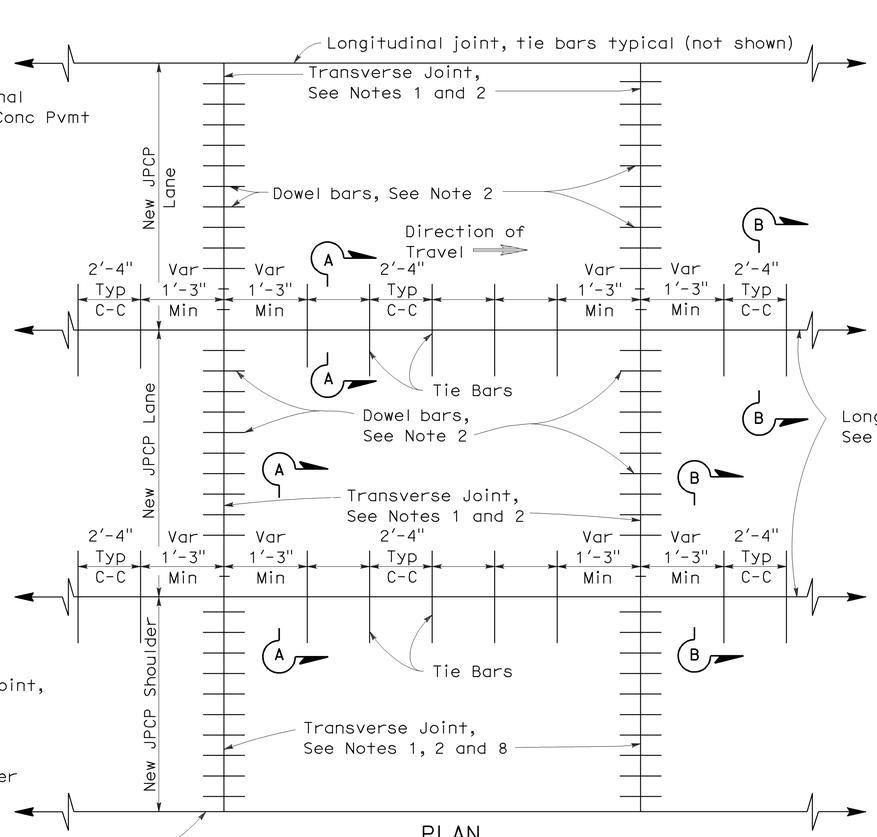
To accompany plans dated 8/16/10



PLAN

LANE/SHOULDER ADDITION OR RECONSTRUCTION

See Notes 6 and 7



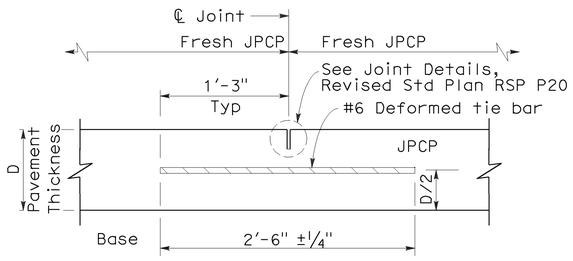
PLAN

NEW CONSTRUCTION

See Notes 6 and 7

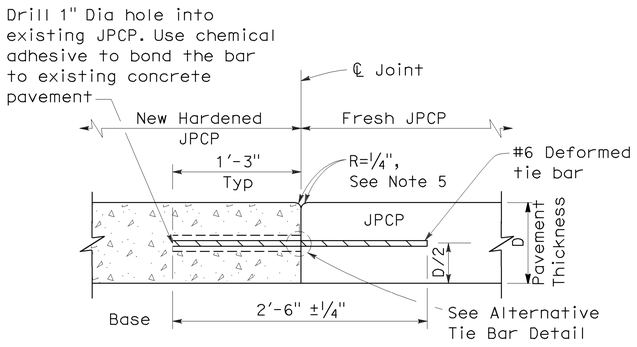
NOTES:

1. Transverse joints shall be constructed at right angles to the longitudinal pavement joints in new jointed plain concrete pavement and spaced at successive repeated intervals of 12', 15', 13' and 14'.
2. For transverse joint and dowel bar details not shown, See Revised Standard Plan RSP P10.
3. Construct longitudinal contraction joints as shown in Section A-A when more than one lane or shoulder widths are placed at one time. If constructing one lane at a time, use longitudinal construction joint, as shown in Section B-B.
4. For additional longitudinal joint details, see Revised Standard Plan RSP P18.
5. If fresh concrete is placed adjacent to existing concrete, the top corner of the new hardened concrete does not need to be rounded to the 1/4" radius as shown.
6. Joint spacing patterns do not apply to intersections.
7. Details can also apply to inside widening.
8. Dowel bars may be omitted from shoulders when the shoulder cross slope is not the same as the adjacent traffic lane.



SECTION A-A

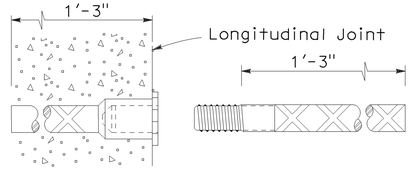
LONGITUDINAL CONTRACTION JOINT



SECTION B-B

LONGITUDINAL CONSTRUCTION JOINT

TIE BAR DETAILS



ALTERNATIVE TIE BAR SPLICE DETAIL

(Splice Coupler)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

JOINTED PLAIN CONCRETE PAVEMENT

NO SCALE

RSP P1 DATED MAY 15, 2009 SUPERSEDES STANDARD PLAN P1
DATED MAY 1, 2006 - PAGE 119 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP P1

2006 REVISED STANDARD PLAN RSP P1

5-8-09

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	0.0/12.6	91	107

William K. Farnbach
REGISTERED CIVIL ENGINEER

June 5, 2009
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — William K. Farnbach — No. C49042 — Exp. 9-30-10 — CIVIL — STATE OF CALIFORNIA

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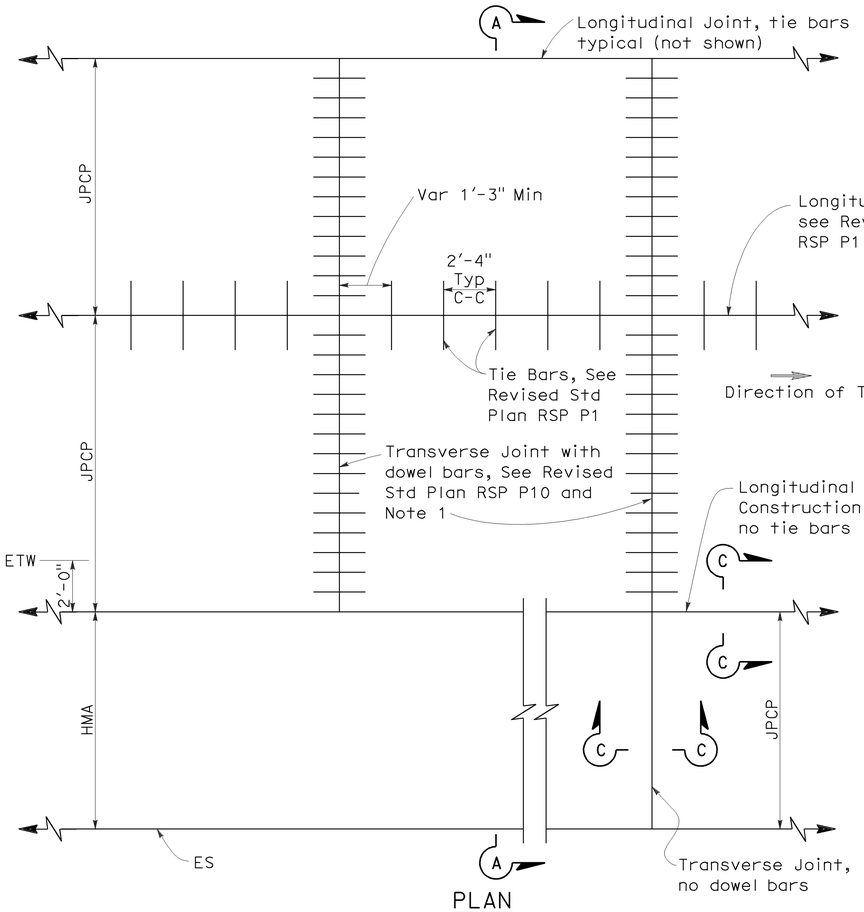
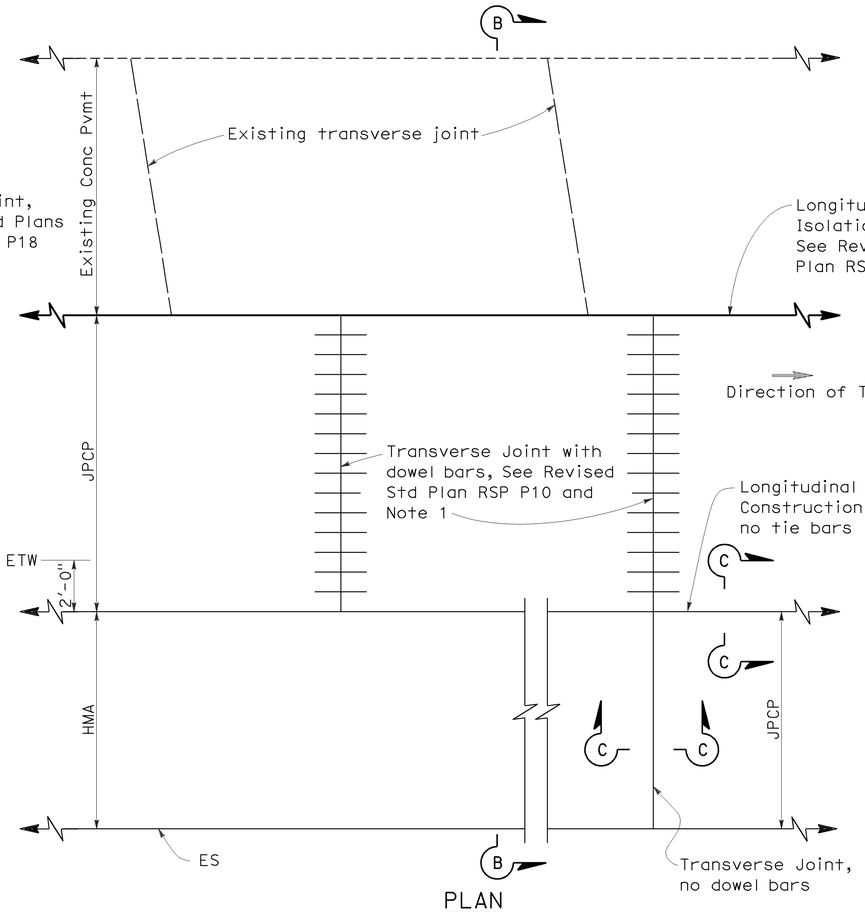
To accompany plans dated 8/16/10



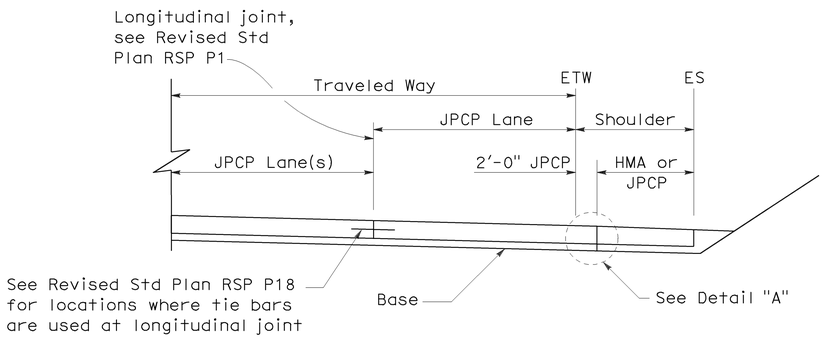
PLAN

NEW CONSTRUCTION

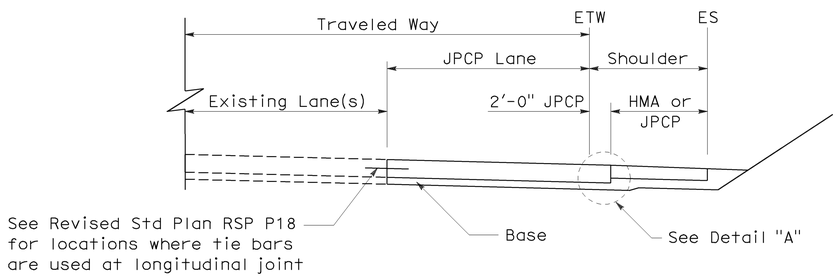


PLAN

LANE/SHOULDER ADDITION OR RECONSTRUCTION



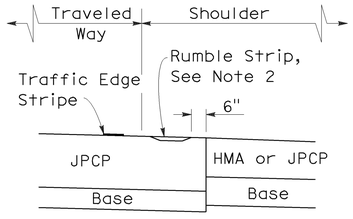
SECTION A-A



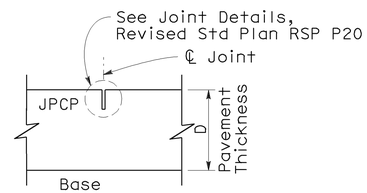
SECTION B-B

NOTES:

1. Transverse joints shall be constructed at right angles to the longitudinal pavement joints in new Jointed Plain Concrete Pavement and spaced at successive repeated intervals of 12', 15', 13' and 14'.
2. For locations of rumble strips, see project plans. For rumble strip details not shown, see Standard Plans A40A and A40B.
3. Joint spacing patterns do not apply to intersections.



DETAIL "A"



SECTION C-C

TRANSVERSE/LONGITUDINAL JOINT

(no dowel bars/tie bars)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

JOINTED PLAIN CONCRETE PAVEMENT-WIDENED SLAB DETAILS

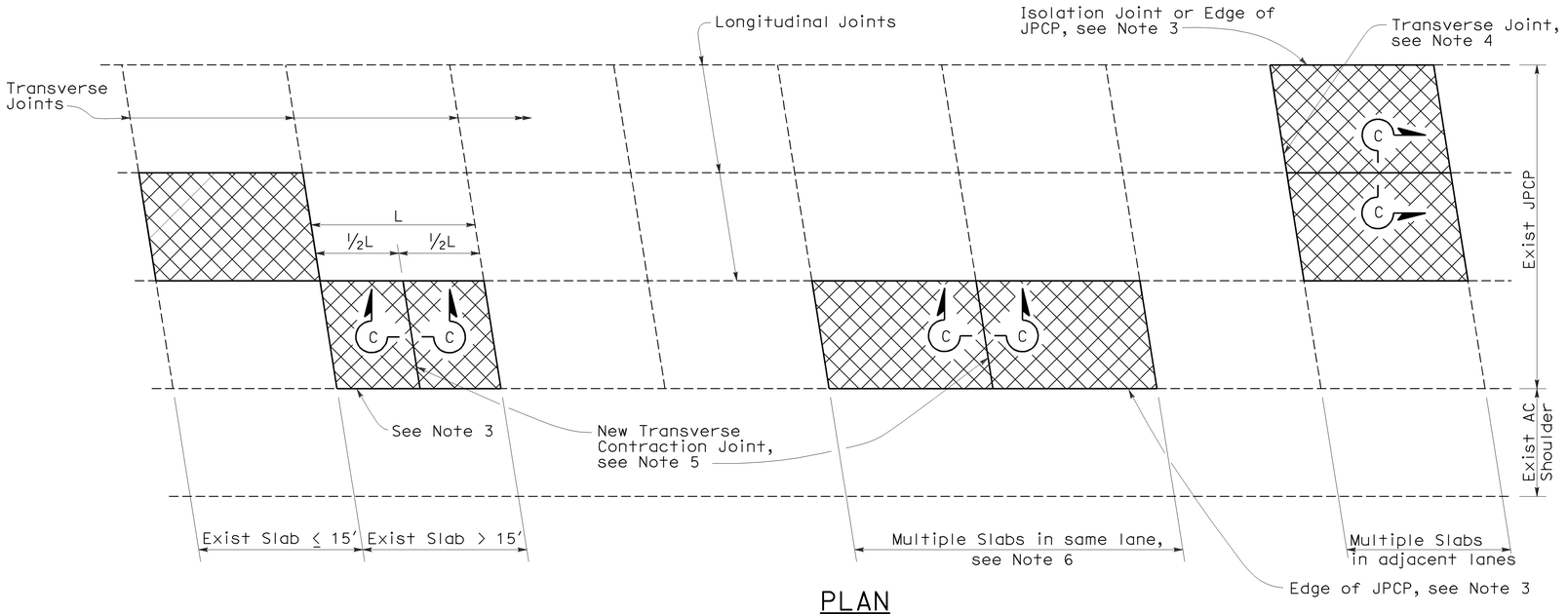
NO SCALE

RSP P2 DATED JUNE 5, 2009 SUPERCEDES STANDARD PLAN P2
DATED MAY 1, 2006 - PAGE 120 OF THE STANDARD PLANS BOOK DATED MAY 2006.

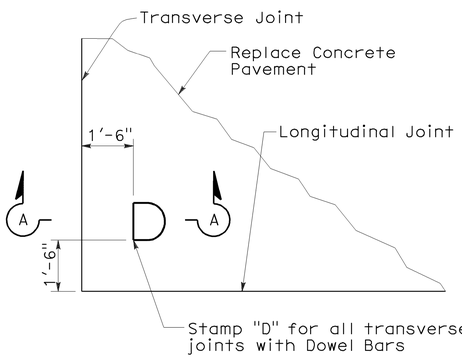
REVISED STANDARD PLAN RSP P2

2006 REVISED STANDARD PLAN RSP P2

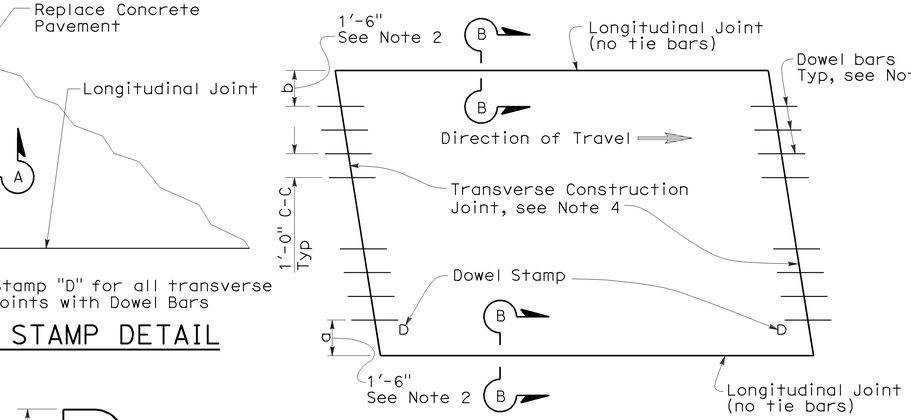
5-19-09



PLAN

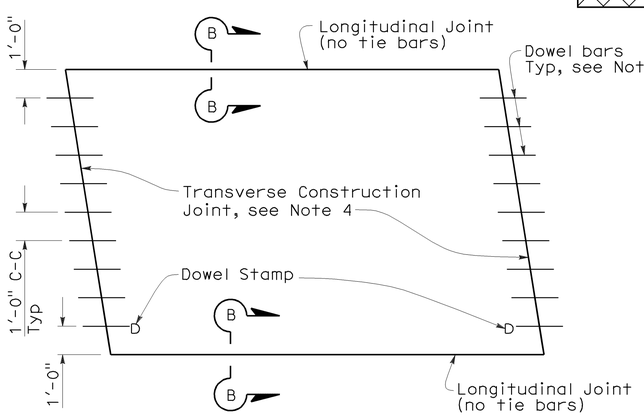


DOWEL STAMP DETAIL



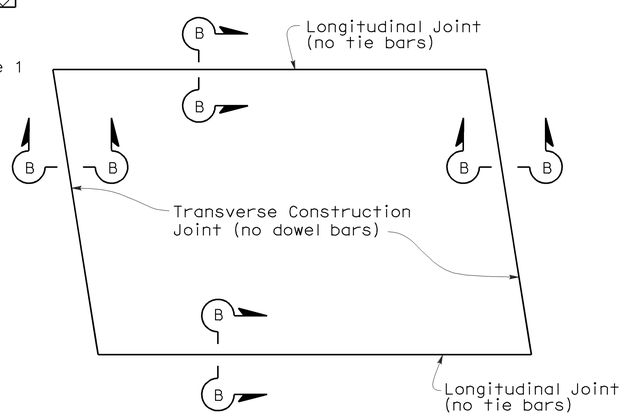
TYPE I

(traffic lane lines match longitudinal joints)



TYPE II

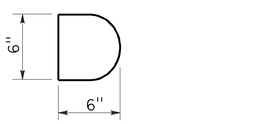
(traffic lane lines do not match longitudinal joints)

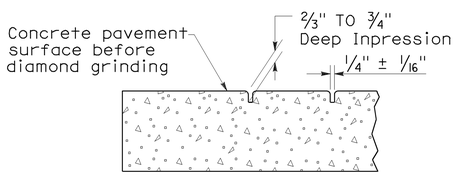


TYPE III

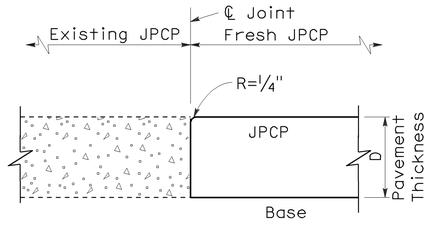
(for short term repairs < 5 yrs design life or for slab replacements with a cracking and seating operation)

SLAB LAYOUT

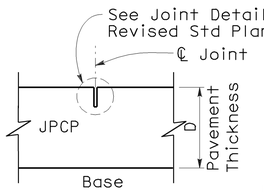




SECTION A-A



SECTION B-B



SECTION C-C

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	0.0/12.6	92	107

William K. Farnbach
REGISTERED CIVIL ENGINEER

May 15, 2009
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — William K. Farnbach — No. C49042 — Exp. 9-30-10 CIVIL — STATE OF CALIFORNIA

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To accompany plans dated 8/16/10

NOTES:

1. For details not shown, see Revised Standard Plan RSP P10.
2. Where the existing outer shoulder pavement is asphalt concrete pavement, the "a" dimension shall be 1′-0" and the "b" dimension shall be 2′-0".
3. Side forms shall be used where edge of pavement is adjacent to asphalt concrete.
4. For detail, see Transverse Construction Joint for existing concrete pavement detail on Revised Standard Plan RSP P10.
5. Transverse joint to match skew of existing joint. Omit dowel bars.
6. This Standard Plan only applicable when replacing multiple slabs in the same lane is less than 100′.

LEGEND

Replace Concrete Pavement (See Slab Layout Detail)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

JOINTED PLAIN CONCRETE PAVEMENT-INDIVIDUAL SLAB REPLACEMENT

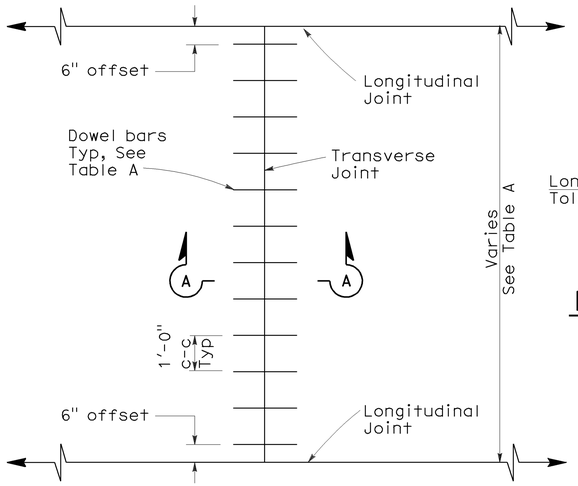
NO SCALE

RSP P8 DATED MAY 15, 2009 SUPERSEDES RSP P8 DATED SEPTEMBER 1, 2006 AND STANDARD PLAN P8 DATED MAY 1, 2006 - PAGE 123 OF THE STANDARD PLANS BOOK DATED MAY 2006.

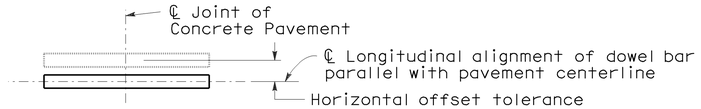
REVISED STANDARD PLAN RSP P8

2006 REVISED STANDARD PLAN P8

5-8-09

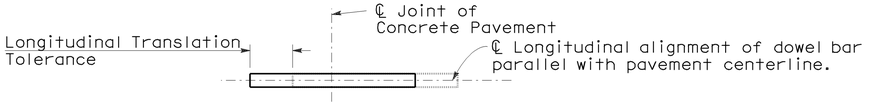


TRANSVERSE JOINT DOWEL BAR LAYOUT



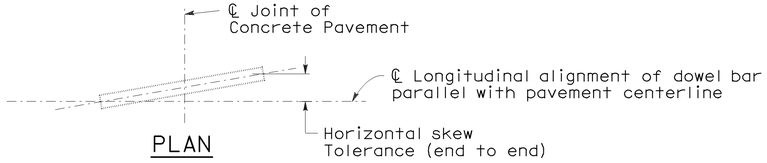
PLAN

HORIZONTAL OFFSET TOLERANCE



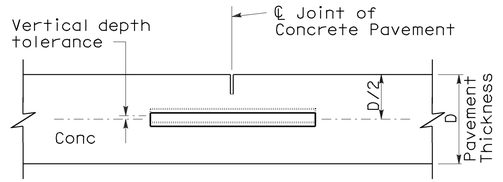
PLAN

LONGITUDINAL TRANSLATION TOLERANCE



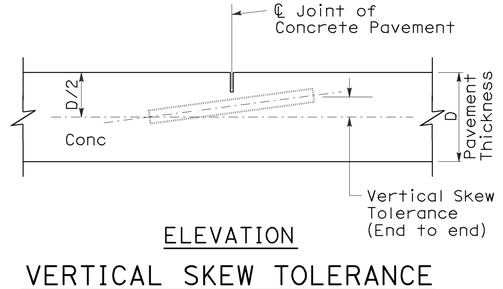
PLAN

HORIZONTAL SKEW TOLERANCE



ELEVATION

VERTICAL DEPTH TOLERANCE



ELEVATION

VERTICAL SKEW TOLERANCE

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	0.0/12.6	93	107

William K. Farnbach
REGISTERED CIVIL ENGINEER

May 15, 2009
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — William K. Farnbach — No. C49042 — Exp. 9-30-10 CIVIL — STATE OF CALIFORNIA

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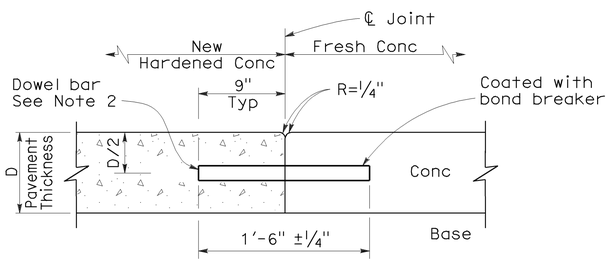
To accompany plans dated 8/16/10

NOTES:

1. See Revised Standard Plan RSP P1 for typical dowel bar placement and locations.
2. 1½" Dia smooth dowel bars are to be used with a pavement thickness, D, equal to or greater than 0.70 feet. For pavement thickness, D, less than 0.70 feet, use 1¼" Dia smooth dowel bars.
3. For widths not shown, see Project Plans.
4. If fresh concrete pavement is placed adjacent to existing concrete pavement, the top corner of the existing concrete pavement does not need to be rounded to the ¼" radius, as shown.

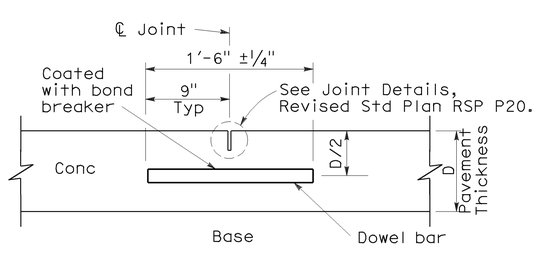
TABLE A (See Note 3)

Dowel Bar Transverse Spacing Table	
Width between Longitudinal Joints	Number of Dowels between Longitudinal Joints
14'-0"	14
13'-0"	13
12'-0"	12
11'-0"	11
10'-0"	10
8'-0"	8
5'-0"	5
4'-0"	4

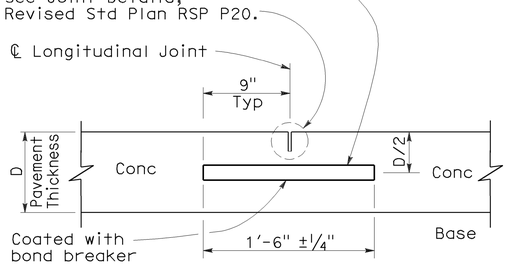


SECTION A-A

TRANSVERSE CONSTRUCTION JOINT DETAIL

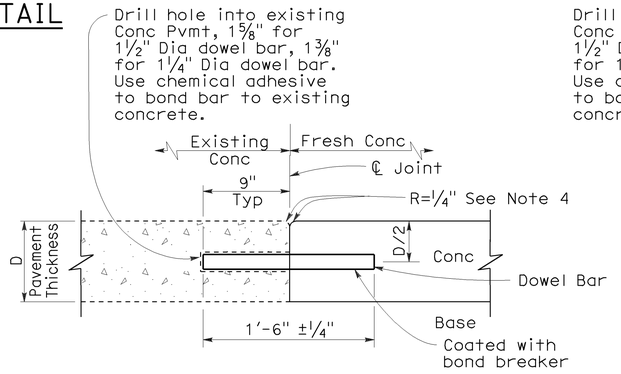


TRANSVERSE CONTRACTION JOINT



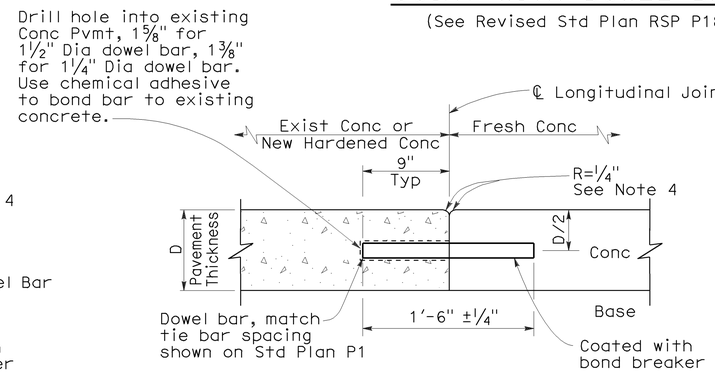
LONGITUDINAL CONTRACTION JOINT WITH DOWEL BARS

(See Revised Std Plan RSP P18)



TRANSVERSE CONSTRUCTION JOINT FOR EXISTING CONCRETE PAVEMENT

(Drill and bond locations)



LONGITUDINAL CONSTRUCTION JOINT WITH DOWEL BARS

(See Revised Std Plan RSP P18)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT-DOWEL BAR DETAILS

NO SCALE

RSP P10 DATED MAY 15, 2009 SUPERSEDES STANDARD PLAN P10
DATED MAY 1, 2006 - PAGE 124 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP P10

2006 REVISED STANDARD PLAN RSP P10

5-8-09

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	0.0/12.6	94	107

William K. Farnbach
REGISTERED CIVIL ENGINEER

June 5, 2009
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — William K. Farnbach — No. C49042 — Exp. 9-30-10 — CIVIL — STATE OF CALIFORNIA

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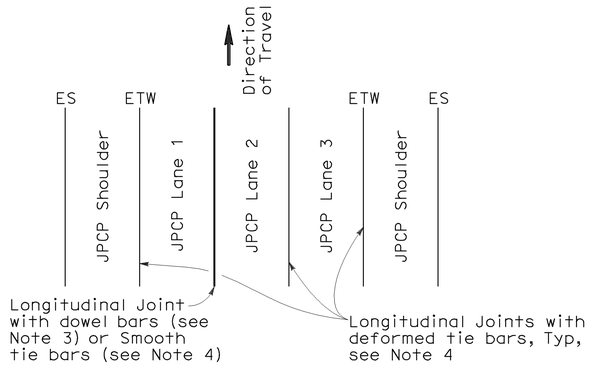
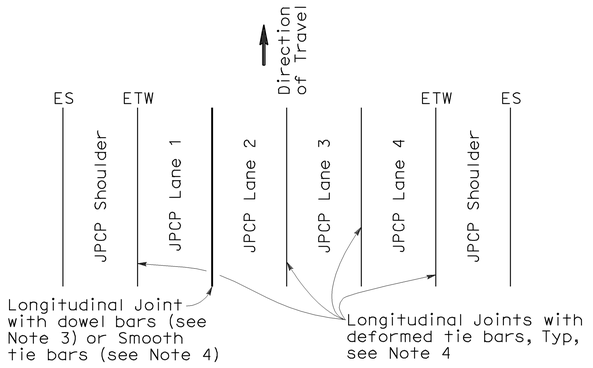
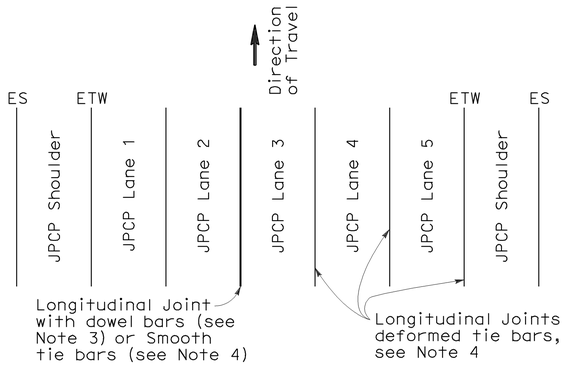
To accompany plans dated 8/16/10



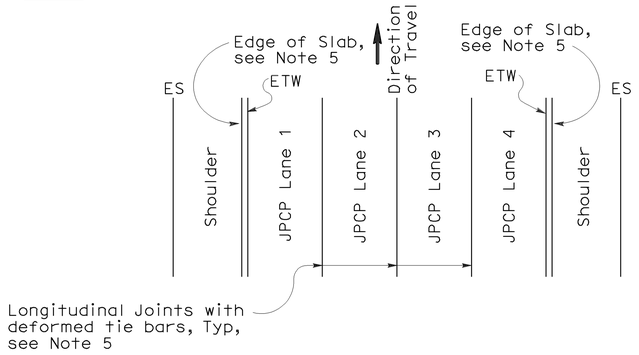
3 LANES WITH TIED CONCRETE SHOULDERS
PLAN



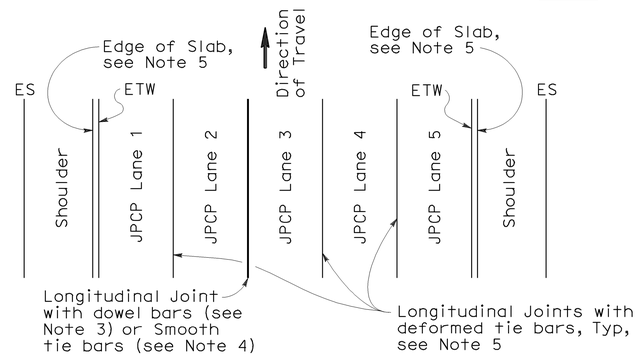
4 LANES WITH TIED CONCRETE SHOULDERS
PLAN



5 LANES WITH TIED CONCRETE SHOULDERS
PLAN



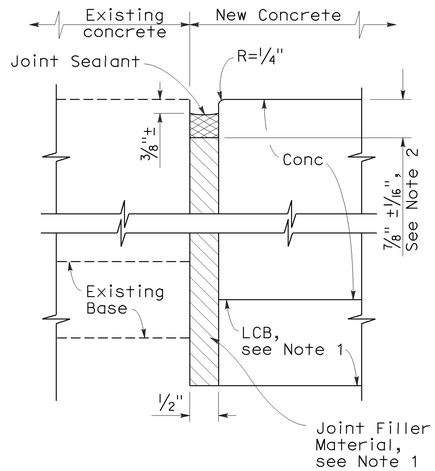
4 LANES OR LESS WITH WIDENED SLAB
PLAN



5 LANES WITH WIDENED SLAB
PLAN

NOTES:

1. Where Lean Concrete Base is not used as base material, the joint filler material used for the longitudinal isolation joint shall only extend to the bottom of the new concrete slab. See Detail A.
2. Use $\frac{5}{8}$" $\pm\frac{1}{16}$" dimension for silicone sealant.
3. See Revised Standard Plan RSP P10 for longitudinal joint with dowel bars.
4. See Revised Standard Plan RSP P1.
5. See Revised Standard Plan RSP P2.

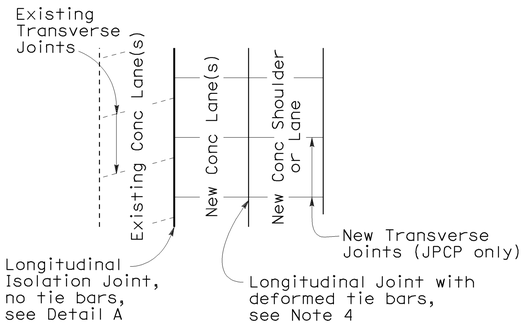


DETAIL A

ISOLATION JOINT

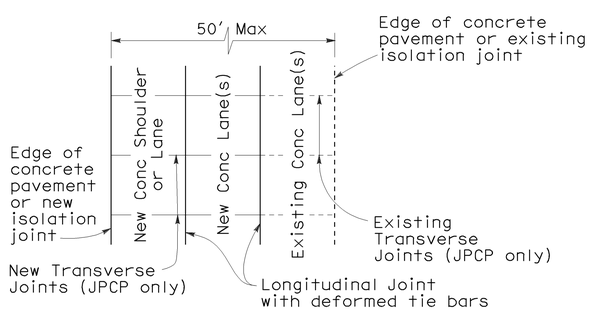
NEW CONSTRUCTION

Location of Longitudinal Joints
(For JPCP)



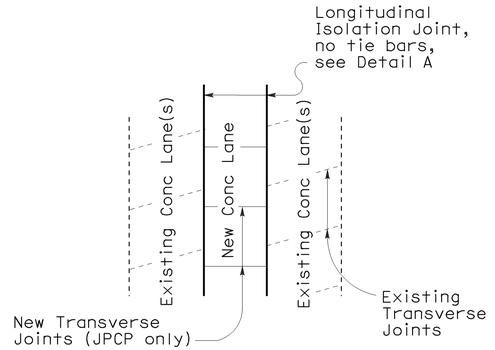
CASE 1
PLAN

Transverse Joints do not align between new and existing



CASE 2
PLAN

Transverse Joints align between new and existing



CASE 3 (INTERIOR LANE REPLACEMENT)
PLAN

Transverse Joints do not align between new and existing

LANE/SHOULDER ADDITION OR RECONSTRUCTION

(For JPCP and CRCP)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT-LANE SCHEMATICS AND ISOLATION JOINT DETAIL

NO SCALE

RSP P18 DATED JUNE 5, 2009 SUPERSEDES RSP P18 DATED MAY 15, 2009, RSP P18 DATED NOVEMBER 17, 2006 AND STANDARD PLAN P18 DATED MAY 1, 2006 - PAGE 127 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP P18

2006 REVISED STANDARD PLAN RSP P18

5-14-09

NOTE:

1. Tie bars, dowel bars, and reinforcement are not shown in joint seal details, see Revised Standard Plans RSP P1, RSP P3, RSP P10, RSP P35, RSP P45, or RSP P46 as applicable.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	0.0/12.6	95	107

William K. Farnbach
REGISTERED CIVIL ENGINEER

May 15, 2009
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — William K. Farnbach — No. C49042 — Exp. 9-30-10 CIVIL — STATE OF CALIFORNIA

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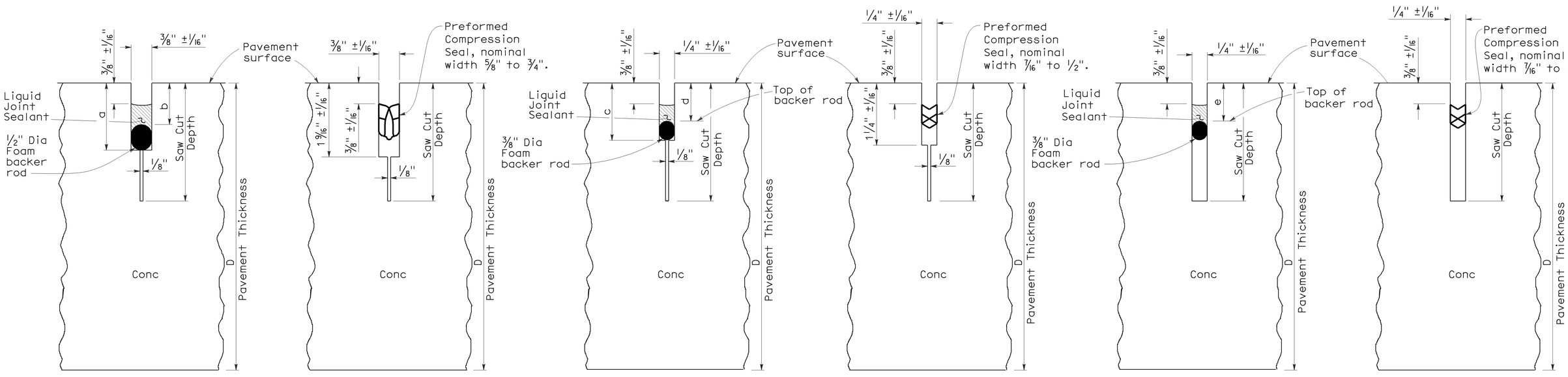
To accompany plans dated 8/16/10

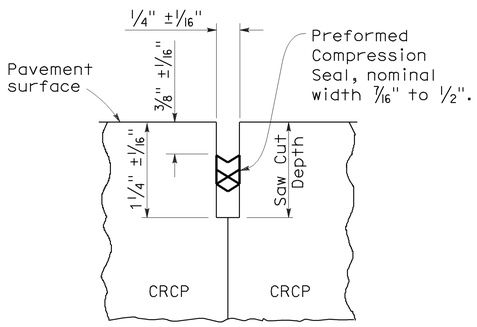


LIQUID SEALANT | COMPRESSION SEAL | LIQUID SEALANT | COMPRESSION SEAL | LIQUID SEALANT | COMPRESSION SEAL

TYPE A1
Transverse Contraction Joints

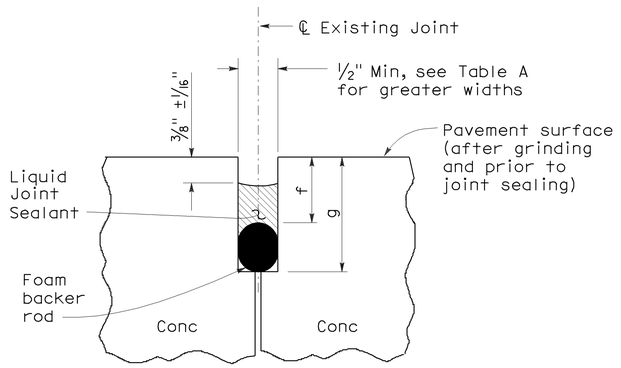
TYPE A2
Longitudinal Contraction Joints

TYPE B
Longitudinal or Transverse Contraction Joint



COMPRESSION SEAL

TYPE C
Transverse and Longitudinal Construction Joints (For CRCP)



LIQUID SEALANT

TYPE R
Retrofit Transverse and Longitudinal Joints

LIQUID SEALANT RESERVOIR DEPTH

LIQUID SEALANT MATERIAL	3/8" Joint Width Type A1		1/4" Joint Width Type A2		1/4" Joint Width Type B
	DIMENSION		DIMENSION		DIMENSION
	a	b	c	d	e
SILCONE	1" ±1/16"	5/8" ±1/16"	15/16" ±1/16"	9/16" ±1/16"	9/16" ±1/16"
ASPHALT RUBBER	1 3/16" ±1/16"	3/4" ±1/16"	1 1/16" ±1/16"	11/16" ±1/16"	11/16" ±1/16"

TABLE A (TYPE R JOINT)

Sawn Joint Width	Backer Rod Diameter ± 1/16"	DIMENSION "f"	DIMENSION "g"
1"	1 5/16"	7/8"	2 1/4"
7/8"	1 3/16"	13/16"	2"
3/4"	1"	3/4"	1 3/4"
5/8"	7/8"	11/16"	1 1/2"
1/2"	11/16"	5/8"	1 1/4"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT-JOINT DETAILS

NO SCALE

RSP P20 DATED MAY 15, 2009 SUPERSEDES STANDARD PLAN P20 DATED MAY 1, 2006 - PAGE 128 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP P20

2006 REVISED STANDARD PLAN RSP P20

5-8-09

NOTES:

1. Details for gore area paving are applicable to both exit and entrance ramps.
2. Transverse Joint Layouts are not shown. Refer to Revised Standard Plan RSP P1 or Project Plans for details regarding joint layouts, tie bars, and dowel bars not shown.
3. WWF 4 x 4 - W4.0 x W4.0 can be used in place of steel reinforcement for gore area paving only.
4. Omit longitudinal joint when concrete on ramp shoulder is less than 3'-0".
5. Place joint perpendicular to ramp longitudinal joints. Match location of joint with ramp transverse joints.
6. Place joint perpendicular to ramp longitudinal joints. Match location of joint with mainline transverse joints.
7. Isolation joint detail shown on Revised Standard Plan RSP P18.
8. For jointed plain concrete pavement, transverse joints to be spaced from fixed transverse joint and shall follow spacing pattern on Revised Standard Plan RSP P1. Minimum spacing shall be 6 feet.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	0.0/12.6	96	107

William K. Farnbach
REGISTERED CIVIL ENGINEER

May 15, 2009
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — William K. Farnbach — No. C49042 — Exp. 9-30-10 CIVIL — STATE OF CALIFORNIA

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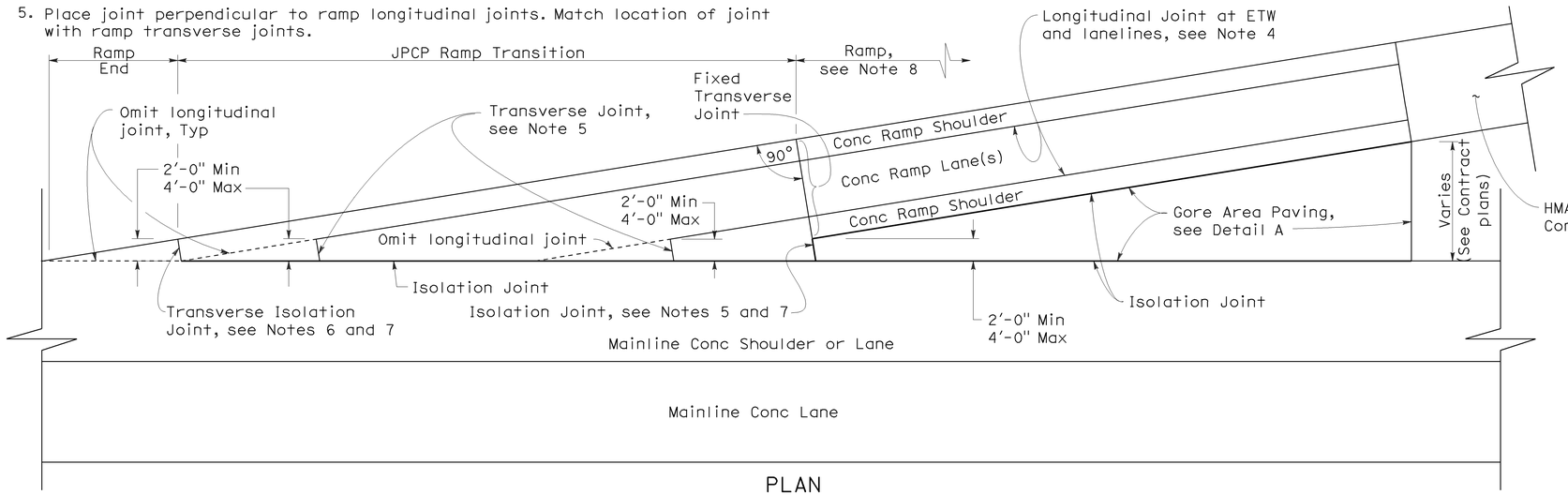
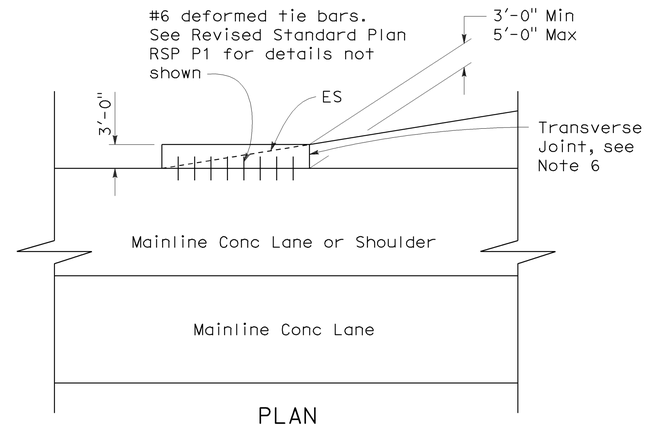
To accompany plans dated 8/16/10



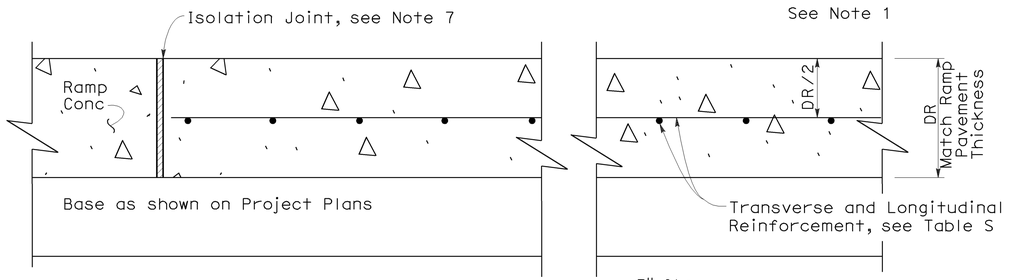
PLAN

RAMP TRANSITION DETAIL

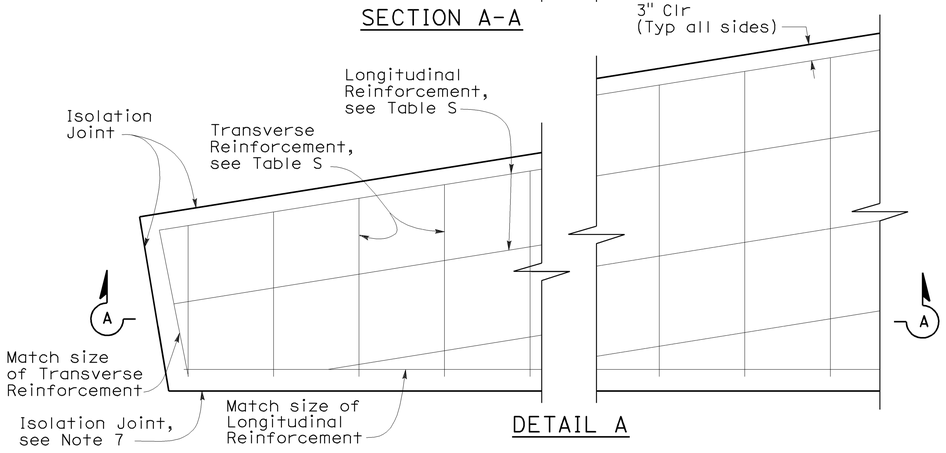


PLAN

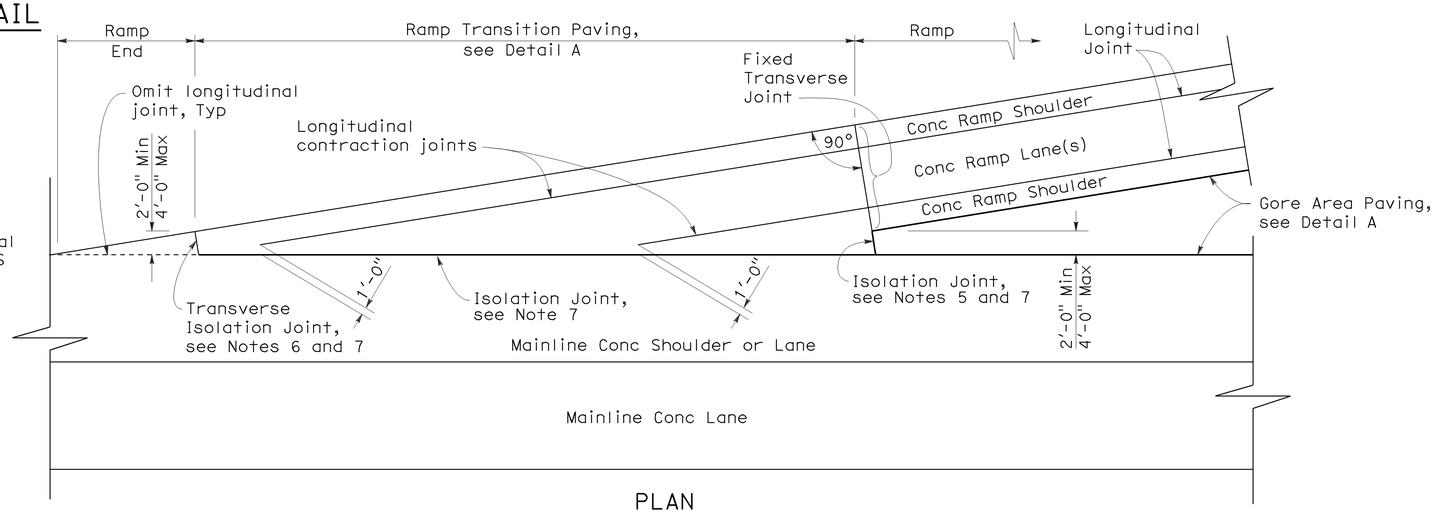
ALTERNATE RAMP END DETAIL



SECTION A-A



DETAIL A



PLAN

ALTERNATE RAMP TRANSITION DETAIL

(For JPCP and CRCP)

TABLE S

Location	Transverse Reinf	Longitudinal Reinf
Gore Area Paving	#4 @ 1'-0" *	#4 @ 1'-0" *
Ramp Transition (JPCP)	#6 @ 1'-6"	#6 @ 9"
Ramp Transition (CRCP)	See NSP P4, Table No. 2	See NSP P4, Table No. 1

* See Note 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT-RAMP TRANSITION PAVING DETAILS

NO SCALE

RSP P35 DATED MAY 15, 2009 SUPERSEDES STANDARD PLAN P35 DATED MAY 1, 2006 - PAGE 131 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP P35

2006 REVISED STANDARD PLAN RSP P35

5-8-09

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	0.0/12.6	97	107

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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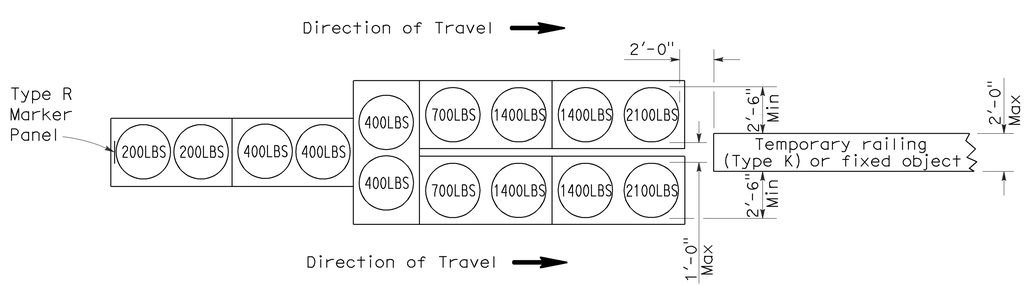
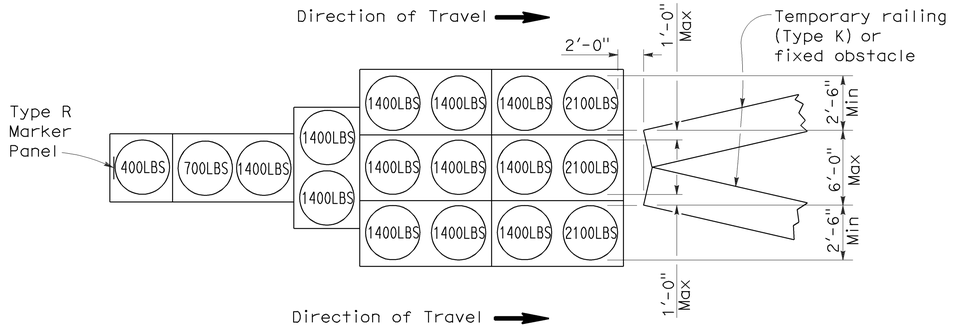
To accompany plans dated 8/16/10



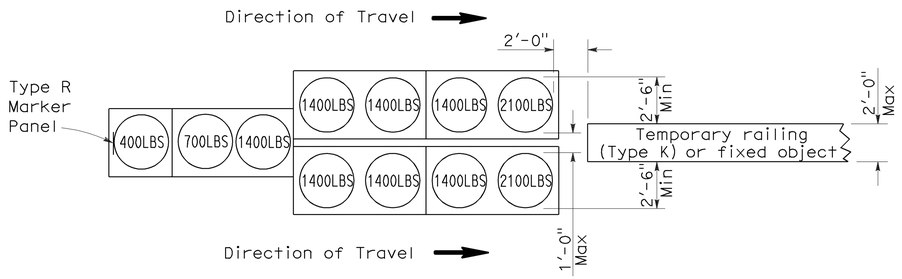
ARRAY 'TU14'

Approach speed 45 mph or more



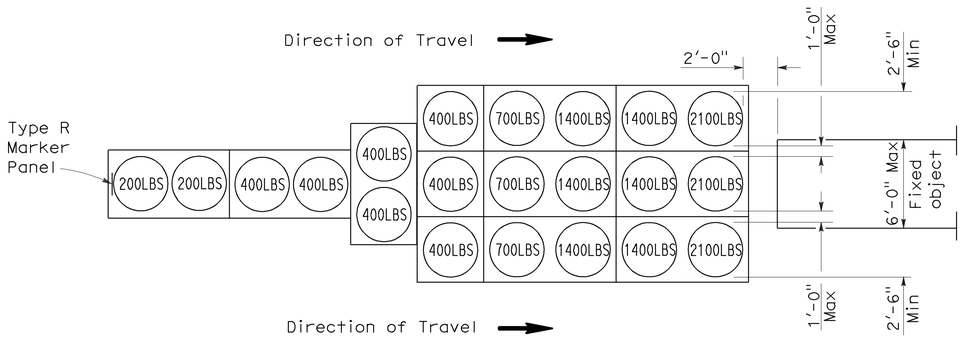
ARRAY 'TU17'

Approach speed less than 45 mph



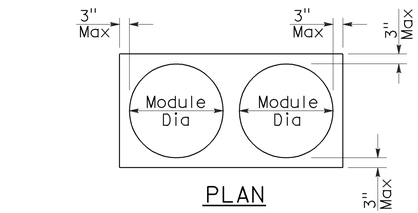
ARRAY 'TU11'

Approach speed less than 45 mph

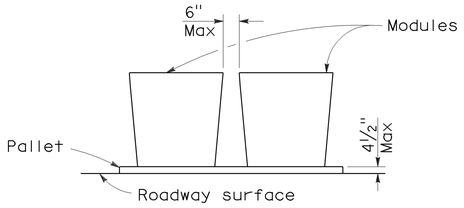


ARRAY 'TU21'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the top of Type R marker panel 1" below the module lid.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (UNIDIRECTIONAL)

NO SCALE

RSP T1A DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1A
DATED MAY 1, 2006 - PAGE 211 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1A

2006 REVISED STANDARD PLAN RSP T1A

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	0.0/12.6	98	107

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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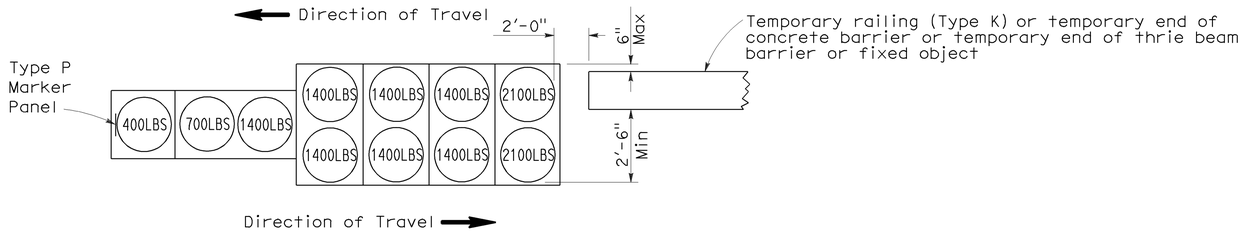
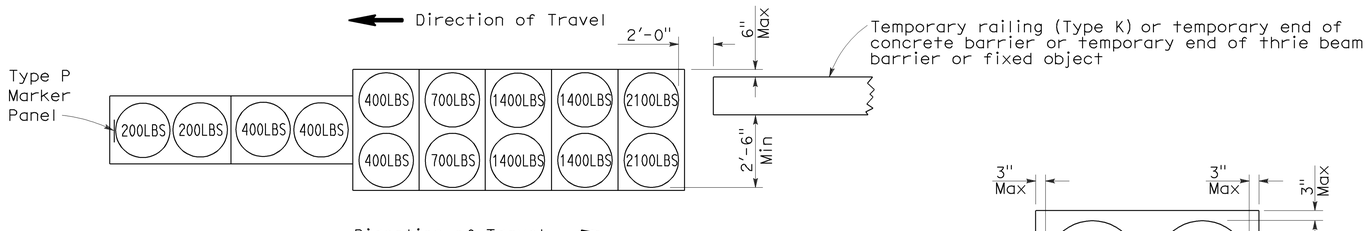
REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 8/16/10



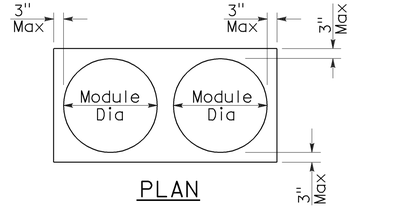
ARRAY 'TB11'

Approach speed less than 45 mph

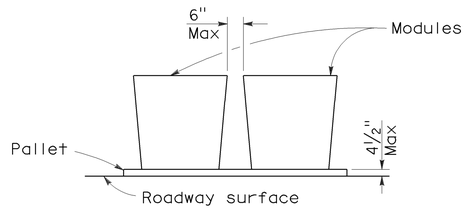


ARRAY 'TB14'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the Type P marker panel so that the bottom of the panel rests upon the pallet.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (BIDIRECTIONAL)

NO SCALE

RSP T1B DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1B
DATED MAY 1, 2006 - PAGE 212 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	0.0/12.6	99	107

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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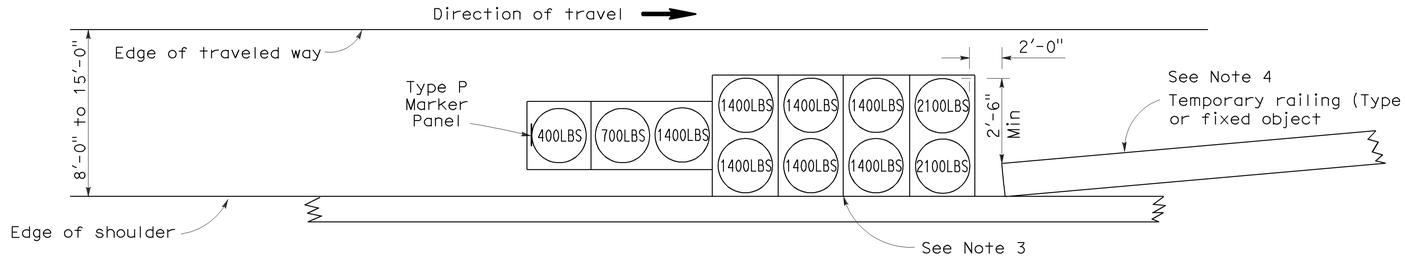
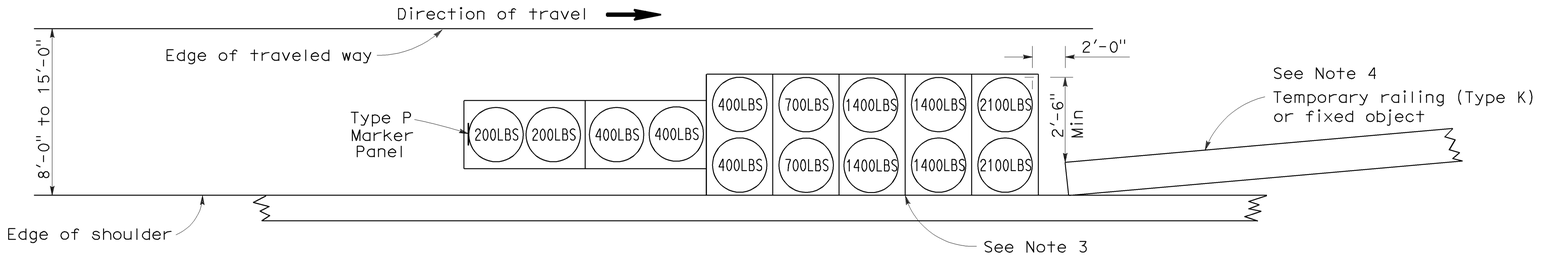
To accompany plans dated 8/16/10



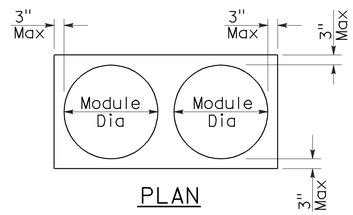
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

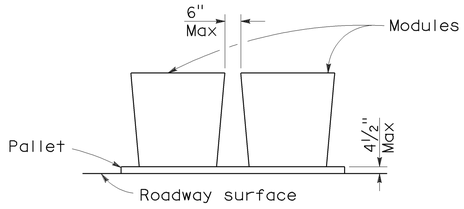


ARRAY 'TS14'

Approach speed 45 mph or more
See Note 9



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 11

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. The temporary crash cushion arrays shown on this plan shall be used only in locations where there will be traffic on one side of the temporary crash cushion array.
4. If the fixed object or approach end of the temporary railing is less than 15'-0" from the edge of traveled way, a temporary crash cushion is required in a construction or work zone.
5. Temporary crash cushion arrays shall not encroach on the traveled way.
6. Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
7. Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
8. Refer to Standard Plan A73B for marker details.
9. For shoulder widths less than 8'-0", appropriate approved crash cushion protection, other than sand filled modules, shall be provided at fixed objects and at approach ends of temporary railing. The specific type of crash cushion shall be as shown on the project plans or as specified in the Special Provisions, or if not shown on the project plans or specified in the Special Provisions, shall be as approved by the Engineer.
10. Approach speeds indicated conform to NCHRP 350 Report criteria.
11. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (SHOULDER INSTALLATIONS)

NO SCALE

RSP T2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T2
DATED MAY 1, 2006 - PAGE 213 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	101	0.0/12.6	100	107

Greg W. Edwards
REGISTERED CIVIL ENGINEER

November 17, 2006
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Greg W. Edwards — No. C36386 — Exp. 6-30-08 — CIVIL — STATE OF CALIFORNIA

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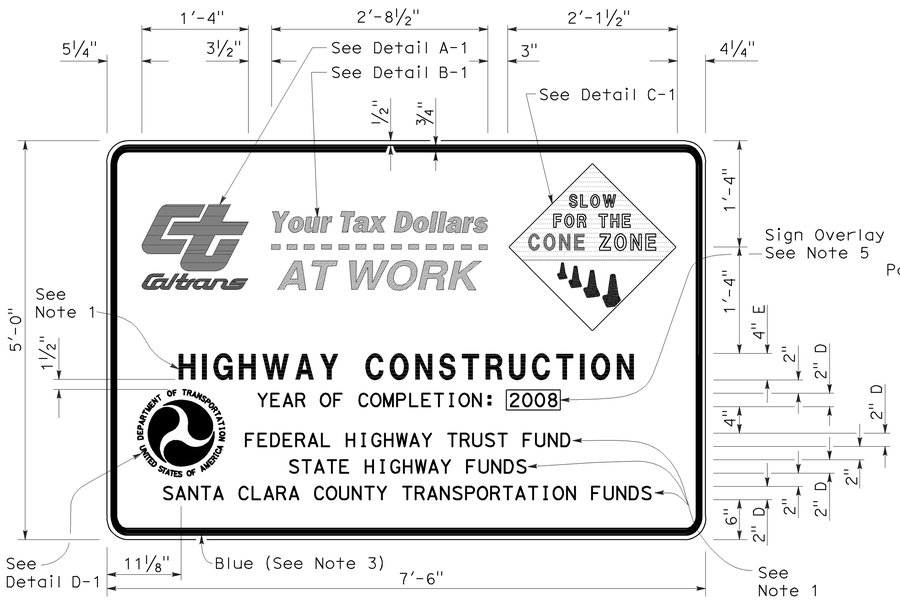
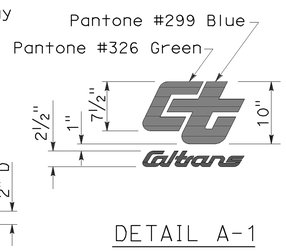
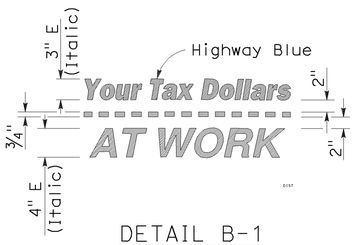
To accompany plans dated 8/16/10



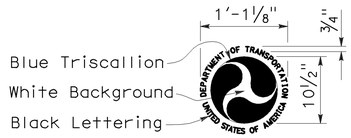
TYPE 1



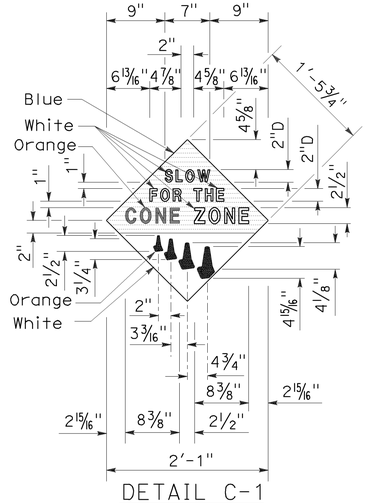
DETAIL A-1



DETAIL B-1
(See Note 3)



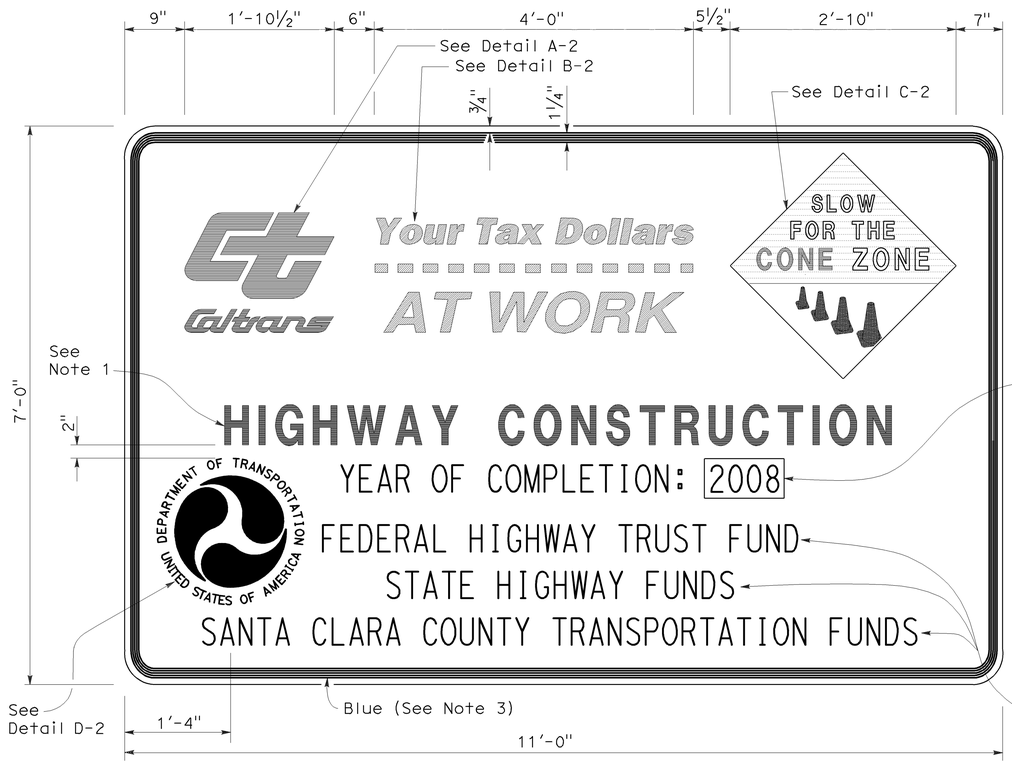
DETAIL D-1
(See Note 6)



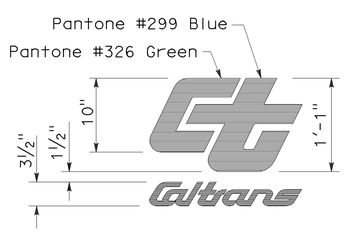
DETAIL C-1
(See Note 4)

NOTES:

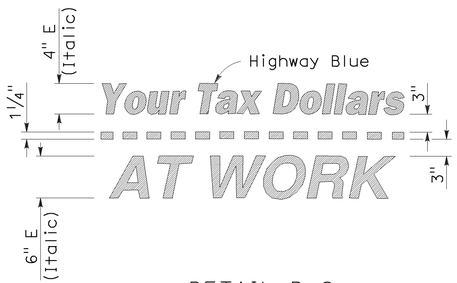
1. The sign messages shown for type of project and fund types are examples only. See the Special Provisions for the applicable type of project and fund type messages to be used.
2. Except as otherwise shown, the legend of sign shall be black on a white background (non-reflective).
3. The border of the signs and details "B-1" and "B-2" shall be blue (non-reflective).
4. The diamond in details "C-1" and "C-2" shall be blue for the background of message, " SLOW FOR THE CONE ZONE", and white background for the orange cones. The color and type of font for the "SLOW FOR THE CONE ZONE" message shall be: "SLOW" white D; "FOR THE" white D; "CONE" orange Arial font; "ZONE" white Arial font.
5. Year of completion of project construction shown on the overlay is an example only. See the Special Provisions.
6. Use when the Project involves Federal Highway Trust Fund.



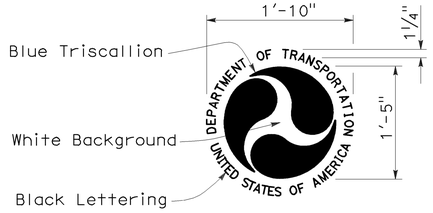
TYPE 2



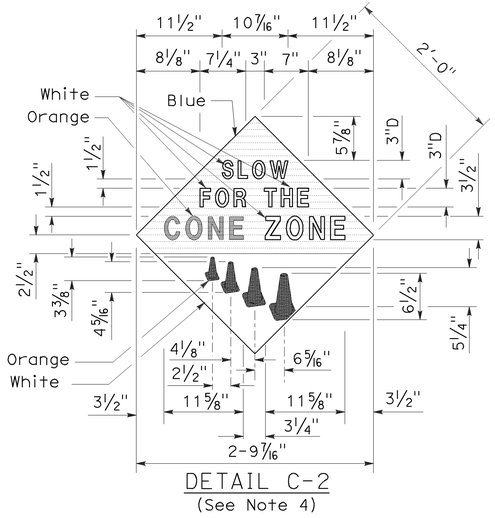
DETAIL A-2



DETAIL B-2
(See Note 3)



DETAIL D-2
(See Note 6)



DETAIL C-2
(See Note 4)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PROJECT FUNDING IDENTIFICATION SIGNS

NO SCALE

RSP T7 DATED NOVEMBER 17, 2006 SUPERSEDES STANDARD PLAN T7
DATED MAY 1, 2006 - PAGE 217 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T7

2006 REVISED STANDARD PLAN RSP T7

9-7-06