Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	80	0.3/29.3	1	56

INDEX OF PLANS

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

STATE OF CALIFORNIA

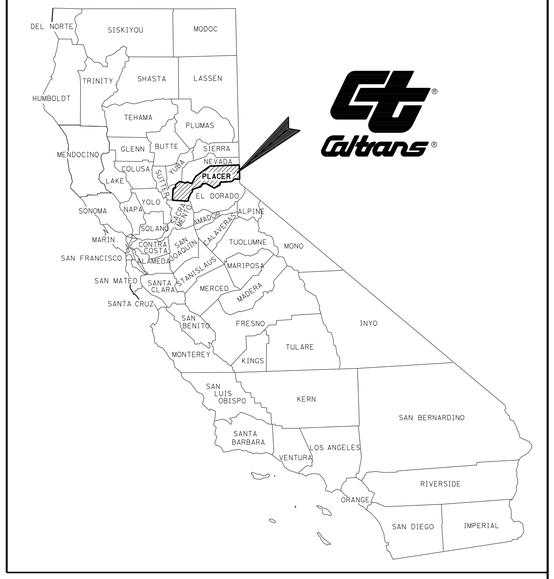
DEPARTMENT OF TRANSPORTATION

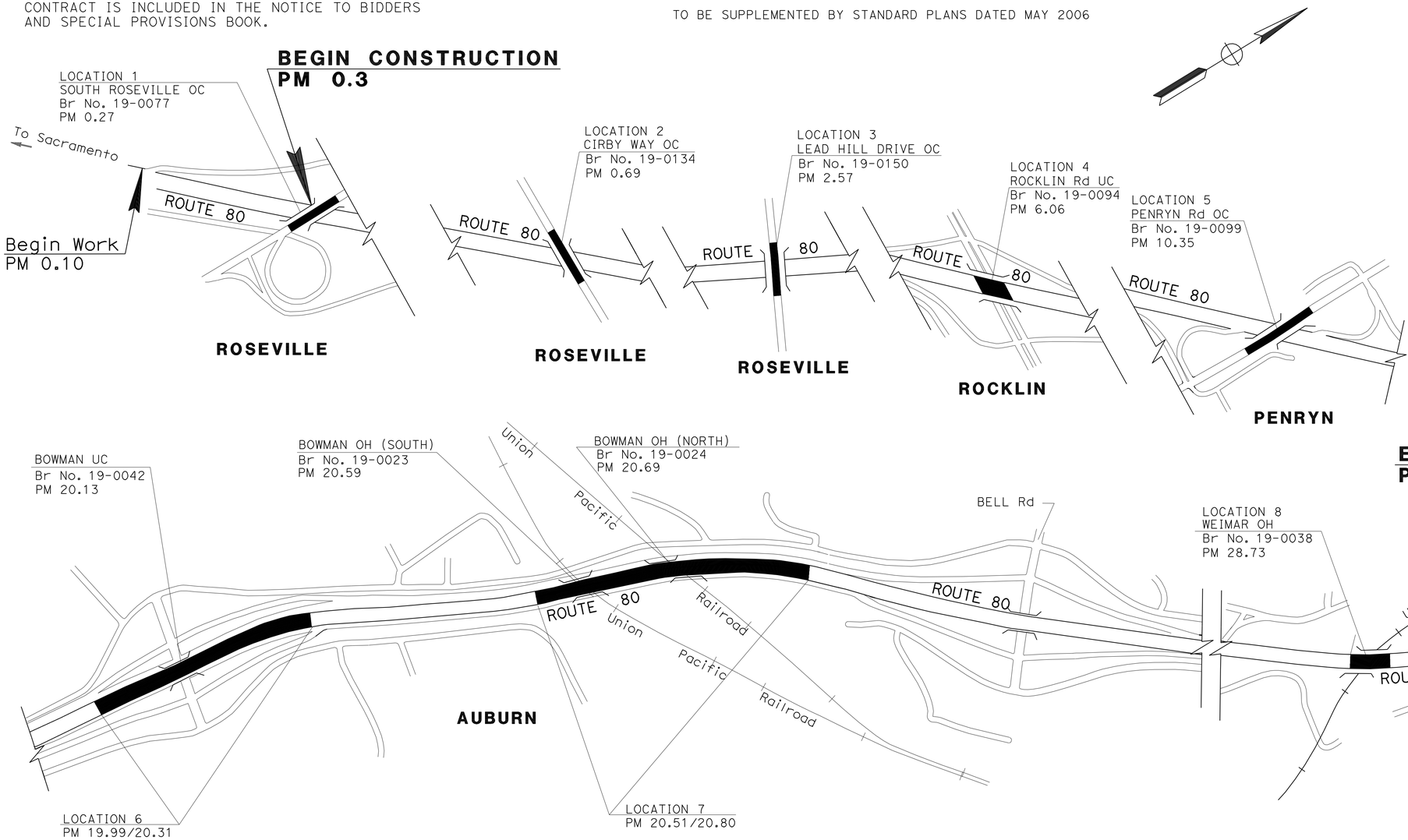
ACBHI-0803(238)E

PROJECT PLANS FOR CONSTRUCTION ON STATE HIGHWAY

IN PLACER COUNTY AT VARIOUS LOCATIONS FROM SOUTH ROSEVILLE OVERCROSSING TO WEIMAR CROSS ROAD OVERCROSSING

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006





NO SCALE

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

Ana Serrano 6-30-10
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER
ANA SERRANO
No. 65977
Exp. 6-30-12
CIVIL
STATE OF CALIFORNIA

September 13, 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.	03-3E0904
PROJECT ID	0300000472

PROJECT MANAGER: DOUG LANGE
DESIGN ENGINEER: GILBERT OGAZ

LAST REVISION 00-00-00
DATE PLOTTED => 19-OCT-2010
TIME PLOTTED => 12:46

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	80	0.3/29.3	2	56

REGISTERED CIVIL ENGINEER — 6-30-10 DATE

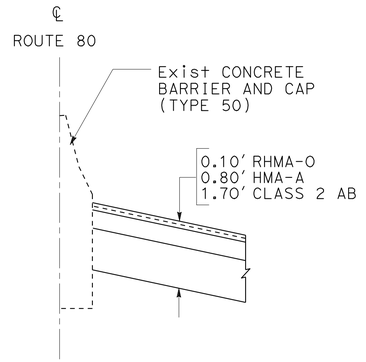
9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — ANA SERRANO No. 65977 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.

NOTES:

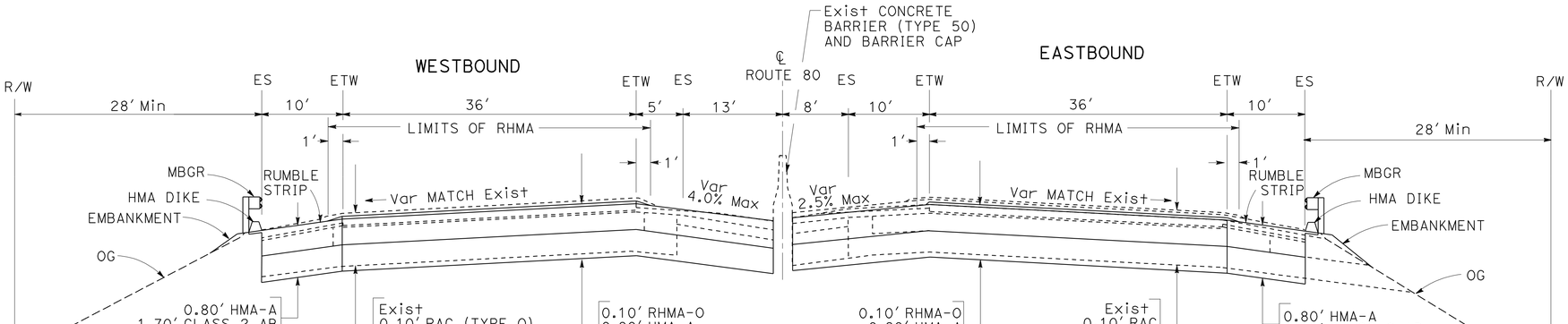
1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. EXACT LOCATIONS AND TYPES OF HMA DIKE ARE SHOWN ON THE SUMMARY OF QUANTITIES SHEETS.
3. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
4. 0.10' RHMA (TYPE O) TO BE CARRIED OUT TO ES WHEN ES IS HIGHER THAN ETW.



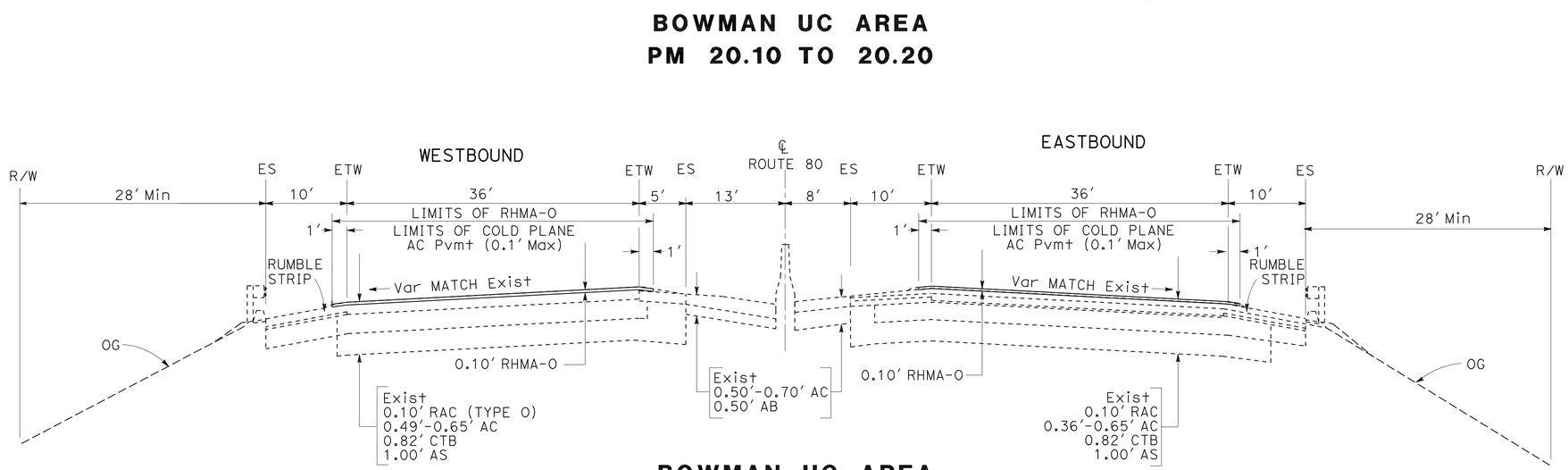
RHMA-O AT SUPERELEVATION
(VARIOUS LOCATIONS)

LEGEND:

RHMA-O	RUBBERIZED HOT MIX ASPHALT (TYPE O)
RAC	RUBBERIZED ASPHALT CONCRETE
HMA-A	HOT MIX ASPHALT (TYPE A)



BOWMAN UC AREA
PM 20.10 TO 20.20



BOWMAN UC AREA
PM 19.99 TO 20.10
PM 20.20 TO 20.31

TYPICAL CROSS SECTIONS

NO SCALE

X-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
NORTH REGION
OFFICE OF DESIGN SOUTH
DESIGN BRANCH S2

FUNCTIONAL SUPERVISOR: GILBERT OGAZ

CALCULATED-DESIGNED BY: ANA SERRANO
CHECKED BY: ANA SERRANO

REVISED BY | DATE REVISED

LAST REVISION: DATE PLOTTED => 13-SEP-2010 | TIME PLOTTED => 14:05 | 00-00-00

BORDER LAST REVISED 7/1/2010

USERNAME => trmartin
DGN FILE => 0300000472ca001.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0322

PROJECT NUMBER & PHASE 03000004721

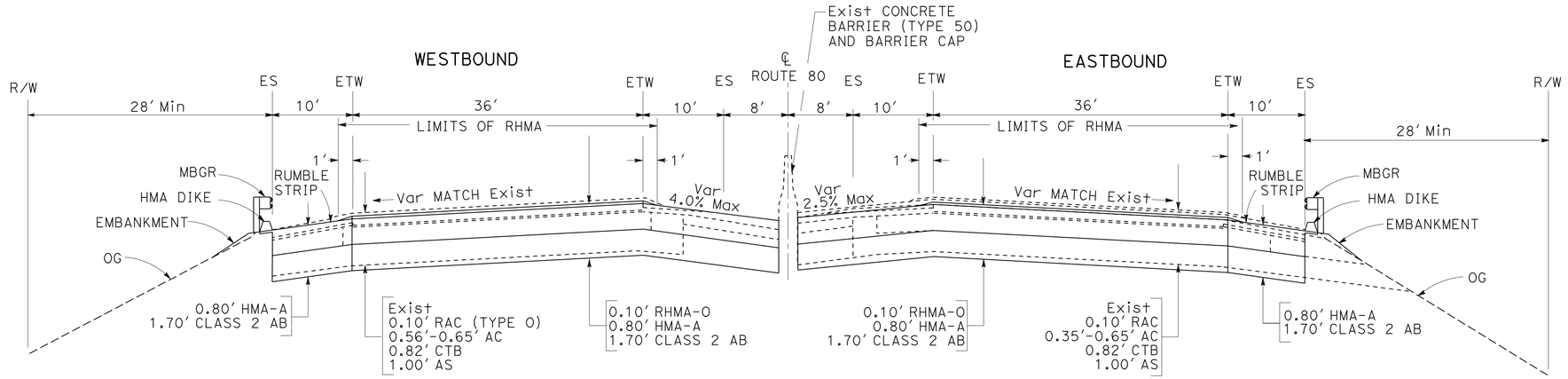
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	80	0.3/29.3	3	56

Ana Serrano 6-30-10
REGISTERED CIVIL ENGINEER DATE

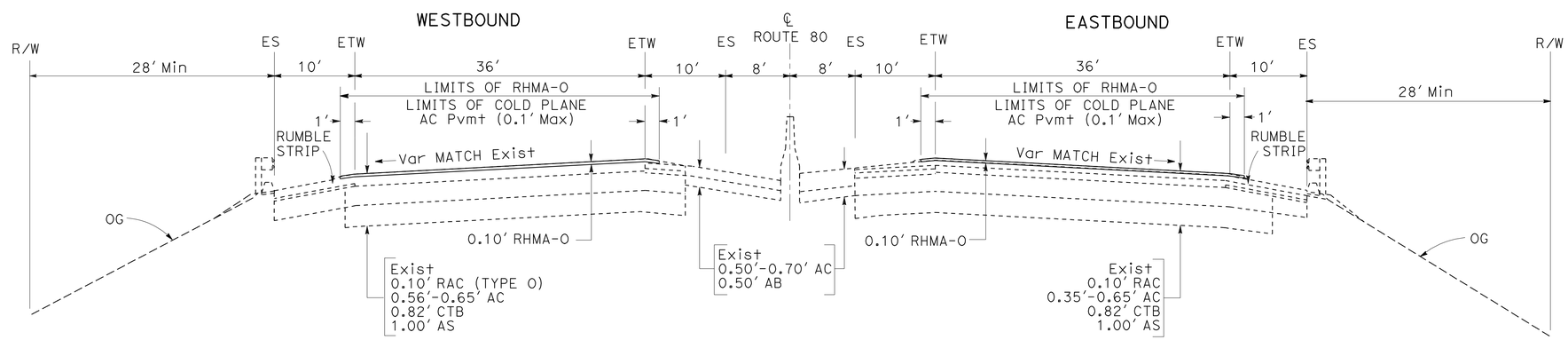
9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ANA SERRANO
No. 65977
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.



BOWMAN OH (SOUTH & NORTH) AREA
PM 20.55 TO 20.76



BOWMAN OH (SOUTH & NORTH) AREA
PM 20.51 TO 20.55
PM 20.76 TO 20.80

TYPICAL CROSS SECTIONS

NO SCALE

X-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
NORTH REGION
OFFICE OF DESIGN SOUTH
DESIGN BRANCH S2

FUNCTIONAL SUPERVISOR: GILBERT OGAZ

CALCULATED-DESIGNED BY | CHECKED BY

REVISED BY: ANA SERRANO | DATE REVISED: ANA SERRANO

LAST REVISION | DATE PLOTTED => 13-SEP-2010
00-00-00 | TIME PLOTTED => 14:05

BORDER LAST REVISED 7/1/2010

USERNAME => trmartin
DGN FILE => 0300000472ca002.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0322

PROJECT NUMBER & PHASE 03000004721

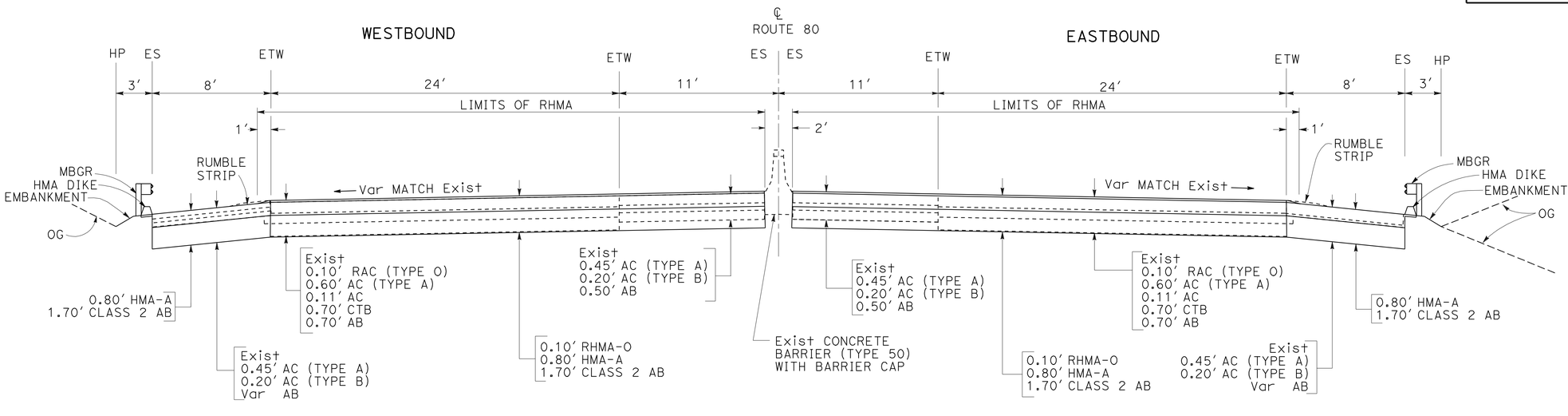
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	80	0.3/29.3	4	56

Ana Serrano 6-30-10
REGISTERED CIVIL ENGINEER DATE

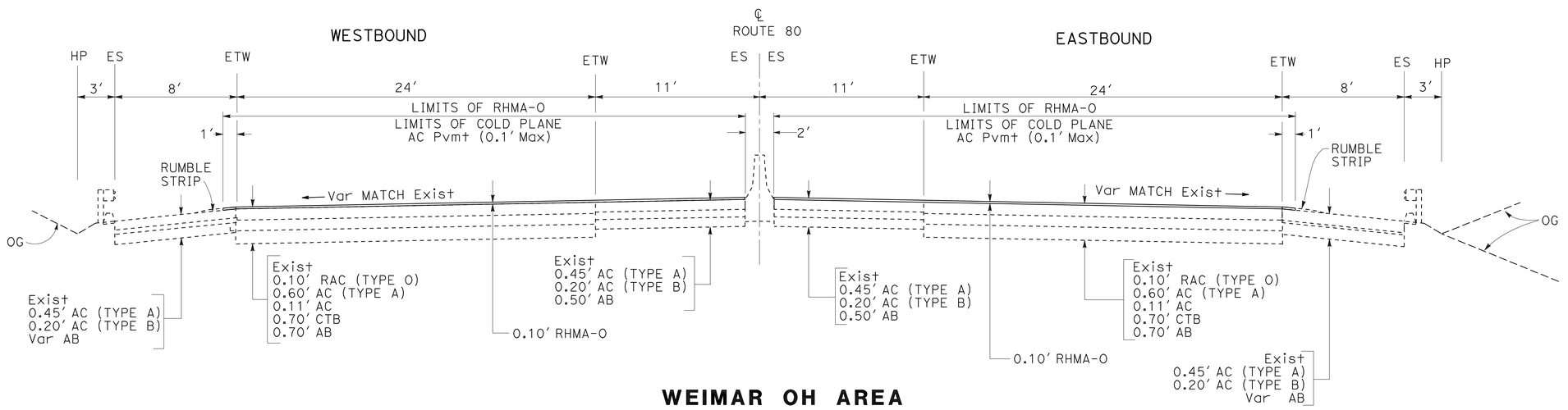
9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ANA SERRANO
No. 65977
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.



WEIMAR OH AREA
PM 28.70 TO 28.76



WEIMAR OH AREA
PM 28.66 TO 28.70
PM 28.76 TO 28.80

TYPICAL CROSS SECTIONS

NO SCALE

X-3

REVISED BY | DATE REVISED
ANA SERRANO | ANA SERRANO
CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: GILBERT OGAZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
NORTH REGION
OFFICE OF DESIGN SOUTH
DESIGN BRANCH S2

LAST REVISION | DATE PLOTTED => 13-SEP-2010
00-00-00 | TIME PLOTTED => 14:05

BORDER LAST REVISED 7/1/2010

USERNAME => trmartin
DGN FILE => 0300000472ca003.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0322 | PROJECT NUMBER & PHASE 03000004721

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	80	0.3/29.3	5	56

REGISTERED CIVIL ENGINEER — DATE: 6-30-10

PLANS APPROVAL DATE: 9-13-10

REGISTERED PROFESSIONAL ENGINEER — ANA SERRANO No. 65977 Exp. 6-30-12 CIVIL — STATE OF CALIFORNIA

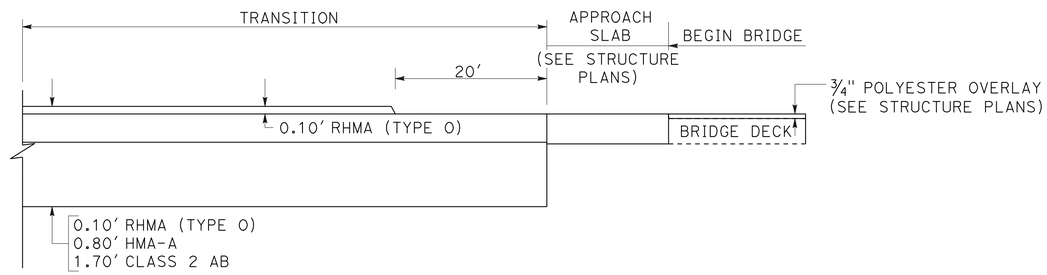
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LEGEND:

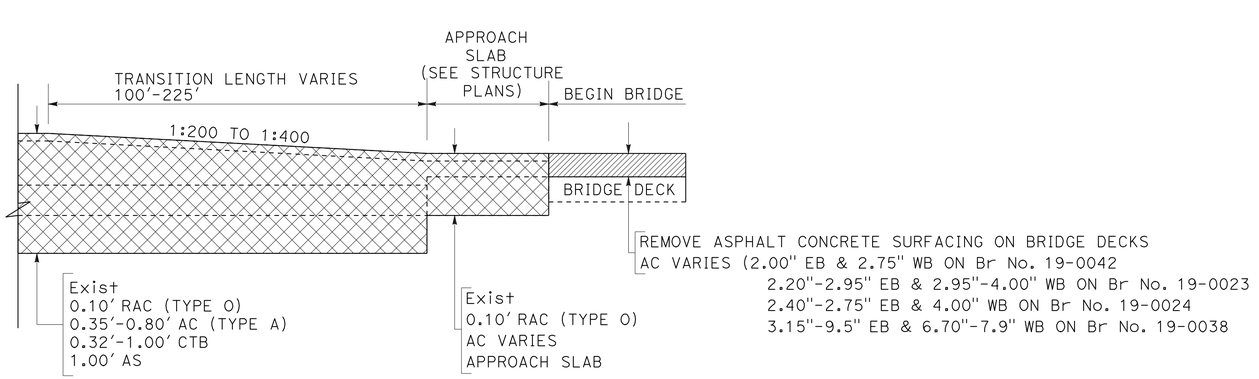
REMOVE ASPHALT CONCRETE SURFACING

REMOVE AND REPLACE STRUCTURAL SECTION AND APPROACH SLAB

COLD PLANE CONFORM



CONFORM TO BRIDGE APPROACH



REPLACE STRUCTURAL SECTION/APPROACH SLAB & EXPOSE BRIDGE DECK

BOWMAN UC & BOWMAN OHs CONFORM

BRIDGE No. 19-0042, PM 20.13
BRIDGE No. 19-0023, PM 20.59
BRIDGE No. 19-0024, PM 20.69

WEIMAR OH

BRIDGE No. 19-0038 PM 28.73

NOTE:

TRANSITION LENGTH IS VARIABLE DUE TO DIFFERENT ASPHALT CONCRETE OVERLAY DEPTHS ON STRUCTURES.

CONSTRUCTION DETAILS

NO SCALE

C-1

REVISED BY: ANA SERRANO
DATE REVISED:
CALCULATED-DESIGNED BY: ANA SERRANO
CHECKED BY:
FUNCTIONAL SUPERVISOR: GILBERT OGAZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
NORTH REGION
OFFICE OF DESIGN SOUTH
DESIGN BRANCH S2

LAST REVISION: DATE PLOTTED => 13-SEP-2010
00-00-00 TIME PLOTTED => 14:05

BORDER LAST REVISED 7/1/2010 | USERNAME => trmartin | DGN FILE => 0300000472ga001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0322 | PROJECT NUMBER & PHASE 03000004721

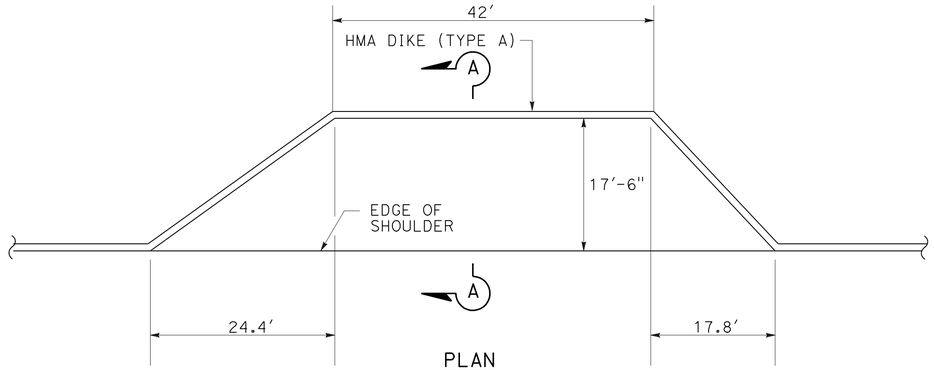
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	80	0.3/29.3	6	56

Ana Serrano 6-30-10
REGISTERED CIVIL ENGINEER DATE

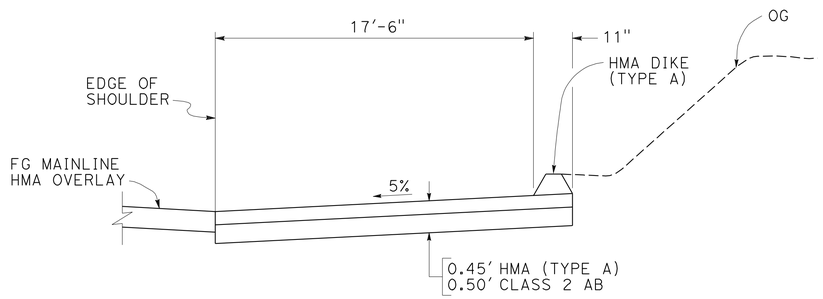
9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ANA SERRANO
No. 65977
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.



PLAN



SECTION A-A

MAINTENANCE VEHICLE PULLOUT
PM 28.7 WESTBOUND (NEAR WEIMAR OH)

CONSTRUCTION DETAILS
NO SCALE

C-2

REVISED BY | DATE REVISED
ANA SERRANO | ANA SERRANO
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: GILBERT OGAZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
NORTH REGION
OFFICE OF DESIGN SOUTH
DESIGN BRANCH S2

LAST REVISION 00-00-00 | DATE PLOTTED => 13-SEP-2010 | TIME PLOTTED => 14:05

BORDER LAST REVISED 7/1/2010 | USERNAME => trmartin | DGN FILE => 0300000472ga002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0322 | PROJECT NUMBER & PHASE 03000004721

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	80	0.3/29.3	7	56

Ana Serrano 6-30-10
REGISTERED CIVIL ENGINEER DATE

9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ANA SERRANO
No. 65977
Exp. 6-30-12
CIVIL
STATE OF CALIFORNIA

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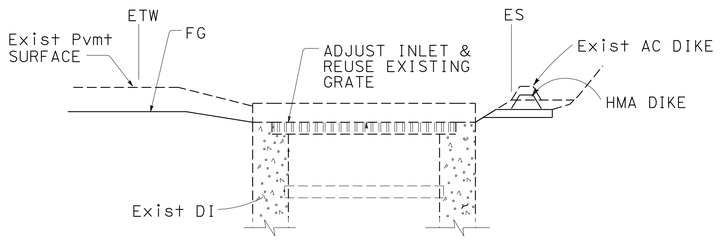
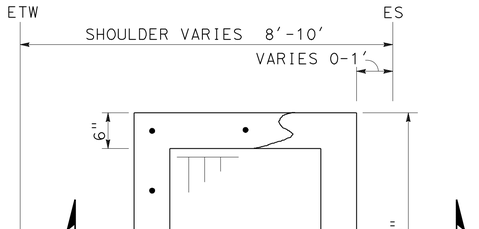
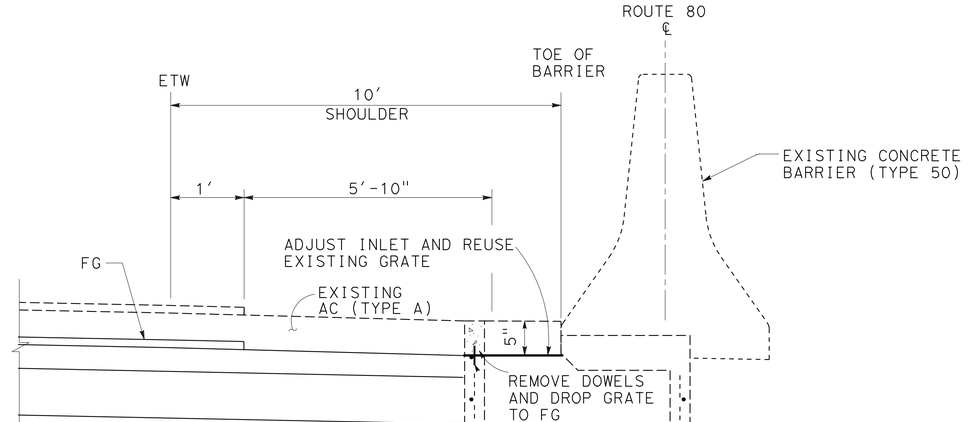


SECTION B-B



PLAN

ADJUST INLET



ADJUST INLET AT MEDIAN

CONSTRUCTION DETAILS

NO SCALE

C-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
NORTH REGION
OFFICE OF DESIGN SOUTH
DESIGN BRANCH S2

FUNCTIONAL SUPERVISOR: GILBERT OGAZ

CALCULATED-DESIGNED BY: ANA SERRANO
CHECKED BY: ANA SERRANO

REVISED BY	DATE REVISED

LAST REVISION DATE PLOTTED => 13-SEP-2010
00-00-00 TIME PLOTTED => 14:06

BORDER LAST REVISED 7/1/2010

USERNAME => trmartin
DGN FILE => 0300000472ga003.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0322

PROJECT NUMBER & PHASE 03000004721

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	80	0.3/29.3	8	56

Ana Serrano 6-30-10
REGISTERED CIVIL ENGINEER DATE

9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ANA SERRANO
No. 65977
Exp. 6-30-12
CIVIL
STATE OF CALIFORNIA

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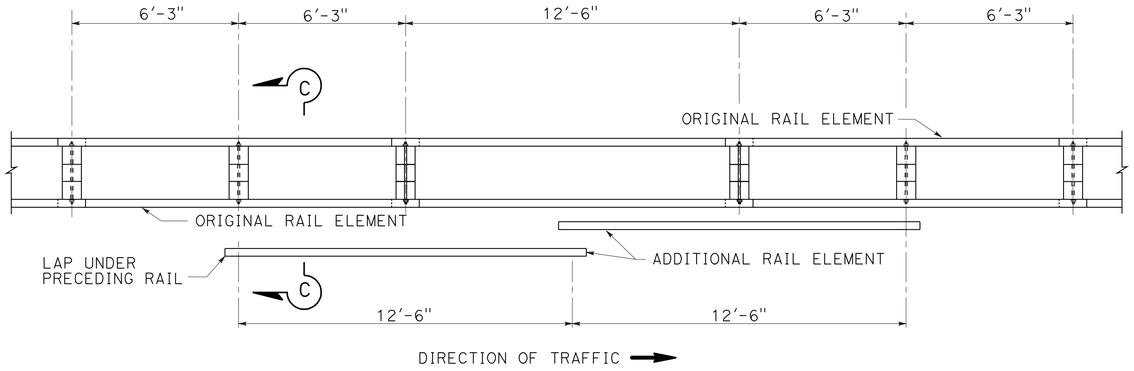
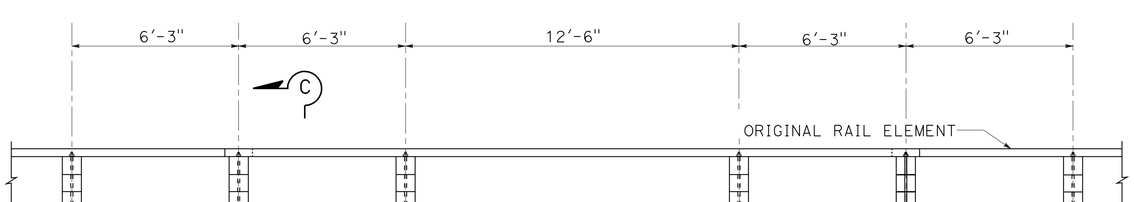
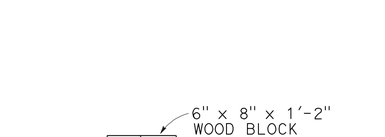


CASE 1
ONE POST OMITTED (SPLICE IN CENTER)
PLAN



CASE 2
ONE POST OMITTED (SPLICE AT POSTS)
PLAN



SECTION C-C

LONG SPAN NESTED METAL BEAM GUARD RAIL

CONSTRUCTION DETAILS
NO SCALE

C-4

REVISED BY | DATE REVISED
ANA SERRANO | ANA SERRANO
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: GILBERT OGAZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
NORTH REGION
OFFICE OF DESIGN SOUTH
DESIGN BRANCH S2

LAST REVISION 00-00-00
DATE PLOTTED => 13-SEP-2010
TIME PLOTTED => 14:06

BORDER LAST REVISED 7/1/2010
USERNAME => trmartin
DGN FILE => 0300000472ga004.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0322
PROJECT NUMBER & PHASE 03000004721

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	80	0.3/29.3	9	56

Ana Serrano 6-30-10
REGISTERED CIVIL ENGINEER DATE

9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ANA SERRANO
No. 65977
Exp. 6-30-12
CIVIL
STATE OF CALIFORNIA

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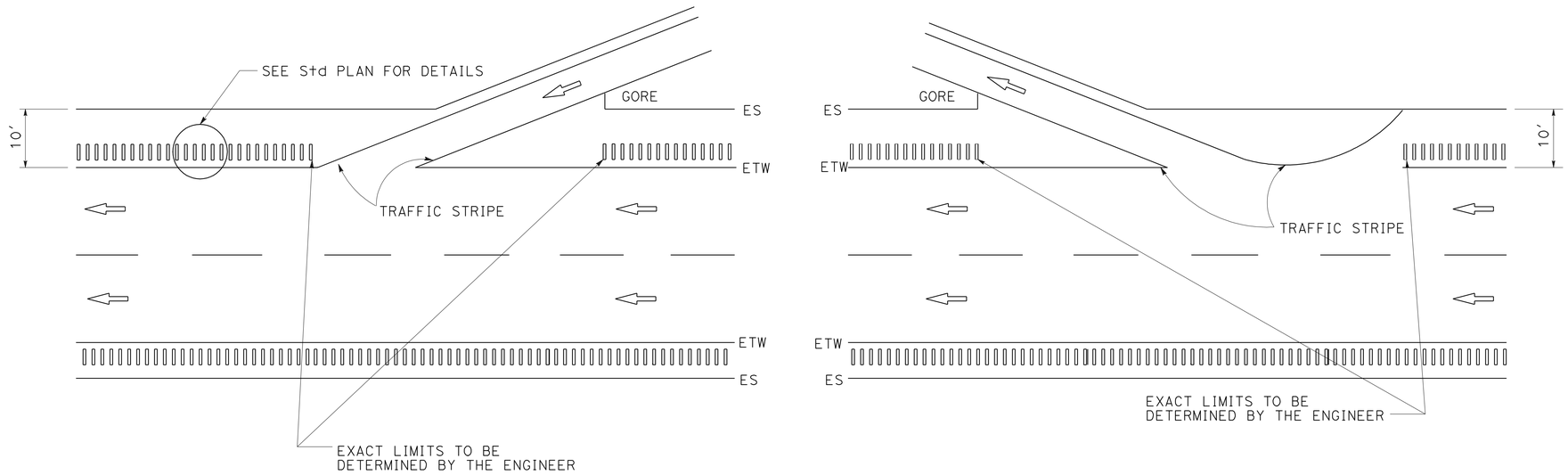

EASTBOUND/ WESTBOUND DIRECTION

CONSTRUCTION DETAILS

NO SCALE

C-5

REVISED BY | DATE REVISED
ANA SERRANO | ANA SERRANO
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: GILBERT OGAZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
NORTH REGION
OFFICE OF DESIGN SOUTH
DESIGN BRANCH S2

LAST REVISION | DATE PLOTTED => 13-SEP-2010
00-00-00 | TIME PLOTTED => 14:06

BORDER LAST REVISED 7/1/2010
USERNAME => trmartin
DGN FILE => 0300000472ga005.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0322
PROJECT NUMBER & PHASE 03000004721

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	80	0.3/29.3	10	56

REGISTERED CIVIL ENGINEER — 6-30-10 DATE

PLANS APPROVAL DATE — 9-13-10

REGISTERED PROFESSIONAL ENGINEER — ANA SERRANO No. 65977 Exp. 6-30-12 CIVIL — STATE OF CALIFORNIA

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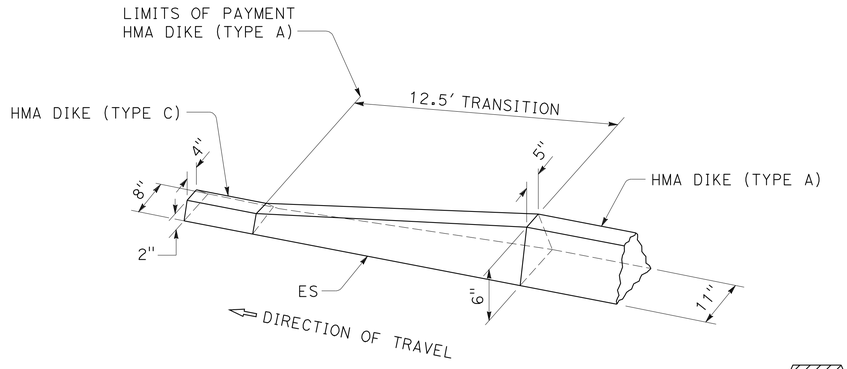
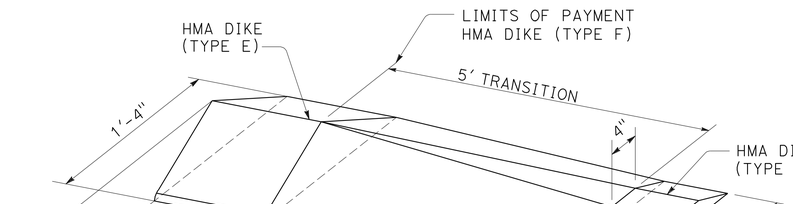


TYPE C

TYPE A

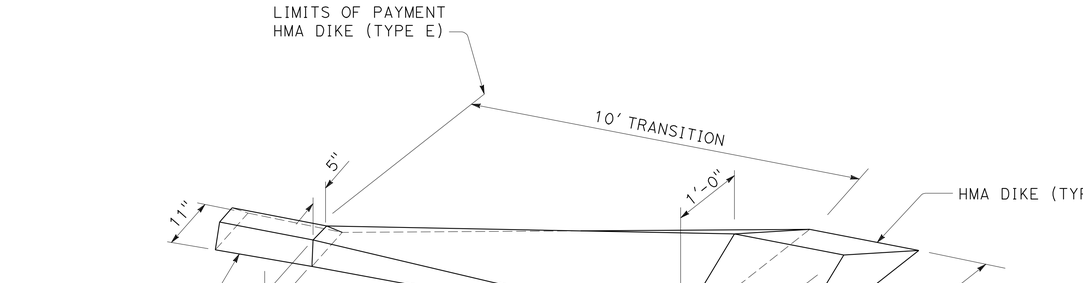
DIKE TRANSITION TYPE A TO TYPE C



TYPE E

TYPE F

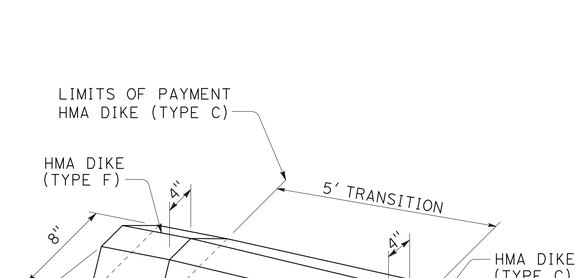
DIKE TRANSITION TYPE F TO TYPE E



TYPE A

TYPE E

DIKE TRANSITION TYPE E TO TYPE A



TYPE F

TYPE C

DIKE TRANSITION TYPE C TO TYPE F

CONSTRUCTION DETAILS

NO SCALE

C-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
NORTH REGION
OFFICE OF DESIGN SOUTH
DESIGN BRANCH S2

FUNCTIONAL SUPERVISOR: GILBERT OGAZ

CALCULATED-DESIGNED BY: ANA SERRANO

CHECKED BY: ANA SERRANO

DATE REVISED	REVISED BY

LAST REVISION — DATE PLOTTED => 13-SEP-2010 — TIME PLOTTED => 14:06

BORDER LAST REVISED 7/1/2010

USERNAME => trmartin
DGN FILE => 0300000472ga006.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0322

PROJECT NUMBER & PHASE 03000004721

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	80	0.3/29.3	11	56

Ana Serrano 6-30-10
REGISTERED CIVIL ENGINEER DATE

9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ANA SERRANO
No. 65977
Exp. 6-30-12
CIVIL
STATE OF CALIFORNIA

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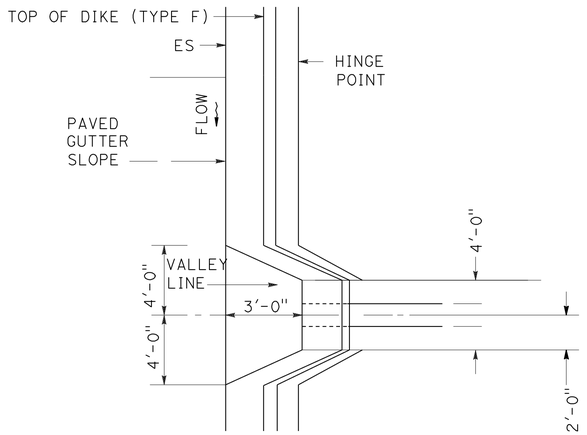
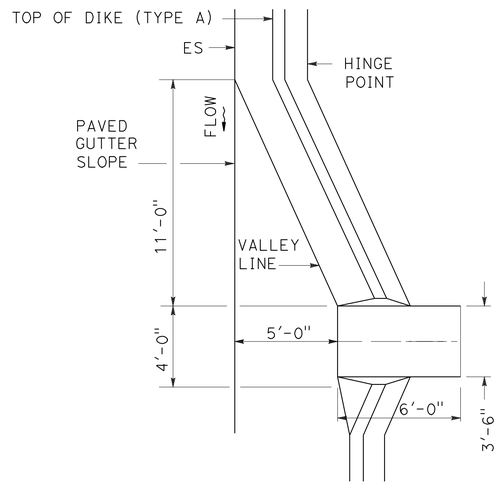
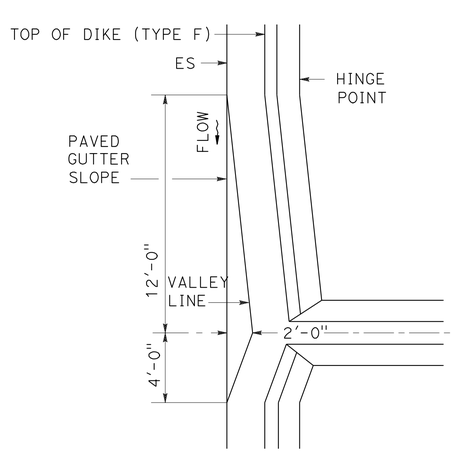


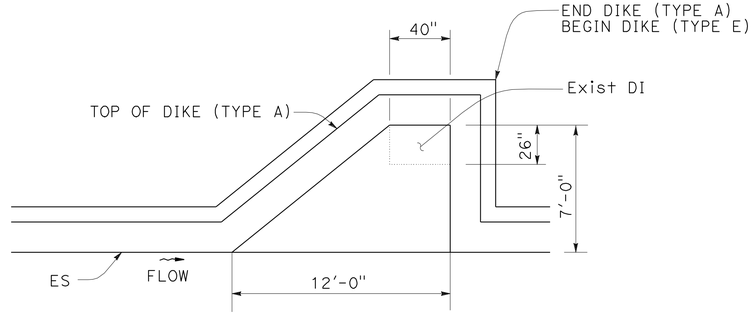
PLACE HMA (Misc AREA) AT BOWMAN UC WB
PM 20.15



PLACE HMA (Misc AREA) AT BOWMAN OH (NORTH) WB
PM 20.68



PLACE HMA (Misc AREA) BETWEEN BOWMAN OH (SOUTH & NORTH) EB
PM 20.68



PLACE HMA (Misc AREA) AT EXISTING DI
AT WEIMAR OH WB
PM 28.70

CONSTRUCTION DETAILS

NO SCALE

C-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
NORTH REGION
OFFICE OF DESIGN SOUTH
DESIGN BRANCH S2

Caltrans

FUNCTIONAL SUPERVISOR: GILBERT OGAZ

CALCULATED-DESIGNED BY:
CHECKED BY:

REVISED BY	DATE REVISED
ANA SERRANO	ANA SERRANO

LAST REVISION 00-00-00
DATE PLOTTED => 13-SEP-2010
TIME PLOTTED => 14:15

BORDER LAST REVISED 7/1/2010

USERNAME => trmnguye
DGN FILE => 0300000472ga007.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0322

PROJECT NUMBER & PHASE 03000004721

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	80	0.3/29.3	12	56

Ana Serrano 6-30-10
REGISTERED CIVIL ENGINEER DATE

9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ANA SERRANO
No. 65977
Exp. 6-30-12
CIVIL
STATE OF CALIFORNIA

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LOCATIONS 1-5
STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN LETTER	SIGN CODE FEDERAL	SIGN CODE CALIFORNIA	PANEL SIZE	SIGN MESSAGE	NUMBER OF POST AND SIZE	NUMBER OF SIGNS
A	W20-1	C23	60" x 60"	ROAD WORK AHEAD	2 - 4" x 6"	4
B		C40 (Mod)	96" x 60"	TRAFFIC FINES DOUBLED IN WORK ZONES	2 - 6" x 6"	2
C	G20-2	C14	48" x 24"	END ROAD WORK	1 - 4" x 6"	10
D	W20-1	C23	48" x 48"	ROAD WORK AHEAD	1 - 6" x 6"	9

NOTE: EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.

SIGN DETAILS

B C40(Mod)<CA>

TRAFFIC FINES
DOUBLED IN
WORK ZONES

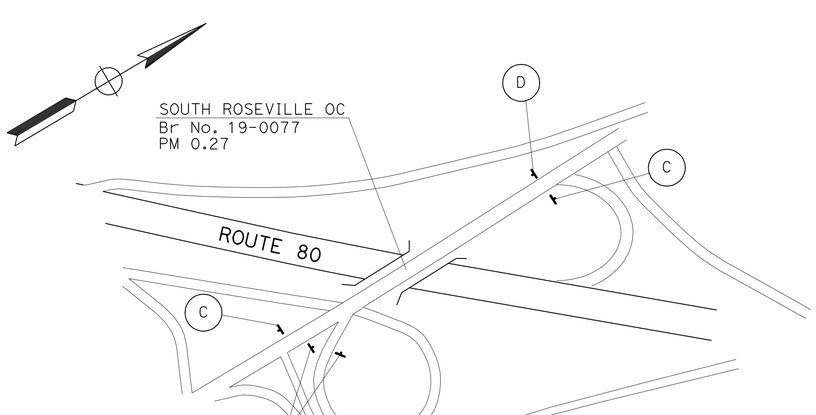
8" D SERIES LETTERS

96"x60"

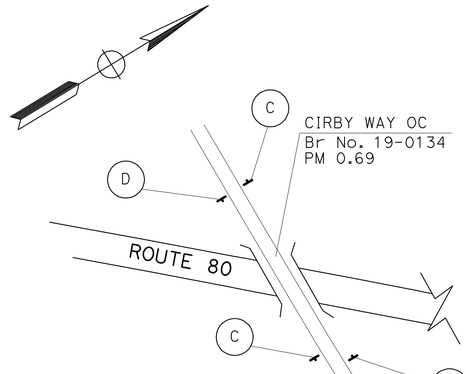
RETROREFLECTIVE WHITE BACKGROUND WITH BLACK LEGEND AND BORDER.

LEGEND:

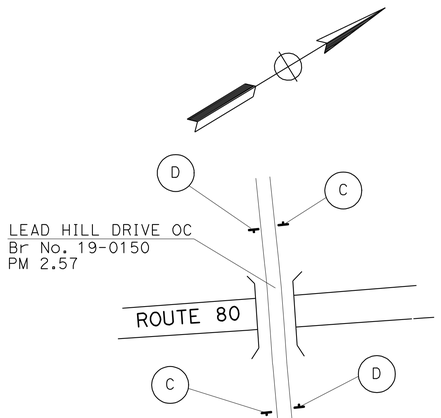
<CA> CALIFORNIA SIGN CODE



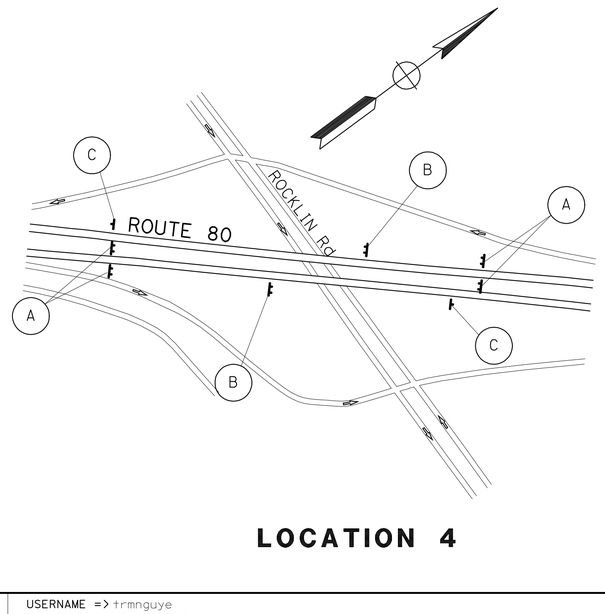
LOCATION 1



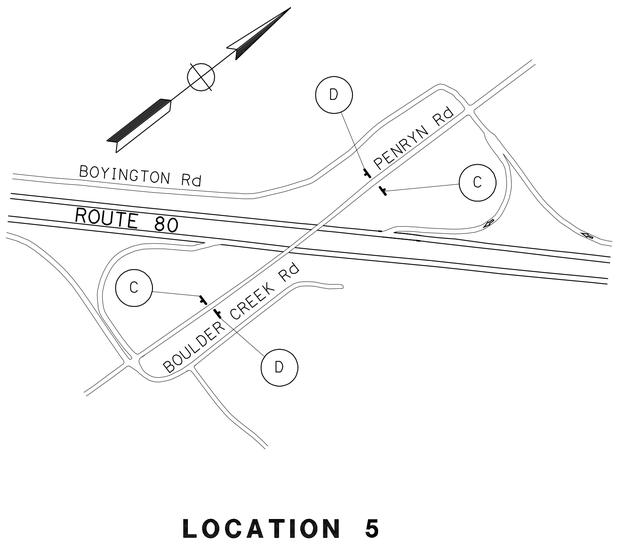
LOCATION 2



LOCATION 3



LOCATION 4



LOCATION 5

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
NORTH REGION
OFFICE OF DESIGN SOUTH
DESIGN BRANCH S2

FUNCTIONAL SUPERVISOR: GILBERT OGAZ

CALCULATED-DESIGNED BY:
CHECKED BY:

REVISED BY: ANA SERRANO
DATE REVISED: ANA SERRANO

LAST REVISION: DATE PLOTTED => 13-SEP-2010
00-00-00 TIME PLOTTED => 14:16

BORDER LAST REVISED 7/1/2010

USERNAME => trmnguye
DGN FILE => 03000004721a001.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0322

PROJECT NUMBER & PHASE 03000004721

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	80	0.3/29.3	13	56

Ana Serrano 6-30-10
REGISTERED CIVIL ENGINEER DATE

9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ANA SERRANO
No. 65977
Exp. 6-30-12
CIVIL
STATE OF CALIFORNIA

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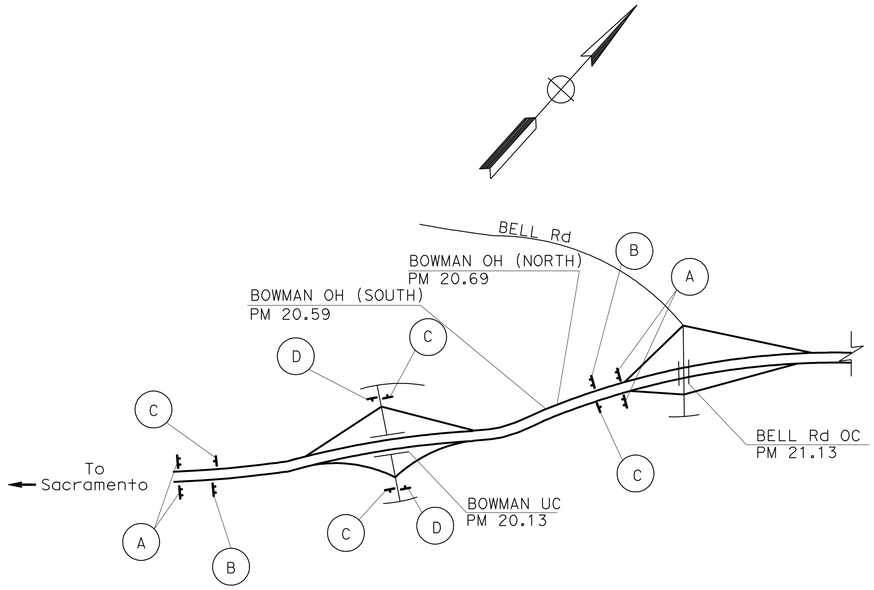
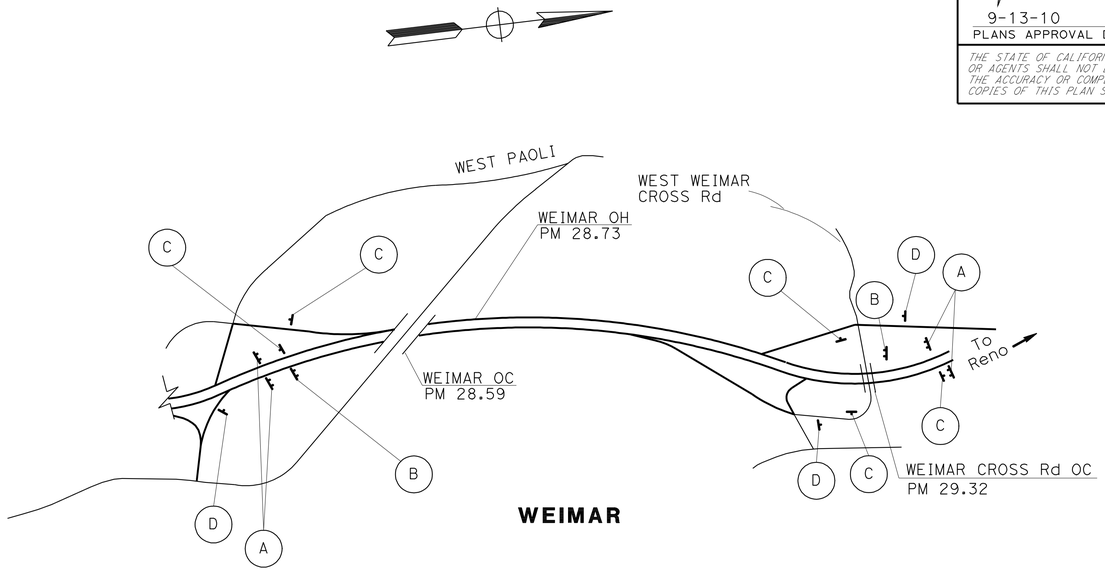


AUBURN

LOCATION 6 & 7



WEIMAR

LOCATION 8 & 9

SIGN DETAILS

(A) C11(Mod)<CA>

ROAD WORK
NEXT 2 MILES

8" D SERIES LETTERS

90"x36"

RETROREFLECTIVE ORANGE BACKGROUND WITH BLACK LEGEND AND BORDER.

(B) C40(Mod)<CA>

TRAFFIC FINES
DOUBLED IN
WORK ZONES

8" D SERIES LETTERS

96"x60"

RETROREFLECTIVE WHITE BACKGROUND WITH BLACK LEGEND AND BORDER.

LOCATIONS 6-9
STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN LETTER	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POST AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
(A)		C11 (Mod)	90" x 36"	ROAD WORK NEXT 2 MILES	2 - 4" x 6"	8
(B)		C40 (Mod)	96" x 60"	TRAFFIC FINES DOUBLED IN WORK ZONES	2 - 6" x 6"	4
(C)	G20-2	C14	48" x 24"	END ROAD WORK	1 - 4" x 6"	9
(D)	W20-1	C23	48" x 48"	ROAD WORK AHEAD	1 - 6" x 6"	5

NOTE: EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.

CONSTRUCTION AREA SIGNS

NO SCALE

CS-2

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
NORTH REGION
OFFICE OF DESIGN SOUTH
DESIGN BRANCH S2

FUNCTIONAL SUPERVISOR: GILBERT OGAZ

CALCULATED-DESIGNED BY: ANA SERRANO
CHECKED BY: ANA SERRANO

REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED => 13-SEP-2010
00-00-00 | TIME PLOTTED => 14:16

BORDER LAST REVISED 7/1/2010

USERNAME => trmnguye
DGN FILE => 03000004721a002.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0322

PROJECT NUMBER & PHASE 03000004721

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	80	0.3/29.3	14	56

Ana Serrano 6-30-10
REGISTERED CIVIL ENGINEER DATE

9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ANA SERRANO
No. 65977
Exp. 6-30-12
CIVIL
STATE OF CALIFORNIA

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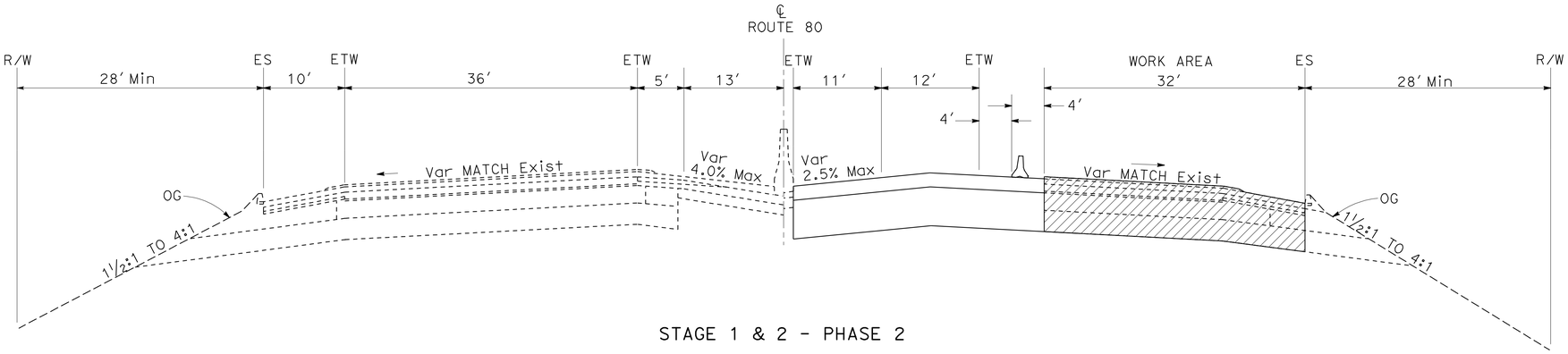
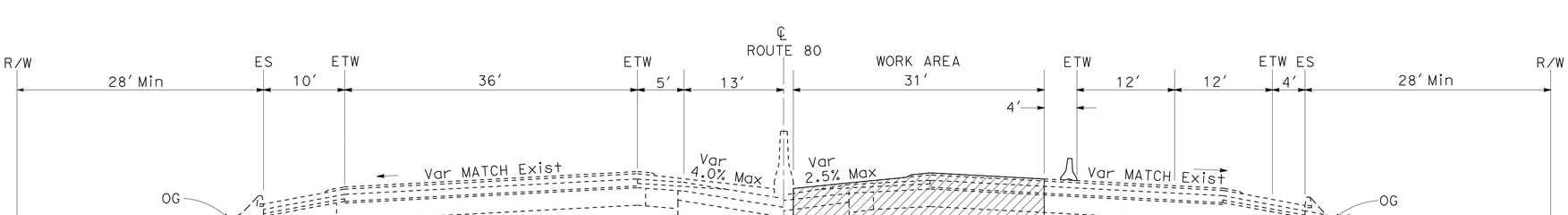
LEGEND:

STRUCTURAL SECTION AND APPROACH SLAB REPLACEMENT



STAGE 1 & 2 - PHASE 2



STAGE 1 & 2 - PHASE 1

BOWMAN UC BRIDGE No. 19-0042
BOWMAN OH (SOUTH) BRIDGE No. 19-0023
BOWMAN OH (NORTH) BRIDGE No. 19-0024

NOTES:

WORK TO BE DONE DURING STAGE 1

1. STAGE 1 PHASE 1 AND 2 REPLACE STRUCTURAL SECTION EASTBOUND ROUTE 80

WORK TO BE DONE DURING STAGE 2

1. STAGE 2 PHASE 1 AND 2 REPLACE APPROACH SLABS EASTBOUND ROUTE 80

STAGE CONSTRUCTION
STAGE 1 & 2
NO SCALE

SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

REVISED BY | DATE REVISED
ANA SERRANO | ANA SERRANO
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: GILBERT OGAZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
NORTH REGION
OFFICE OF DESIGN SOUTH
DESIGN BRANCH S2

LAST REVISION | DATE PLOTTED => 13-SEP-2010
00-00-00 | TIME PLOTTED => 14:16

BORDER LAST REVISED 7/1/2010
USERNAME => trmnguye
DGN FILE => 0300000472ma001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0322
PROJECT NUMBER & PHASE 03000004721

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	80	0.3/29.3	15	56

Ana Serrano 6-30-10
REGISTERED CIVIL ENGINEER DATE

9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ANA SERRANO
No. 65977
Exp. 6-30-12
CIVIL
STATE OF CALIFORNIA

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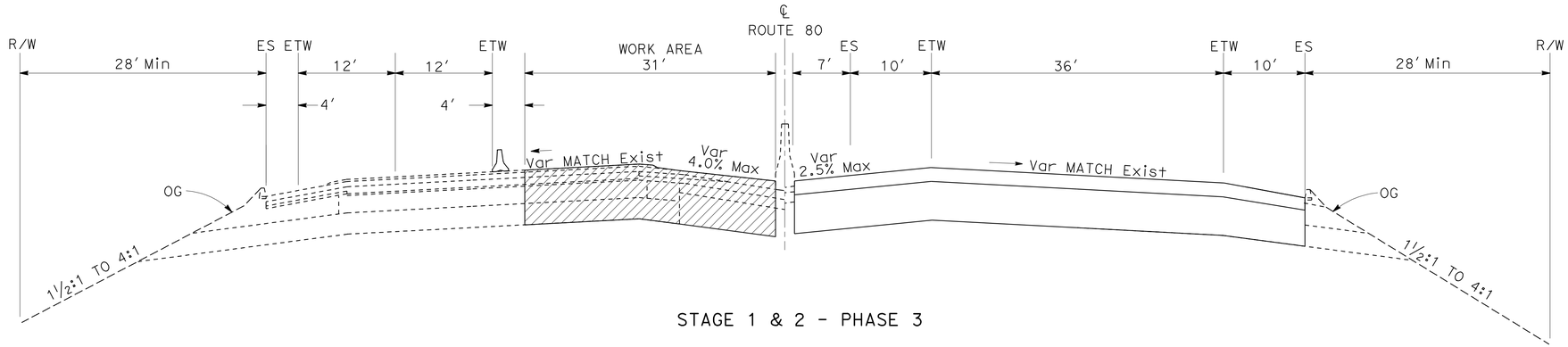
NOTES:

WORK TO BE DONE DURING STAGE 1

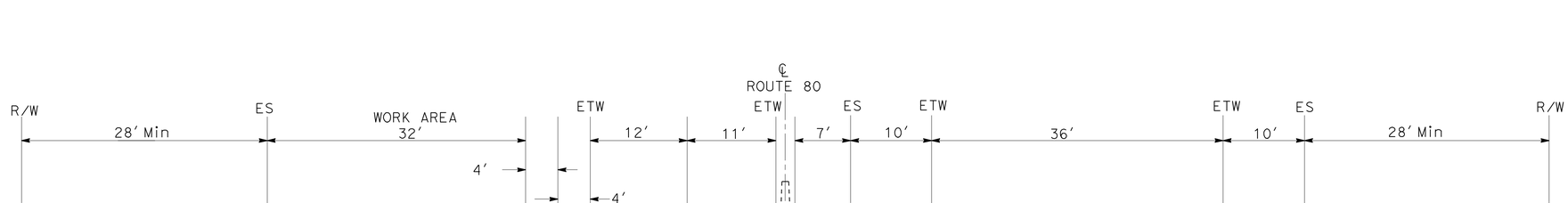
1. STAGE 1 PHASE 3 AND 4 REPLACE STRUCTURAL SECTION WESTBOUND ROUTE 80

WORK TO BE DONE DURING STAGE 2

1. STAGE 2 PHASE 3 AND 4 REPLACE APPROACH SLABS WESTBOUND ROUTE 80



STAGE 1 & 2 - PHASE 3



STAGE 1 & 2 - PHASE 4

BOWMAN UC BRIDGE No. 19-0042
BOWMAN OH (SOUTH) BRIDGE No. 19-0023
BOWMAN OH (NORTH) BRIDGE No. 19-0024

STAGE CONSTRUCTION
STAGE 1 & 2
NO SCALE

SC-2

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

REVISED BY: ANA SERRANO
DATE REVISED:
CALCULATED-DESIGNED BY: ANA SERRANO
CHECKED BY:
FUNCTIONAL SUPERVISOR: GILBERT OGAZ

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DESIGN BRANCH S2

LAST REVISION 00-00-00
DATE PLOTTED => 13-SEP-2010
TIME PLOTTED => 14:16

BORDER LAST REVISED 7/1/2010
USERNAME => trmnguye
DGN FILE => 0300000472ma002.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0322
PROJECT NUMBER & PHASE 03000004721

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	80	0.3/29.3	16	56

Ana Serrano 6-30-10
REGISTERED CIVIL ENGINEER DATE

9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ANA SERRANO
No. 65977
Exp. 6-30-12
CIVIL
STATE OF CALIFORNIA

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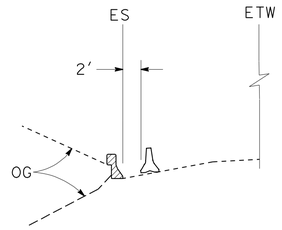
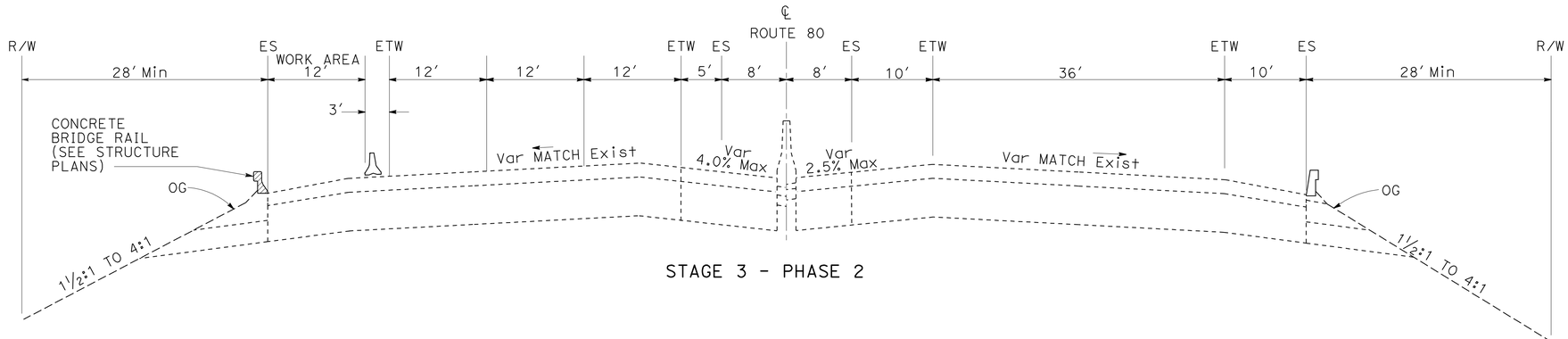
NOTES:

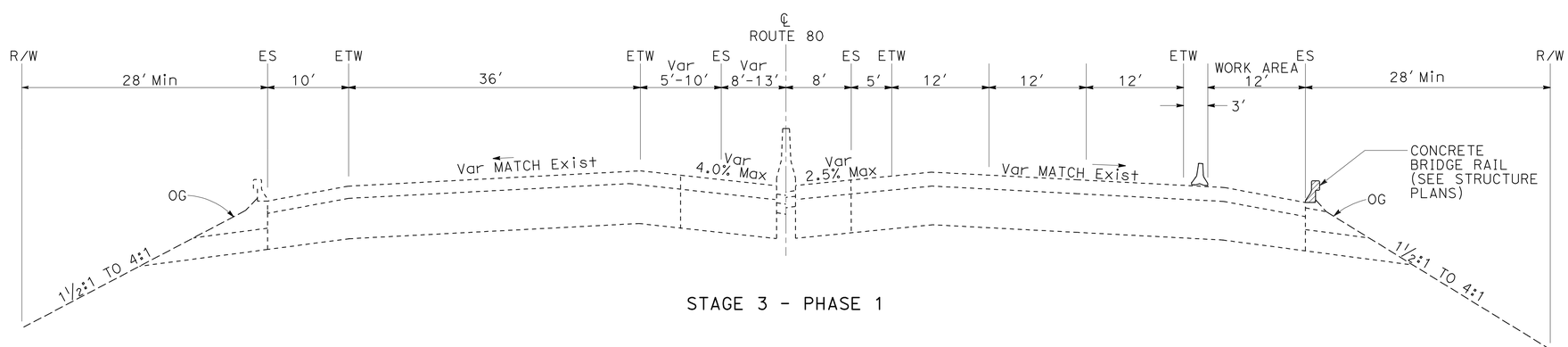
1. SHIFT TEMPORARY RAIL (TYPE K) PER "DETAIL A" AFTER THE BRIDGE RAIL HAS BEEN INSTALLED UNTIL CONCRETE IS CURED OR, AS DIRECTED BY THE ENGINEER.
2. WORK TO BE DONE DURING STAGE 3 - REPLACE BRIDGE RAIL WESTBOUND AND EASTBOUND.



DETAIL A
SEE NOTE 1



STAGE 3 - PHASE 2



STAGE 3 - PHASE 1

BOWMAN UC BRIDGE No. 19-0042
BOWMAN OH (SOUTH) BRIDGE No. 19-0023
BOWMAN OH (NORTH) BRIDGE No. 19-0024

STAGE CONSTRUCTION
STAGE 3
NO SCALE

SC-3

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

REVISED BY | DATE REVISED
ANA SERRANO | ANA SERRANO
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: GILBERT OGAZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
NORTH REGION
OFFICE OF DESIGN SOUTH
DESIGN BRANCH S2

LAST REVISION 00-00-00 | DATE PLOTTED => 13-SEP-2010 | TIME PLOTTED => 14:16

BORDER LAST REVISED 7/1/2010 | USERNAME => trmnguye | DGN FILE => 0300000472ma003.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0322 | PROJECT NUMBER & PHASE 03000004721

NOTES:

WORK TO BE DONE DURING STAGE 4 & 5

1. STAGE 4 - REPLACE STRUCTURAL SECTION EASTBOUND ROUTE 80
2. STAGE 5 - REPLACE APPROACH SLABS EASTBOUND ROUTE 80

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	80	0.3/29.3	17	56

Ana Serrano 6-30-10
REGISTERED CIVIL ENGINEER DATE

9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ANA SERRANO
No. 65977
Exp. 6-30-12
CIVIL
STATE OF CALIFORNIA

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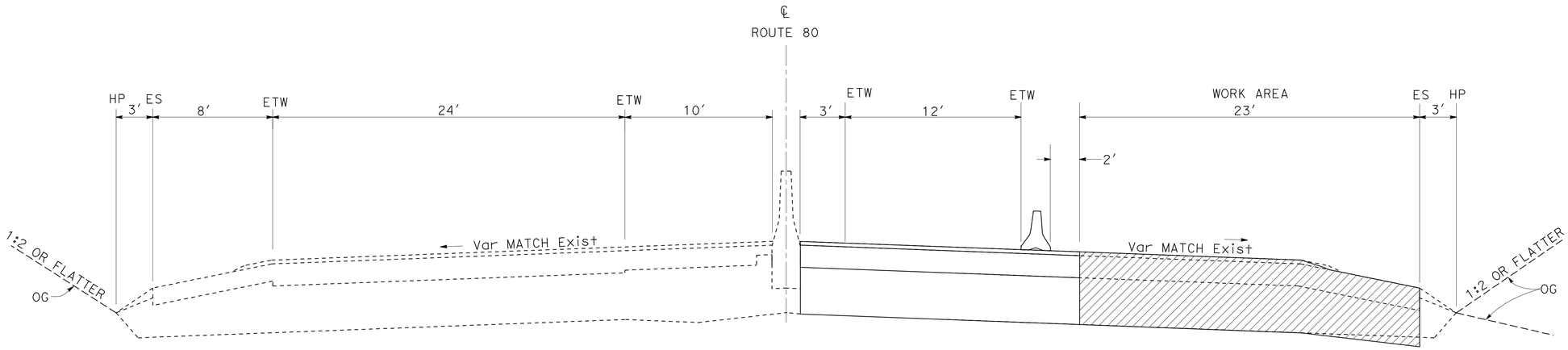
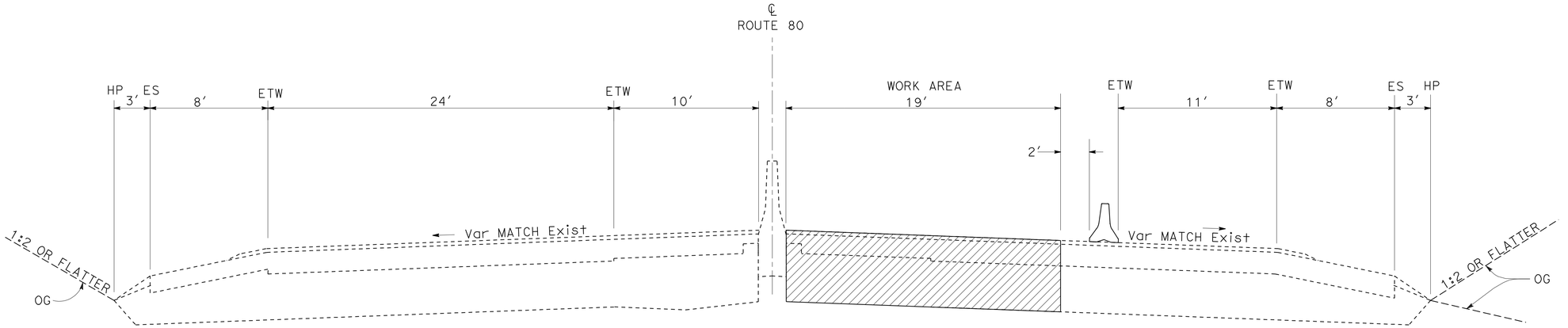


STAGE 4 & 5 - PHASE 2



STAGE 4 & 5 - PHASE 1

WEIMAR OH
PM 28.70 TO PM 28.76

STAGE CONSTRUCTION
STAGE 4 & 5
NO SCALE

SC-4

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
NORTH REGION
OFFICE OF DESIGN SOUTH
DESIGN BRANCH S2

FUNCTIONAL SUPERVISOR: GILBERT OGAZ

CALCULATED-DESIGNED BY: ANA SERRANO
CHECKED BY: ANA SERRANO

REVISED BY | DATE REVISED

LAST REVISION: DATE PLOTTED => 13-SEP-2010
00-00-00 TIME PLOTTED => 14:16

BORDER LAST REVISED 7/1/2010

USERNAME => trmnguye
DGN FILE => 0300000472ma004.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0322

PROJECT NUMBER & PHASE 03000004721

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	80	0.3/29.3	18	56

Ana Serrano 6-30-10
REGISTERED CIVIL ENGINEER DATE

9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ANA SERRANO
No. 65977
Exp. 6-30-12
CIVIL
STATE OF CALIFORNIA

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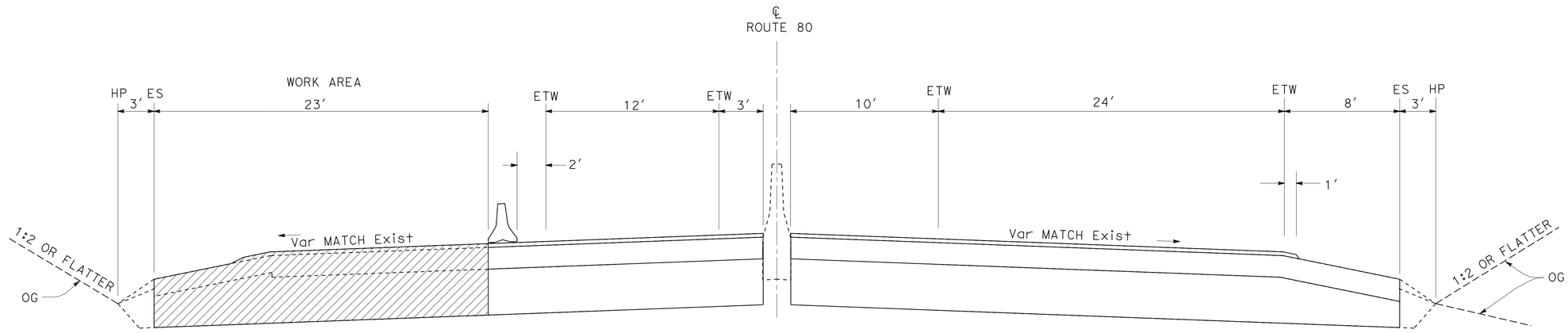
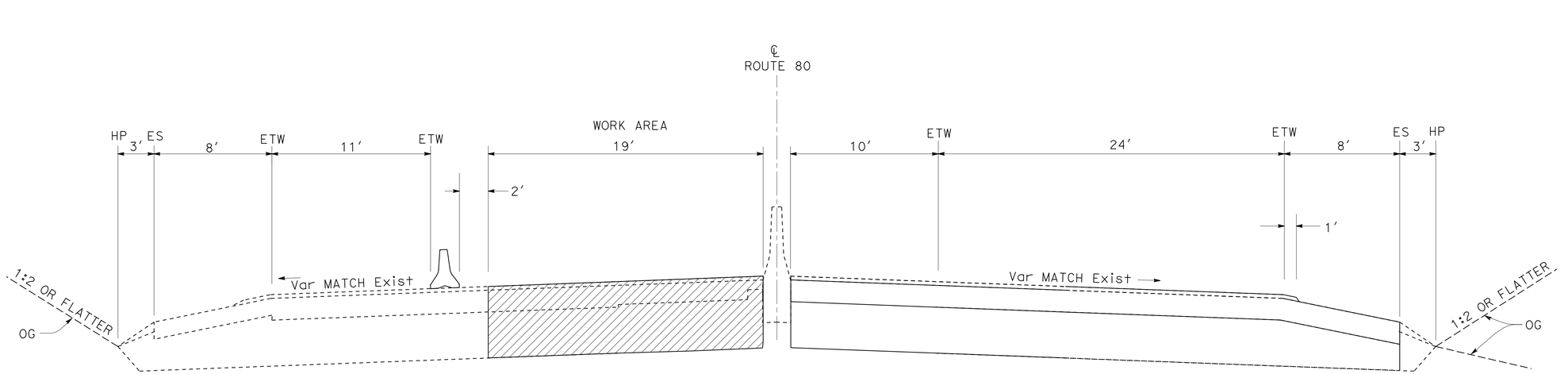
NOTES:

WORK TO BE DONE DURING STAGE 4 & 5

1. STAGE 4 - REPLACE STRUCTURAL SECTION WESTBOUND ROUTE 80
2. STAGE 5 - REPLACE APPROACH SLABS WESTBOUND ROUTE 80



STAGE 4 & 5 - PHASE 4



STAGE 4 & 5 - PHASE 3

WEIMAR OH
PM 28.70 TO PM 28.76

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

STAGE CONSTRUCTION
STAGE 4 & 5
NO SCALE

SC-5

REVISED BY | DATE REVISED
ANA SERRANO | ANA SERRANO
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: GILBERT OGAZ
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
NORTH REGION
OFFICE OF DESIGN SOUTH
DESIGN BRANCH S2

LAST REVISION 00-00-00 | DATE PLOTTED => 13-SEP-2010 | TIME PLOTTED => 14:16

BORDER LAST REVISED 7/1/2010 | USERNAME => trmnguye | DGN FILE => 0300000472ma005.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0322 | PROJECT NUMBER & PHASE 03000004721

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	80	0.3/29.3	19	56

Ana Serrano 6-30-10
REGISTERED CIVIL ENGINEER DATE

9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ANA SERRANO
No. 65977
Exp. 6-30-12
CIVIL
STATE OF CALIFORNIA

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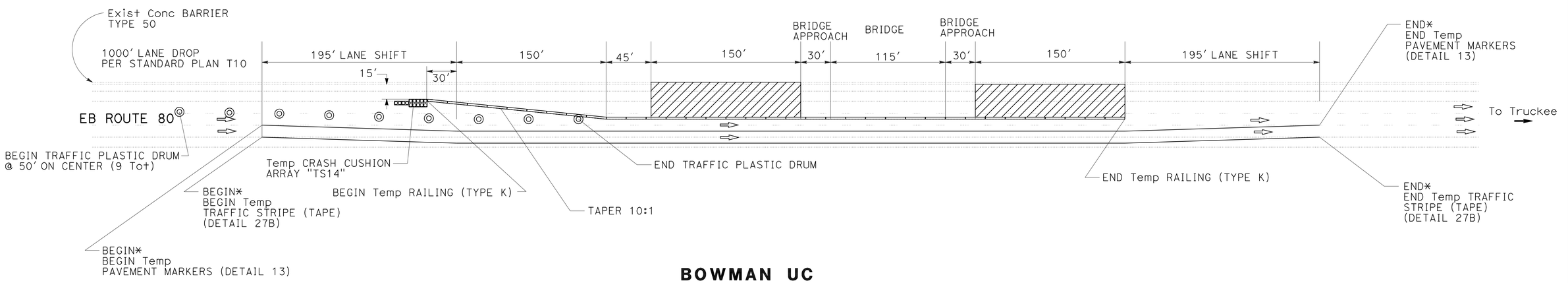
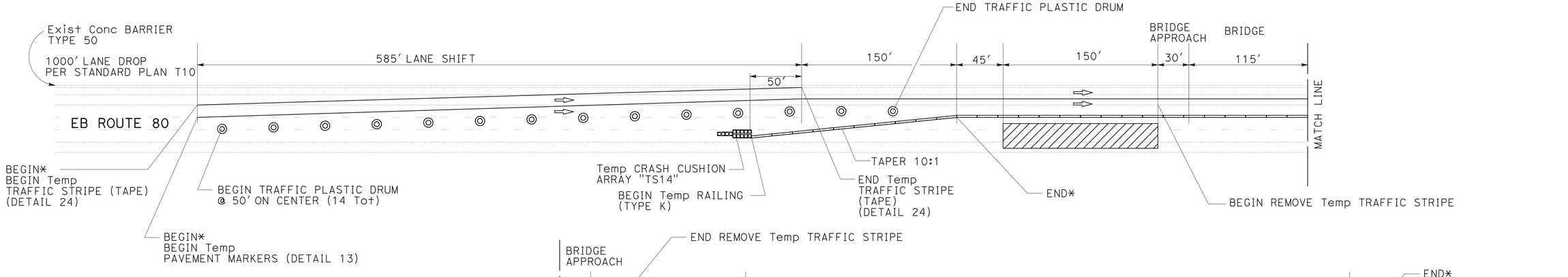
NOTES:

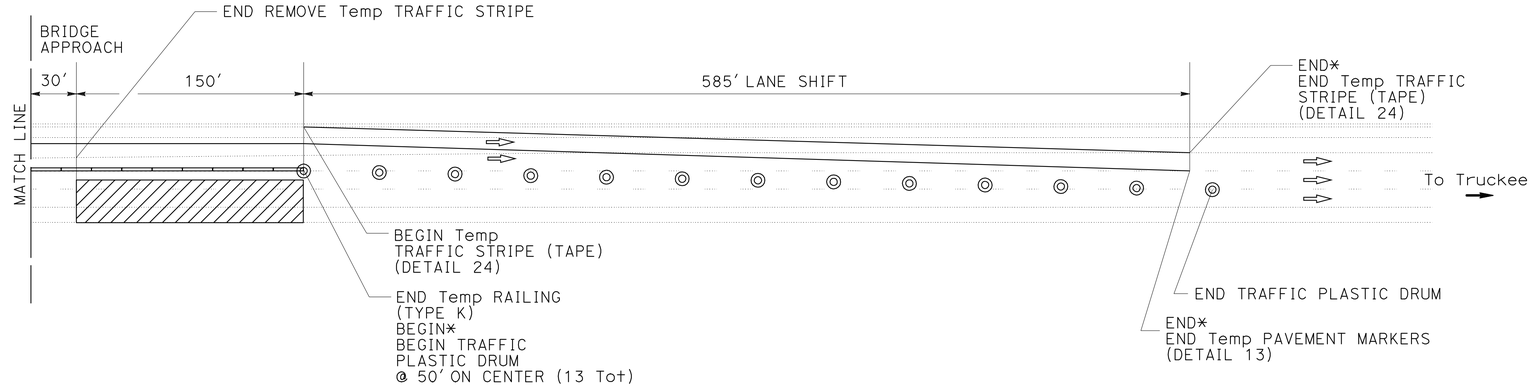
1. SEE STAGE CONSTRUCTION STAGE 1 PHASE 1
2. SEE STAGE CONSTRUCTION STAGE 1 PHASE 2
3. SAME LAYOUT CONFIGURATION TO BE USED FOR WESTBOUND DIRECTION FOR STAGE 1 - PHASE 3 & STAGE 1 - PHASE 4
4. ALL CONFLICTING STRIPE TO BE COVERED WITH TEMPORARY BLACK TAPE
5. RESTORE STRIPING TO ORIGINAL CONFIGURATION AT COMPLETION OF PHASE

* "COVER EXISTING LANE LINE WITH BLACK TAPE"



BOWMAN UC
STAGE 1 - PHASE 1
(SEE NOTE 1)





LEGEND:

◎ TRAFFIC PLASTIC DRUM

▨ WORK AREA

BOWMAN UC
STAGE 1 - PHASE 2
(SEE NOTE 2)

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN

NO SCALE

TH-1

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LAST REVISION 00-00-00
DATE PLOTTED => 13-SEP-2010
TIME PLOTTED => 14:16

BORDER LAST REVISED 7/1/2010

USERNAME => trmnguye
DGN FILE => 0300000472md001.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0322

PROJECT NUMBER & PHASE 03000004721

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	80	0.3/29.3	20	56

Ana Serrano 6-30-10
REGISTERED CIVIL ENGINEER DATE

9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ANA SERRANO
No. 65977
Exp. 6-30-12
CIVIL
STATE OF CALIFORNIA

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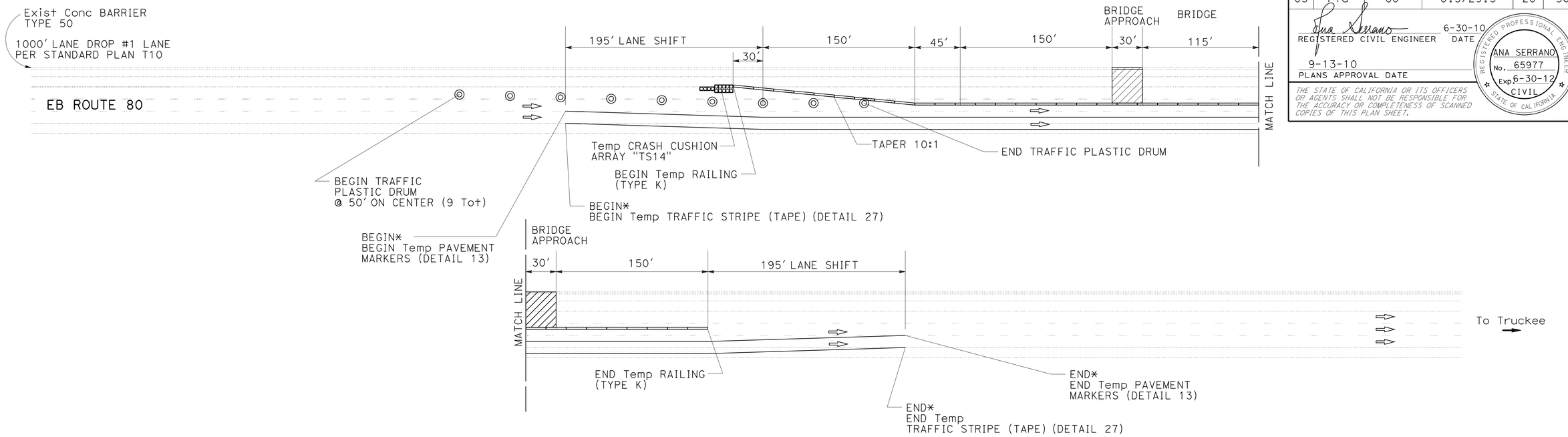
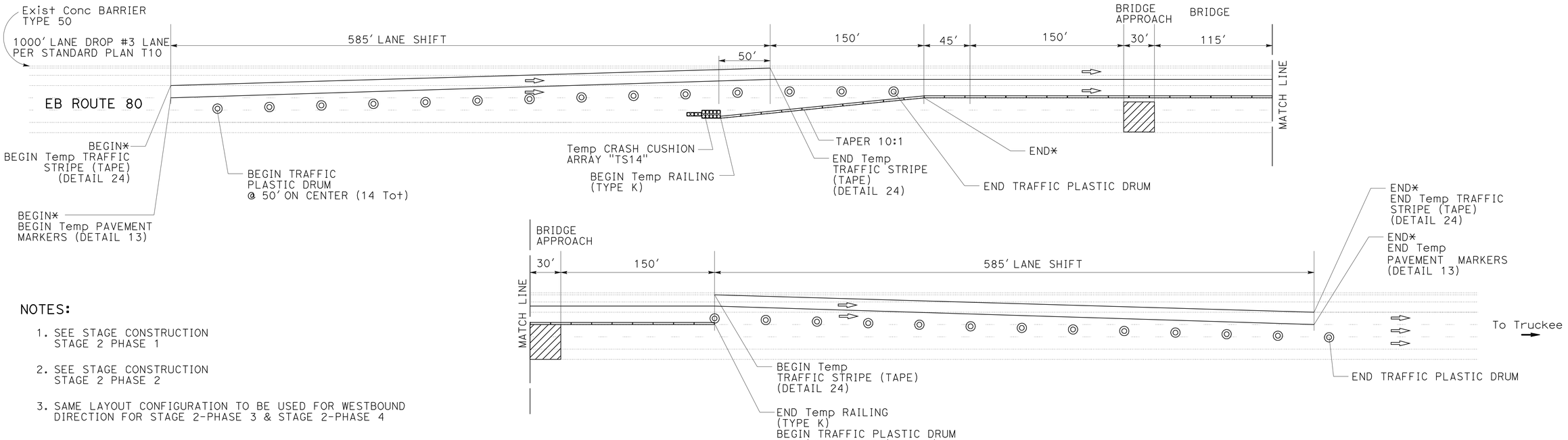


BOWMAN UC
STAGE 2 - PHASE 1
(SEE NOTE 1)



NOTES:

1. SEE STAGE CONSTRUCTION STAGE 2 PHASE 1
2. SEE STAGE CONSTRUCTION STAGE 2 PHASE 2
3. SAME LAYOUT CONFIGURATION TO BE USED FOR WESTBOUND DIRECTION FOR STAGE 2-PHASE 3 & STAGE 2-PHASE 4

BOWMAN UC
STAGE 2 - PHASE 2
(SEE NOTE 2)

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TRAFFIC HANDLING PLAN

NO SCALE

TH-2

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USERNAME => trmnguye
DGN FILE => 0300000472md002.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0322
PROJECT NUMBER & PHASE 03000004721

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	80	0.3/29.3	21	56

Ana Serrano 6-30-10
REGISTERED CIVIL ENGINEER DATE

9-13-10
PLANS APPROVAL DATE

ANA SERRANO No. 65977 Exp. 6-30-12 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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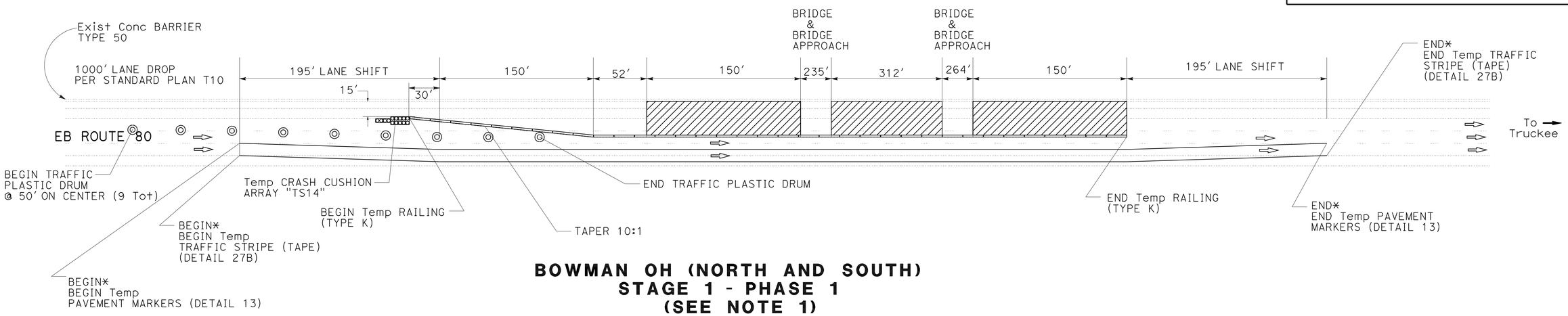
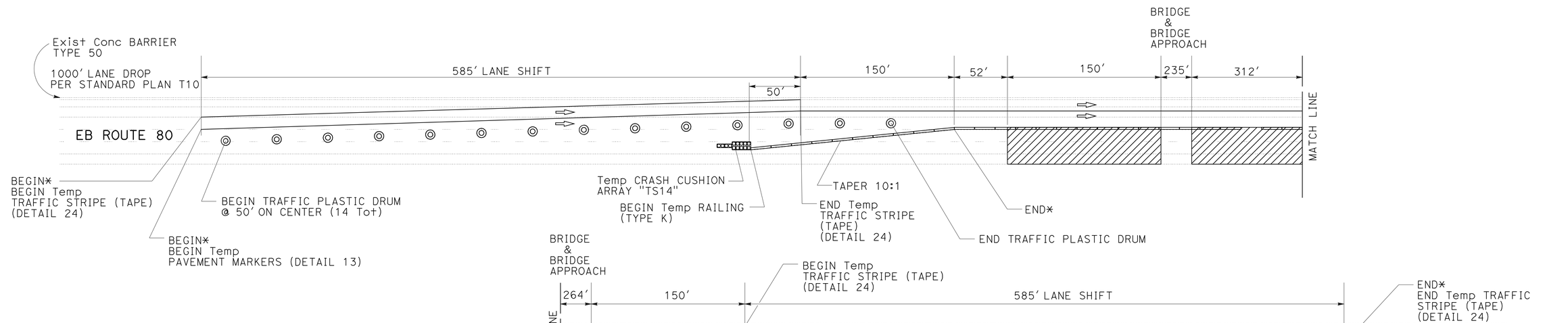


BOWMAN OH (NORTH AND SOUTH)
STAGE 1 - PHASE 1
(SEE NOTE 1)



NOTES:

1. SEE STAGE CONSTRUCTION STAGE 1 PHASE 1
2. SEE STAGE CONSTRUCTION STAGE 1 PHASE 2
3. SAME LAYOUT CONFIGURATION TO BE USED FOR WESTBOUND DIRECTION FOR STAGE 1-PHASE 3 & STAGE 1-PHASE 4

BOWMAN OH (NORTH AND SOUTH)
STAGE 1 - PHASE 2
(SEE NOTE 2)

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TRAFFIC HANDLING PLAN

NO SCALE

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USERNAME => trmnguye
DGN FILE => 0300000472md003.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0322
PROJECT NUMBER & PHASE 03000004721

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	80	0.3/29.3	22	56

Ana Serrano 6-30-10
REGISTERED CIVIL ENGINEER DATE

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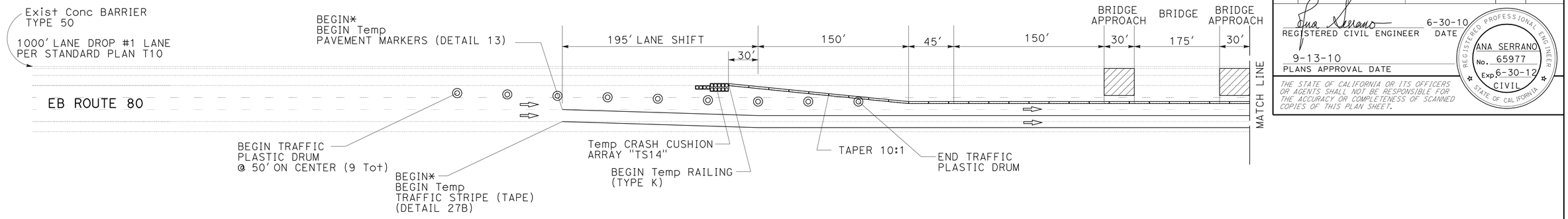
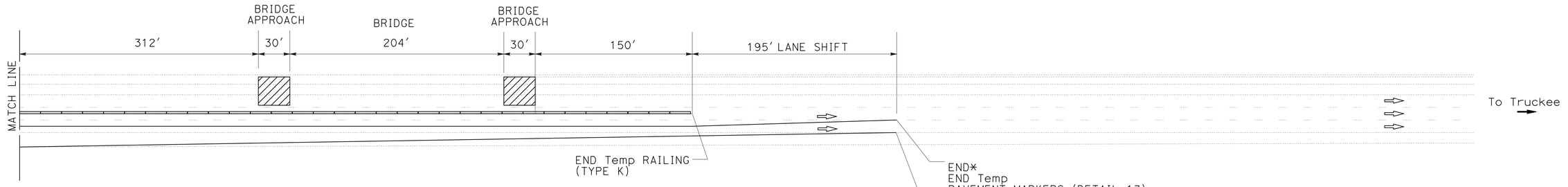
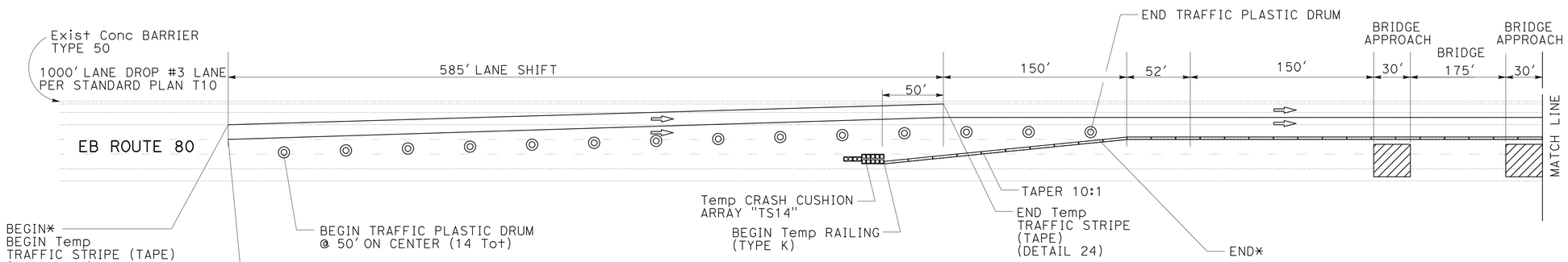
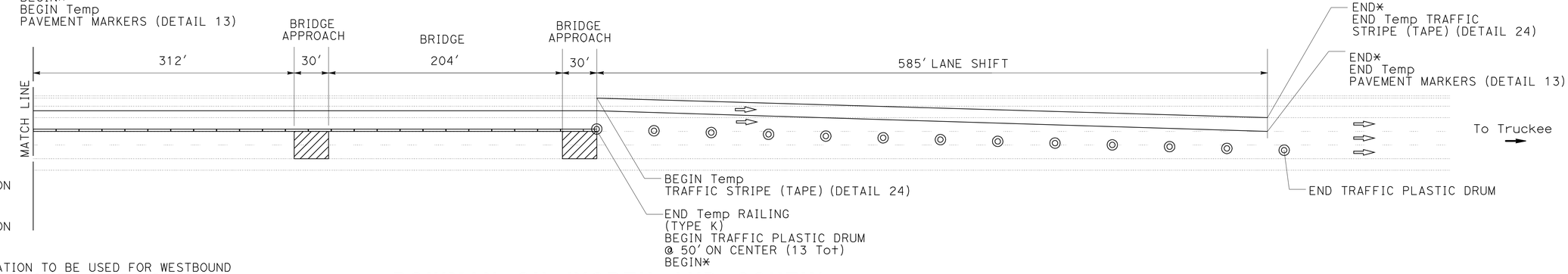
REGISTERED PROFESSIONAL ENGINEER
ANA SERRANO
No. 65977
Exp. 6-30-12
CIVIL
STATE OF CALIFORNIA





BOWMAN OH (NORTH AND SOUTH)
STAGE 2 - PHASE 1





NOTES:

1. SEE STAGE CONSTRUCTION STAGE 2 PHASE 1
2. SEE STAGE CONSTRUCTION STAGE 2 PHASE 2
3. SAME LAYOUT CONFIGURATION TO BE USED FOR WESTBOUND DIRECTION FOR STAGE 2-PHASE 3 & STAGE 2-PHASE 4

BOWMAN OH (NORTH AND SOUTH)
STAGE 2 - PHASE 2

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TRAFFIC HANDLING PLAN

NO SCALE

TH-4

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USERNAME => trmnguye
DGN FILE => 0300000472md004.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0322
PROJECT NUMBER & PHASE 03000004721

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	80	0.3/29.3	23	56

Ana Serrano 6-30-10
REGISTERED CIVIL ENGINEER DATE

9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ANA SERRANO
No. 65977
Exp 6-30-12
CIVIL
STATE OF CALIFORNIA

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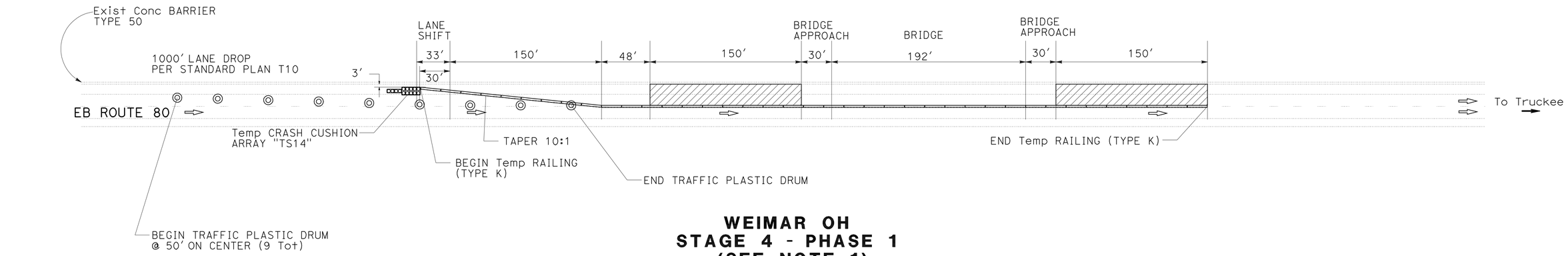
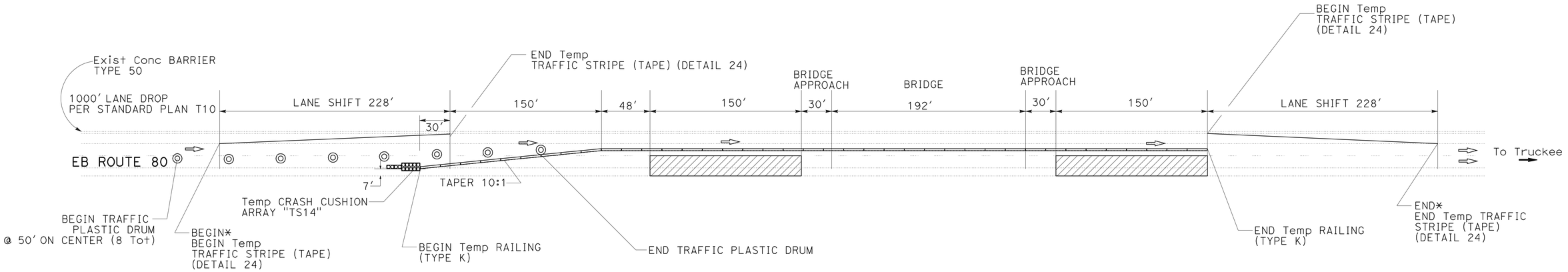


WEIMAR OH
STAGE 4 - PHASE 1
(SEE NOTE 1)



WEIMAR OH
STAGE 4 - PHASE 2
(SEE NOTE 2)

NOTES:

1. SEE STAGE CONSTRUCTION STAGE 4 PHASE 1
2. SEE STAGE CONSTRUCTION STAGE 4 PHASE 2
3. SAME LAYOUT CONFIGURATION TO BE USED FOR WESTBOUND DIRECTION FOR STAGE 4-PHASE 3 & STAGE 4-PHASE 4

TRAFFIC HANDLING PLAN

NO SCALE

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY

TH-5

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CHECKED BY:
REVISED BY: ANA SERRANO
DATE REVISED: ANA SERRANO

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USERNAME => s135318
DGN FILE => 0300000472md005.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0322
PROJECT NUMBER & PHASE 03000004721

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	80	0.3/29.3	24	56

Ana Serrano 6-30-10
REGISTERED CIVIL ENGINEER DATE

9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ANA SERRANO
No. 65977
Exp 6-30-12
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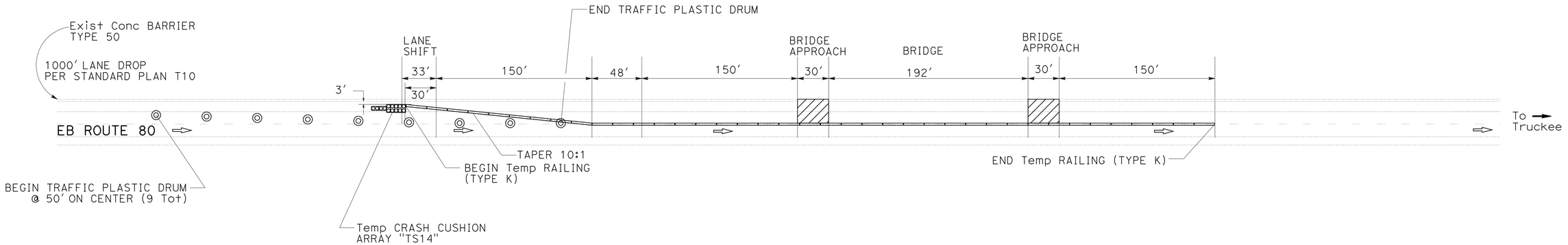
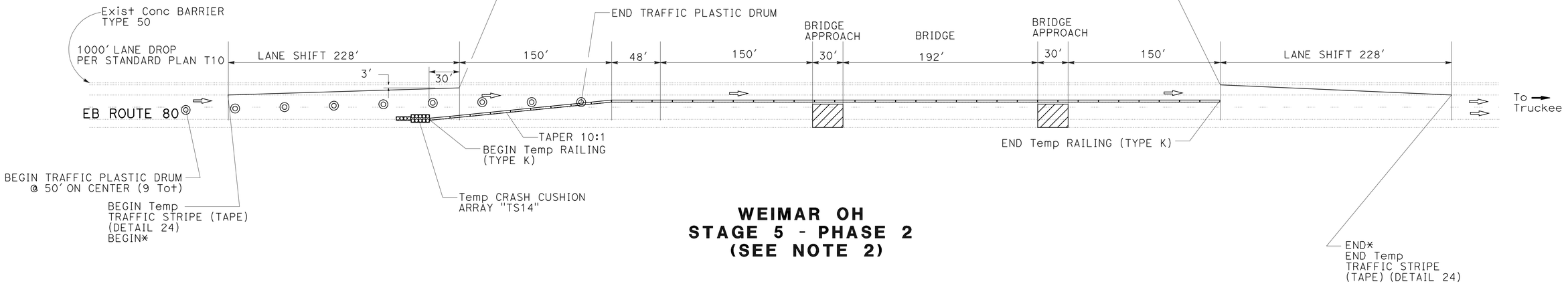


WEIMAR OH
STAGE 5 - PHASE 1
(SEE NOTE 1)



WEIMAR OH
STAGE 5 - PHASE 2
(SEE NOTE 2)

NOTES:

1. SEE STAGE CONSTRUCTION STAGE 5 PHASE 1
2. SEE STAGE CONSTRUCTION STAGE 5 PHASE 2
3. SAME LAYOUT CONFIGURATION TO BE USED FOR WESTBOUND DIRECTION FOR STAGE 5-PHASE 3 & STAGE 5-PHASE 4

TRAFFIC HANDLING PLAN

NO SCALE

TH-6

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	80	0.3/29.3	25	56

Ana Serrano 6-30-10
REGISTERED CIVIL ENGINEER DATE

9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ANA SERRANO
No. 65977
Exp 6-30-12
CIVIL
STATE OF CALIFORNIA

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TRAFFIC HANDLING ITEMS

LOCATION	STAGE - PHASE	DIRECTION		Temp TRAFFIC STRIPE (TAPE)	Temp RAILING (TYPE K)	Temp CRASH CUSHION MODULE	TRAFFIC PLASTIC DRUM	Temp PAVEMENT MARKER
		WB	EB	LF	LF	EA	EA	EA
BOWMAN UC	STAGE 1 - PHASE 1		X	3,180	700	14	9	92
BOWMAN UC	STAGE 1 - PHASE 2		X	4,330	720	14	27	156
BOWMAN UC	STAGE 2 - PHASE 1		X	3,180	700	14	9	92
BOWMAN UC	STAGE 2 - PHASE 2		X	4,330	720	14	27	156
BOWMAN UC	STAGE 1 - PHASE 3	X		3,180	700	14	9	92
BOWMAN UC	STAGE 1 - PHASE 4	X		4,330	720	14	27	156
BOWMAN UC	STAGE 2 - PHASE 3	X		3,180	700	14	9	92
BOWMAN UC	STAGE 2 - PHASE 4	X		4,330	720	14	27	156
BOWMAN OH	STAGE 1 - PHASE 1		X	5,115	1,360	14	9	144
BOWMAN OH	STAGE 1 - PHASE 2		X	4,973	1,380	14	27	208
BOWMAN OH	STAGE 2 - PHASE 1		X	5,074	1,340	14	9	144
BOWMAN OH	STAGE 2 - PHASE 2		X	4,823	1,220	14	27	196
BOWMAN OH	STAGE 1 - PHASE 3	X		5,115	1,360	14	9	144
BOWMAN OH	STAGE 1 - PHASE 4	X		4,973	1,380	14	27	208
BOWMAN OH	STAGE 2 - PHASE 3	X		5,074	1,340	14	9	144
BOWMAN OH	STAGE 2 - PHASE 4	X		4,823	1,220	14	27	196
WEIMAR OH	STAGE 4 - PHASE 1		X		780	14	9	
WEIMAR OH	STAGE 4 - PHASE 2		X	1,662	780	14	8	
WEIMAR OH	STAGE 5 - PHASE 1		X		780	14	9	
WEIMAR OH	STAGE 5 - PHASE 2		X	1,662	780	14	9	
WEIMAR OH	STAGE 4 - PHASE 3	X			780	14	9	
WEIMAR OH	STAGE 4 - PHASE 4	X		1,662	780	14	9	
WEIMAR OH	STAGE 5 - PHASE 3	X			780	14	9	
WEIMAR OH	STAGE 5 - PHASE 4	X		1,662	780	14	9	
TOTAL				76,658	22,520	336	359	2,376

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

REVISED BY | ANA SERRANO
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TRAFFIC HANDLING QUANTITIES

THQ-1

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RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0322
PROJECT NUMBER & PHASE 03000004721

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	80	0.3/29.3	26	56

Ana Serrano 6-30-10
REGISTERED CIVIL ENGINEER DATE

9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ANA SERRANO
No. 65977
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DELINEATOR & OBJECT MARKER & MILEPOST MARKER

LOCATION	DELINEATOR (CLASS 2) (TYPE F-2)	OBJECT MARKER (TYPE L-1)	MILEPOST MARKER
	EA	EA	EA
ROCKLIN RD UC PM 6.06			2
BOWMAN UC PM R20.09 TO R20.19	3	2	2
BOWMAN OH PM R20.54 TO R20.78	6	2	2
WEIMAR OH PM 28.65 TO 28.78	5	1	2
TOTAL	14	5	8

PAVEMENT DELINEATION ITEMS (1 OF 2)

LOCATION/POST MILE LIMITS	PAVEMENT MARKER (RETROREFLECTIVE)								PAVEMENT MARKER (RETROREFLECTIVE-RECESSED)			PAVEMENT MARKER (NON-REFLECTIVE)			
	TYPE C	TYPE D		TYPE G				TYPE H	TYPE C	TYPE G	TYPE H	TYPE A		TYPE AY	
	DETAIL 37	DETAIL 23	DETAIL 30	DETAIL 10	DETAIL 25	DETAIL 37	DETAIL 38	DETAIL 25	DETAIL 14A	DETAIL 12	DETAIL 25	DETAIL 10	DETAIL 13	DETAIL 23	DETAIL 30
	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
SOUTH ROSEVILLE OC PM 0.27	36	30	36	24		4	13					126		134	152
CIRBY WAY PM 0.69			56	16								76			248
LEAD HILL DRIVE OC PM 2.57		20		12			10					54		88	
ROCKLIN ROAD OC PM 6.01 TO 6.13					12			3					32		
PENRYN ROAD OC PM 10.35															
BOWMAN UC PM R20.09 TO R20.19										160	160				
BOWMAN OH PM R20.54 TO R20.78										212	212				
WEIMAR OH PM 28.65 TO 28.78									2	54	54				
WEIMAR CROSS ROAD OC PM 29.32															
SUBTOTAL	36	50	92	52	12	4	23	3	2	426	426	256	32	222	400
TOTAL	272								854			910			

PAVEMENT DELINEATION ITEMS (2 OF 2)

LOCATION/POST MILE LIMITS	THERMOPLASTIC PAVEMENT MARKING	THERMOPLASTIC TRAFFIC STRIPE							REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	REMOVE THERMOPLASTIC TRAFFIC STRIPE
		8" SOLID WHITE	6" SOLID WHITE	8" DASHED WHITE (BROKEN 12-3)	4" DASHED WHITE (BROKEN 36-12)	4" SOLID				
						YELLOW		WHITE		
	TYPE III (L)	DETAIL 38	DETAIL 39	DETAIL 37	DETAIL 12	DETAIL 21	DETAIL 25	DETAIL 27B		
	SQFT	LF	LF	LF	LF	LF	LF	LF	LF	LF
SOUTH ROSEVILLE OC PM 0.27	42.00	544.00		999.00						743.80
CIRBY WAY PM 0.69										1,050.00
LEAD HILL DRIVE OC PM 2.57	42.00	420.00	630.00							572.22
ROCKLIN ROAD OC PM 6.01 TO 6.13					381.48		189.94	189.94	190.74	664.20
PENRYN ROAD OC PM 10.35						664.20		664.20	664.20	
BOWMAN UC PM R20.09 TO R20.19					7,360.00		3,680.00	3,680.00		
BOWMAN OH PM R20.54 TO R20.78					9,932.00		4,966.00	4,966.00		
WEIMAR OH PM 28.65 TO 28.78					2,410.74		2,410.74	2,410.74		
WEIMAR CROSS ROAD OC PM 29.32						235.24		235.24	235.24	235.24
SUBTOTAL	84.00	964.00	630.00	999.00	20,084.22	899.44	11,246.68	12,146.12		
TOTAL	84.00	964.00	630.00	999.00	20,084.22	24,292.24			1,090.18	3,265.46

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DESIGN BRANCH S2

FUNCTIONAL SUPERVISOR: GILBERT OGAZ
CALCULATED-DESIGNED BY: ANA SERRANO
CHECKED BY: ANA SERRANO
REVISED BY
DATE REVISED

PAVEMENT DELINEATION QUANTITIES
PDQ-1

LAST REVISION DATE PLOTTED => 13-SEP-2010
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USERNAME => s135318
DGN FILE => 0300000472nc001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0322
PROJECT NUMBER & PHASE 03000004721

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METAL BEAM GUARD RAILING

POST MILE - LOCATION	DIRECTION		METAL BEAM GUARD RAILING	ALTERNATIVE FLARED TERMINAL SYSTEM	END ANCHOR ASSEMBLY (TYPE SFT)	ALTERNATIVE IN-LINE TERMINAL SYSTEM	TRANSITION RAILING (TYPE WB)	REMOVE METAL BEAM GUARD RAILING	REMARKS
	WB	EB	LF	EA	EA	EA	EA	LF	
PM 20.08 - BOWMAN UC		X	187.5	1			1	250.0	12B LAYOUT
PM 20.13 - BOWMAN UC	X		25.0		1		1	50.0	
PM 20.15 - BOWMAN UC		X	125.0		1		1	150.0	
PM 20.15 - BOWMAN UC	X			1			1	62.5	12B LAYOUT
PM 20.50 - BOWMAN OH (SOUTH)		X	350.0	1			1	412.5	12B LAYOUT
PM 20.62 - BOWMAN OH (SOUTH)	X			1			1	62.5	12B LAYOUT
PM 20.62 - BOWMAN OH (S&N) IN BETWEEN		X	312.5				2	362.5	12D LAYOUT
PM 20.74 - BOWMAN OH (NORTH)	X		225.0				1	250.0	CONNECT TO Exist
PM 20.74 - BOWMAN OH (NORTH)		X	175.0				1	200.0	CONNECT TO Exist
PM 28.70 - WEIMAR OH		X	75.0	1			1	137.5	12B LAYOUT
PM 28.76 - WEIMAR OH		X	200.0				1	225.0	CONNECT TO Exist
PM 28.76 - WEIMAR OH	X		12.5			1	1	87.5	12A LAYOUT
TOTAL			1687.5	5	2	1	13	2250.0	

MAINTENANCE VEHICLE PULLOUT

POSTMILE - LOCATION	* HMA (TYPE A)	* CLASS 2 AB	* ROADWAY EXCAVATION
	TON	CY	CY
PM 28.70 - WB NEAR WEIMAR OH	39.4	21.6	41.1
TOTAL	39.4	21.6	41.1

* FOR TOTAL QUANTITY, SEE ROADWAY ITEMS TABLE

PLACE HMA (MISCELLANEOUS AREA)

POSTMILE - LOCATION	DIRECTION		REMOVE ENTRANCE TAPER	PLACE HMA (Misc AREA)	HMA (TYPE A) *	REMARKS
	WB	EB	EA	SQYD	TON	
PM 20.15 - BOWMAN UC	X		1	2.0	0.3	OSD
PM 20.68 - BOWMAN OH (N)	X		1	6.3	1.1	OSD
PM 20.68 - IN BETWEEN OH		X	1	1.8	0.3	OSD
PM 28.70 - WEIMAR OH	X		1	5.6	0.9	OSD
TOTAL			4	15.7	2.6	

* FOR TOTAL QUANTITY, SEE ROADWAY ITEMS TABLE

HMA DIKE

POSTMILE - LOCATION	DIRECTION		PLACE HMA DIKE (TYPE A)	PLACE HMA DIKE (TYPE C)	PLACE HMA DIKE (TYPE E)	PLACE HMA DIKE (TYPE F)	HMA (TYPE A) *	REMARKS
	WB	EB	LF	LF	LF	LF	TON	
PM 20.07 - BOWMAN UC		X		62.0		212.0	3.3	BOWMAN UC
PM 20.09 - BOWMAN UC	X		160.0				4.4	WEST OF BOWMAN UC
PM 20.15 - BOWMAN UC		X			7.2	143.0	2.1	BOWMAN UC
PM 20.55 - BOWMAN OH	X				160.0		4.2	BOWMAN OH (SOUTH)
PM 20.59 - BOWMAN OH		X				65.6	0.9	BOWMAN OH (SOUTH)
PM 20.61 - BOWMAN OH	X		296.6	62.3		11.2	8.8	
PM 20.63 - BOWMAN OH		X				360.6	4.9	IN BETWEEN
PM 20.74 - BOWMAN OH		X				160.0	2.1	BOWMAN OH (NORTH)
PM 28.69 - WEIMAR		X		62.3		100.1	1.8	WEIMAR
PM 28.73 - WEIMAR	X		126.0		66.7		5.1	WEIMAR
PM 28.77 - WEIMAR	X			74.8		42.0	1.1	WEIMAR
TOTAL			582.6	261.4	233.9	1094.5	38.7	

* FOR TOTAL QUANTITY, SEE ROADWAY ITEMS TABLE

SUMMARY OF QUANTITIES

Q-1

REVISED BY | DATE REVISED
ANA SERRANO | ANA SERRANO
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: GILBERT OGAZ
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
NORTH REGION
OFFICE OF DESIGN SOUTH
DESIGN BRANCH S2

LAST REVISION | DATE PLOTTED => 13-SEP-2010
00-00-00 | TIME PLOTTED => 13:51

BORDER LAST REVISED 7/1/2010 | USERNAME => s135318 | DGN FILE => 0300000472pa001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0322 | PROJECT NUMBER & PHASE 03000004721

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	80	0.3/29.3	28	56

Ana Serrano 6-30-10
REGISTERED CIVIL ENGINEER DATE

9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ANA SERRANO
No. 65977
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.

ROADWAY ITEMS

POST MILE LIMIT	DIRECTION		ROADWAY EXCAVATION	EMBANKMENT	HOT MIX ASPHALT (TYPE A)	RUBBERIZED HOT MIX ASPHALT (OPEN GRADED)	CLASS 2 AGGREGATE BASE	COLD PLANE ASPHALT CONCRETE PAVEMENT	TACK COAT	REMARKS
	EB	WB	CY	CY	TON	TON	CY	SQYD	TON	
PM R20.10 TO R20.20	X	X	3,640.0		2,268.0	284.00	2,380.0		5.44	RECONSTRUCT STRUCTURAL AREA AT BOWMAN UC
PM R20.55 TO R20.59	X	X	1,820.0		1,134.0	142.00	1,190.0		2.17	RECONSTRUCT STRUCTURAL AREA AT BOWMAN OH SOUTH
PM R20.62 TO R20.69	X	X	4,513.6		2,381.4	352.00	2,951.2		3.81	RECONSTRUCT STRUCTURAL AREA IN BETWEEN BOWMAN OH S & N
PM R20.73 TO R20.76	X	X	1,820.0		1,134.0	142.00	1,190.0		1.63	RECONSTRUCT STRUCTURAL AREA AT BOWMAN OH NORTH
PM R28.65 TO R28.78	X	X	2,657.8		1,656.0	207.00	1,737.8		2.15	RECONSTRUCT STRUCTURAL AREA AT WEIMAR OH
PM R19.94 TO R20.28						778.05		426.9		BOWMAN UC LANE SHIFT RESTRIPE
PM R20.39 TO R20.85						782.04		429.1		BOWMAN OH LANE SHIFT RESTRIPE
PM R25.57 TO R25.80						276.12		151.5		WEIMAR OH LANE SHIFT RESTRIPE
HMA DIKE					38.7					
PLACE HMA (Misc AREA)					2.6					
MAINTENANCE VEHICLE PULLOUT			41.1		39.4		21.6			
VARIOUS LOCATIONS				1,200						
TOTAL			14,492.5	1,200	8,654.1	2,963.21	9,470.6	1,007.5	15.20	

RUMBLE STRIPS

POST MILE LIMIT	DIRECTION		RUMBLE STRIP	
			MEDIAN SHOULDER	OUTSIDE SHOULDER
	EB	WB	Sta	Sta
PM R20.09 TO R20.19		X	4.75	
PM R20.09 TO R20.19		X		4.75
PM R20.54 TO R20.78		X	8.50	
PM R20.54 TO R20.78		X		8.50
PM 28.65 TO 28.65		X	4.47	
PM 28.65 TO 28.78		X		4.47
PM R20.09 TO R20.19	X		4.75	
PM R20.09 TO R20.19	X			4.75
PM R20.54 TO R20.78	X		8.50	
PM R20.54 TO R20.78	X			8.50
PM 28.65 TO 28.65	X		4.47	
PM 28.65 TO 28.78	X			4.47
SUBTOTAL			35.44	35.44
TOTAL			70.88	

CONSTRUCTION BMPs

	UNIT	QUANTITY
TEMPORARY DRAINAGE INLET PROTECTION	EA	5
TEMPORARY CONCRETE WASHOUT FACILITY	EA	3

TEMPORARY FENCE (TYPE ESA)

LOCATION	LENGTH (LF)	REMARKS
WEIMAR CROSS ROAD OC	600	FENCING TO BE PLACED AT STAGING AREA NEAR PM 29.32

EROSION CONTROL (HYDROSEED) (SQFT)

LOCATION	SQFT
PM R20.10 TO R28.78	52,590

ADJUST DRAINAGE INLET

LOCATION	ADJUST INLET
	EA
BOWMAN UC, WESTBOUND	1
BOWMAN UC, EASTBOUND	3
WEIMAR, EASTBOUND	1
TOTAL	5

NOTE: EMBANKMENT TO BE USED AS REQUIRED OR DIRECTED BY ENGINEER

SUMMARY OF QUANTITIES

Q-2

REVISED BY | DATE REVISED
ANA SERRANO | ANA SERRANO
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: GILBERT OGAZ
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
NORTH REGION
OFFICE OF DESIGN SOUTH
DESIGN BRANCH S2

LAST REVISION 00-00-00
DATE PLOTTED => 13-SEP-2010
TIME PLOTTED => 16:55

BORDER LAST REVISED 7/1/2010
USERNAME => trstrk
DGN FILE => 0300000472pa002.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0322
PROJECT NUMBER & PHASE 03000004721

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla	80	0.3/29.3	29	56

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

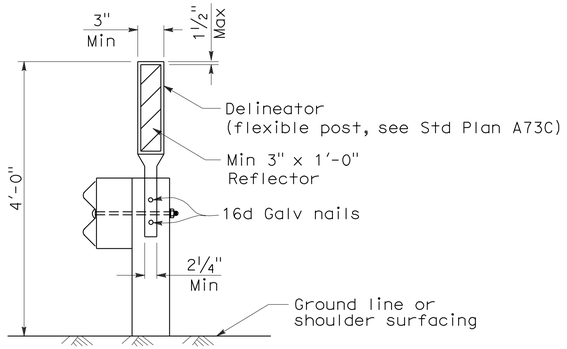
REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

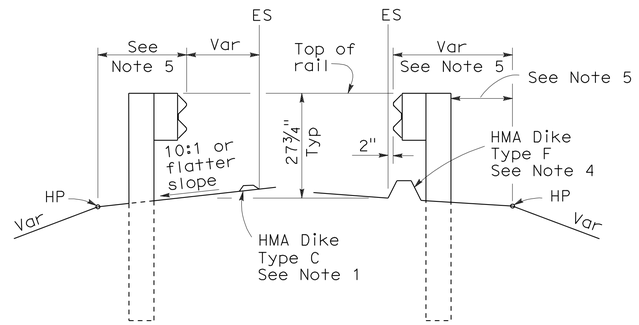
To accompany plans dated 9-13-10

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

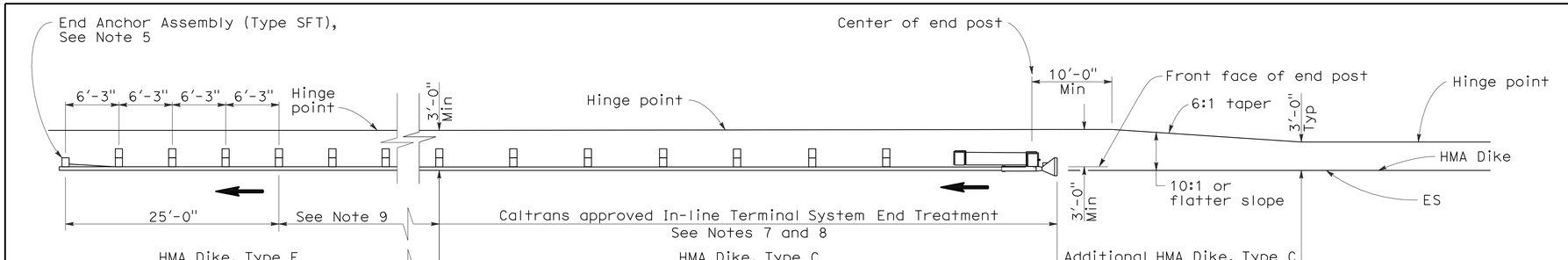
NO SCALE

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

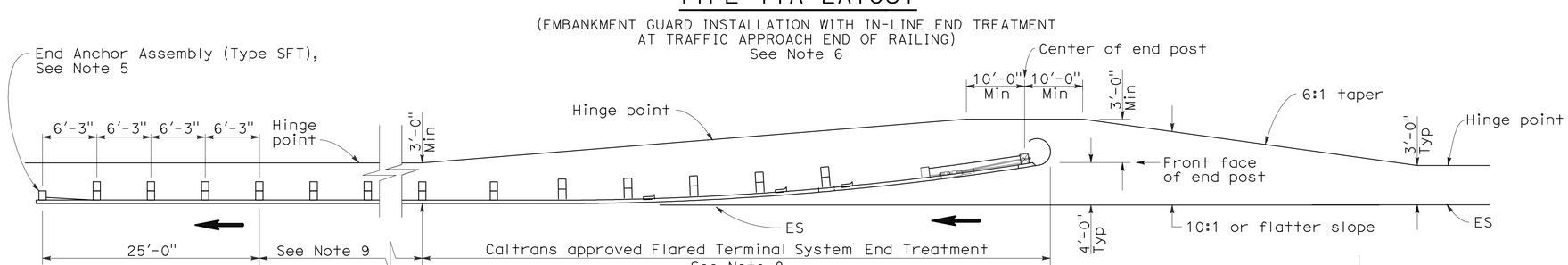
2006 REVISED STANDARD PLAN RSP A77C4

12-10-07



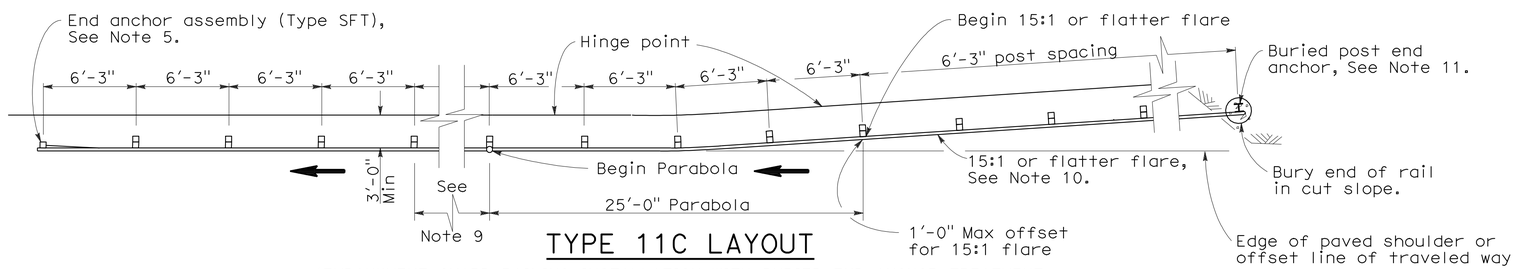
TYPE 11A LAYOUT

(EMBANKMENT GUARD INSTALLATION WITH IN-LINE END TREATMENT AT TRAFFIC APPROACH END OF RAILING)
See Note 6



TYPE 11B LAYOUT

(EMBANKMENT GUARD RAILING INSTALLATION WITH FLARED END TREATMENT AT TRAFFIC APPROACH END OF RAILING)
See Note 6



TYPE 11C LAYOUT

(EMBANKMENT GUARD RAILING INSTALLATION WITH BURIED END ANCHOR TREATMENT AT TRAFFIC APPROACH END OF RAILING)
See Notes 6 and 12

NOTES:

1. Line post, blocks and hardware to be used are shown on Standard Plans A77A1, A77A2, A77B1, A77C1, and A77C2.
2. Guard rail 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 recycled plastic blocks may be used for 6" x 8" x 6'-0" wood post with 6" x 8" x 1'-2" wood blocks where applicable and when specified.
4. Direction of adjacent traffic indicated by ➡.
5. For End Anchor Assembly (Type SFT) details, see Standard Plan A77H1.
6. Layout Types 11A, 11B or 11C are typically used where guard railing is recommended to shield embankment slopes and a crashworthy end treatment is required for only one direction of traffic.
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 end treatment to be used will be shown on the Project Plans.
9. Dependent on site conditions (embankment height and side slope), construction of additional guard railing (length equal to multiples of 12'-6" with 6'-3" post spacing) may be advisable.
10. The 15:1 or flatter flare used with buried end anchors 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".
11. For details of the buried post end anchor used with Type 11C Layout, see Standard Plan A77I2.
12. Where placement of dike is required with guard railing installations, see Revised Standard Plan RSP A77C4 for dike positioning details.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla	80	0.3/29.3	30	56

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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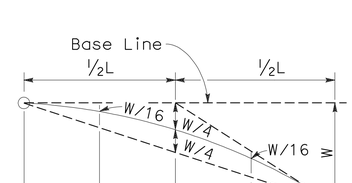
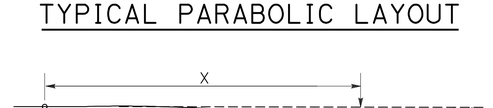
To accompany plans dated 9-13-10



TYPICAL PARABOLIC LAYOUT

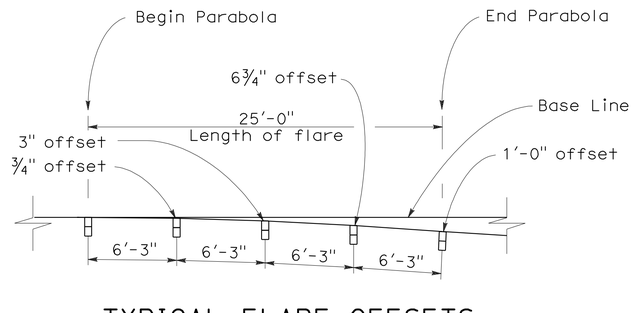


Base Line (Edge of paved shoulder or offset line of edge of traveled way)

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

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

PARABOLIC FLARE OFFSETS



TYPICAL FLARE OFFSETS FOR 1 FOOT MAX END OFFSET

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

METAL BEAM GUARD RAILING TYPICAL LAYOUTS FOR EMBANKMENTS

NO SCALE

RSP A77E1 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN A77E1
DATED MAY 1, 2006 - PAGE 48 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP A77E1

2006 REVISED STANDARD PLAN RSP A77E1

12-10-07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla	80	0.3/29.3	31	56

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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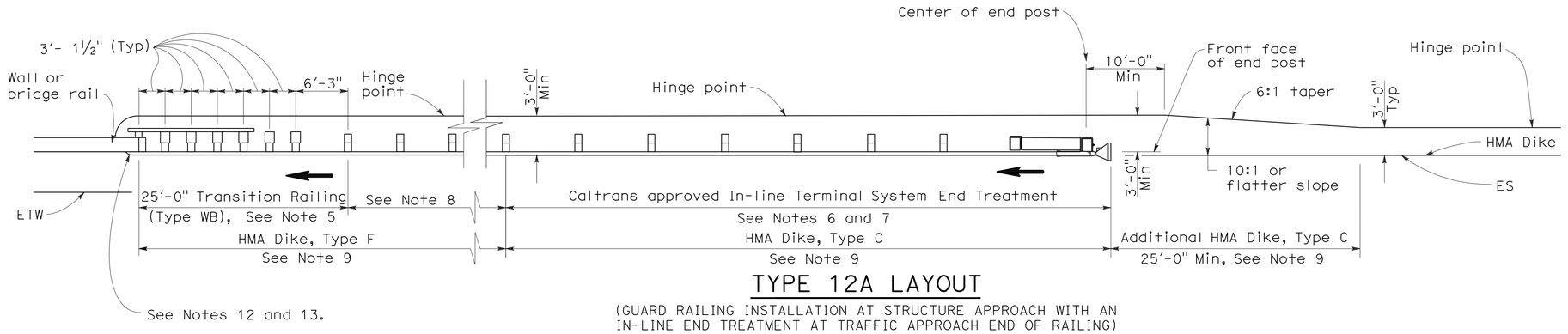
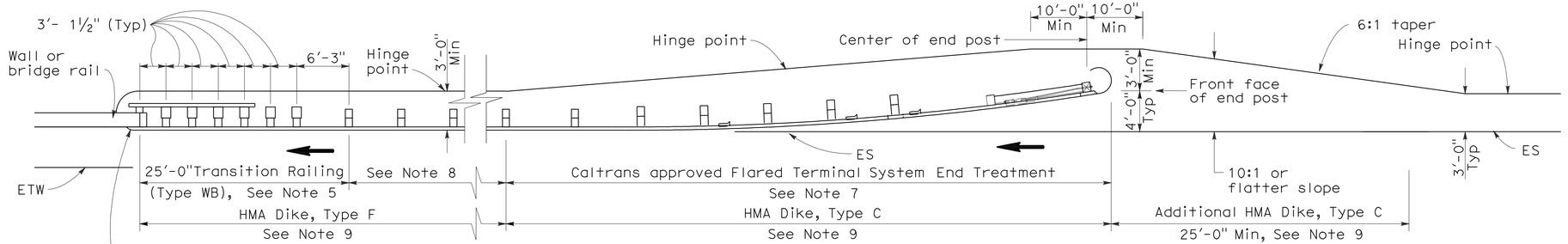
To accompany plans dated 9-13-10



TYPE 12A LAYOUT

(GUARD RAILING INSTALLATION AT STRUCTURE APPROACH WITH AN IN-LINE END TREATMENT AT TRAFFIC APPROACH END OF RAILING)
See Notes 10



TYPE 12B LAYOUT

(GUARD RAILING INSTALLATION AT STRUCTURE APPROACH WITH A FLARED END TREATMENT AT TRAFFIC APPROACH END OF RAILING)
See Notes 10

NOTES:

1. Line post, blocks and hardware to be used are shown on Standard Plans A77A1, A77A2, A77B1, A77C1 and A77C2.
2. Guard rail 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 plastic blocks may be used for 6" x 8" x 6'-0" wood posts with 6" x 8" x 1'-2" wood blocks where applicable and when specified.
4. Direction of adjacent traffic indicated by →.
5. For Transition Railing (Type WB) details for Types 12A and 12B Layouts, see Standard Plan A77J4.
6. In-line Terminal System End Treatments are used where site conditions will not accommodate a flared end treatment.
7. The type of terminal system end treatment to be used will be shown on the Project Plans.
8. Dependent on site conditions (embankment height, side slopes, or other fixed objects), it may be advisable to construct additional guard railing (a length equal to multiples of 12'-6" with 6'-3" post spacing) between the transition railing and end treatment.
9. Where placement of dike is required with guard railing installations, see Revised Standard Plan RSP A77C4 for dike positioning details.
10. Type 12A or Type 12B Layouts are typically used:
    a. To the right of approaching traffic, at the end of a structure, on two-lane conventional highway where the roadbed width across the structure is less than 40 feet.
    b. To the left of approaching traffic, at the end of a structure, on two-lane conventional highway where the roadbed width across the structure is less than 40 feet.
    c. To the right of approaching traffic at the end of each structure on multilane freeways or expressways with separate adjacent or parallel bridges.
    d. To the right of approaching traffic at the end of the structure on multilane freeways or expressways with decked median on the bridge.
11. See Revised Standard Plan RSP A77F3 for typical layout used left of approaching traffic at the ends of each structure on multilane freeways or expressways with separate adjacent or parallel bridges.
12. For additional details of typical connections to bridge rail, see Connection Detail AA on Revised Standard Plans RSP A77J1 and RSP A77J2 and Connection Detail FF on Standard Plans A77K1 and A77K2.
13. For additional details of a typical connection to walls or abutments, see Standard Plan A77J3.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

METAL BEAM GUARD RAILING TYPICAL LAYOUTS FOR STRUCTURE APPROACH

NO SCALE

RSP A77F1 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN A77F1
DATED MAY 1, 2006 - PAGE 54 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP A77F1

2006 REVISED STANDARD PLAN RSP A77F1

12-10-07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla	80	0.3/29.3	32	56

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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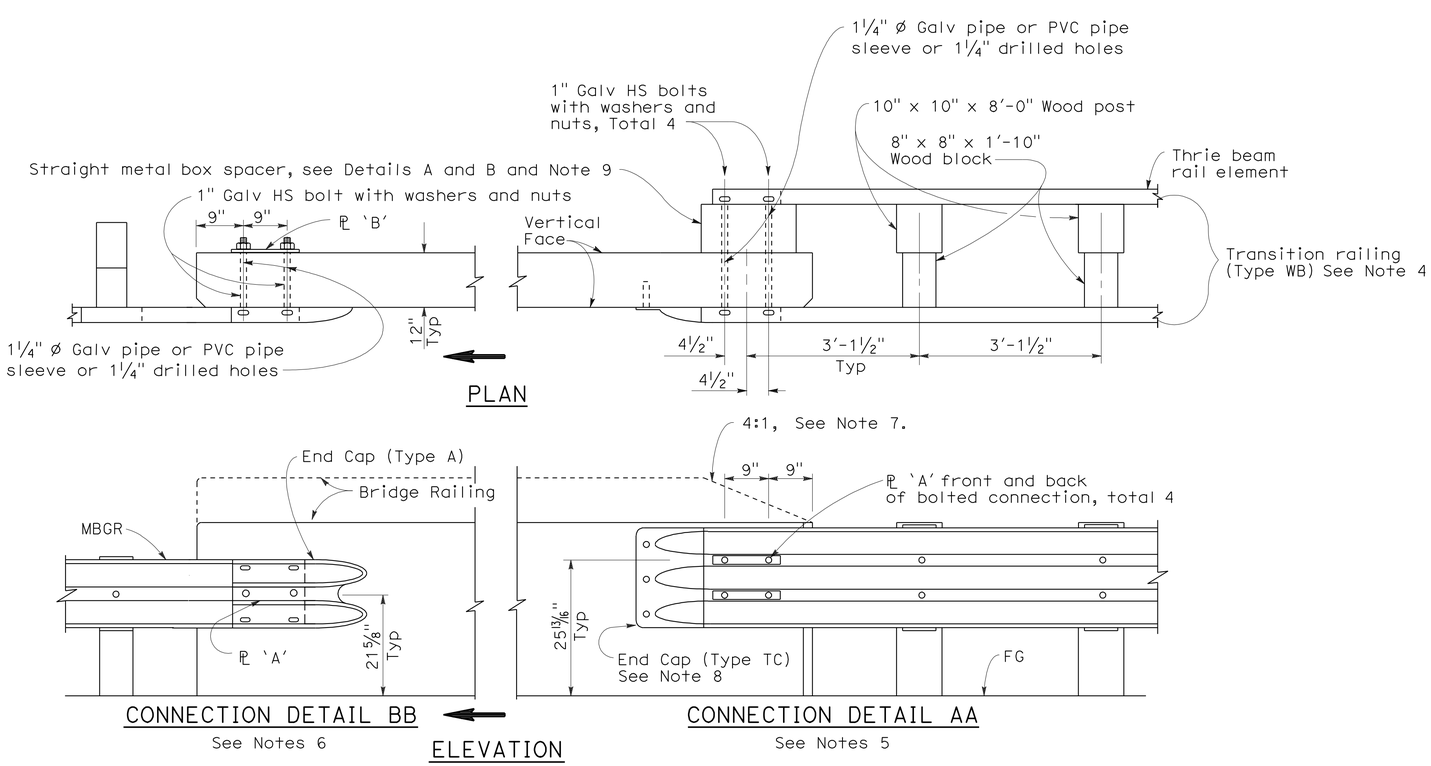
To accompany plans dated 9-13-10



GUARD RAILING CONNECTION TO BRIDGE RAILING WITHOUT SIDEWALK

NOTES:

1. See Revised Standard Plan RSP A77J2 for additional connection details to bridges without sidewalks.
2. Additional details of posts, blocks and hardware are shown on Standard Plan A77B1, A77C1 and A77C2.
3. Direction of adjacent traffic indicated by ➞.
4. For additional details of Transition Railing (Type WB), see Standard Plan A77J4. Transition Railing (Type WB) transitions the 12 gage w-beam standard railing section of guard railing to a heavier gage nested thrie beam railing section which is connected to the concrete bridge railing.
5. For typical use of Connection Detail AA, see Layout Types 12A and 12B on Revised Standard Plan RSP A77F1, Layout Types 12C and 12D on Standard Plan A77F2, and Layout Type 12E on Revised Standard Plan RSP A77F3.
6. For typical use of Connection Detail BB, see Layout Type 12D (structure departure railing connection) on Standard Plan A77F2 and Layout Type 12DD on Standard Plan A77F5.
7. Where the height of the bridge railing exceeds the height of the thrie beam railing by more than 1" at Connection Detail AA, taper the top of the end of the bridge railing at 4:1 to match the top elevation of the thrie beam rail.
8. For details of End Cap (Type TC), see Standard Plan A77J4.
9. See Standard Plan A77J4 for additional details regarding depth dimension for straight metal box spacer.

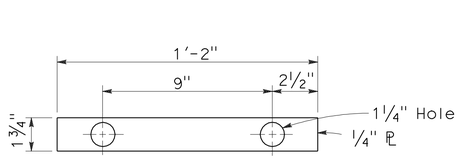


PLATE 'A'

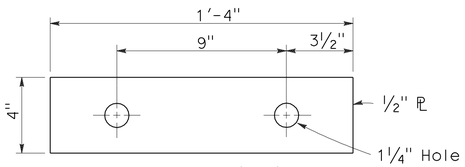
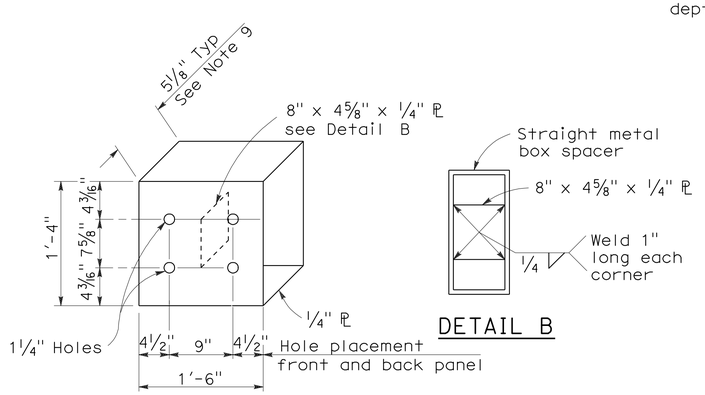


PLATE 'B'
(For backside of connection BB)



DETAIL A

STRAIGHT METAL BOX SPACER

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

METAL BEAM GUARD RAILING CONNECTIONS TO BRIDGE RAILINGS WITHOUT SIDEWALKS DETAILS No.1

NO SCALE

RSP A77J1 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN A77J1
DATED MAY 1, 2006 - PAGE 72 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP A77J1

2006 REVISED STANDARD PLAN RSP A77J1

12-10-07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla	80	0.3/29.3	33	56

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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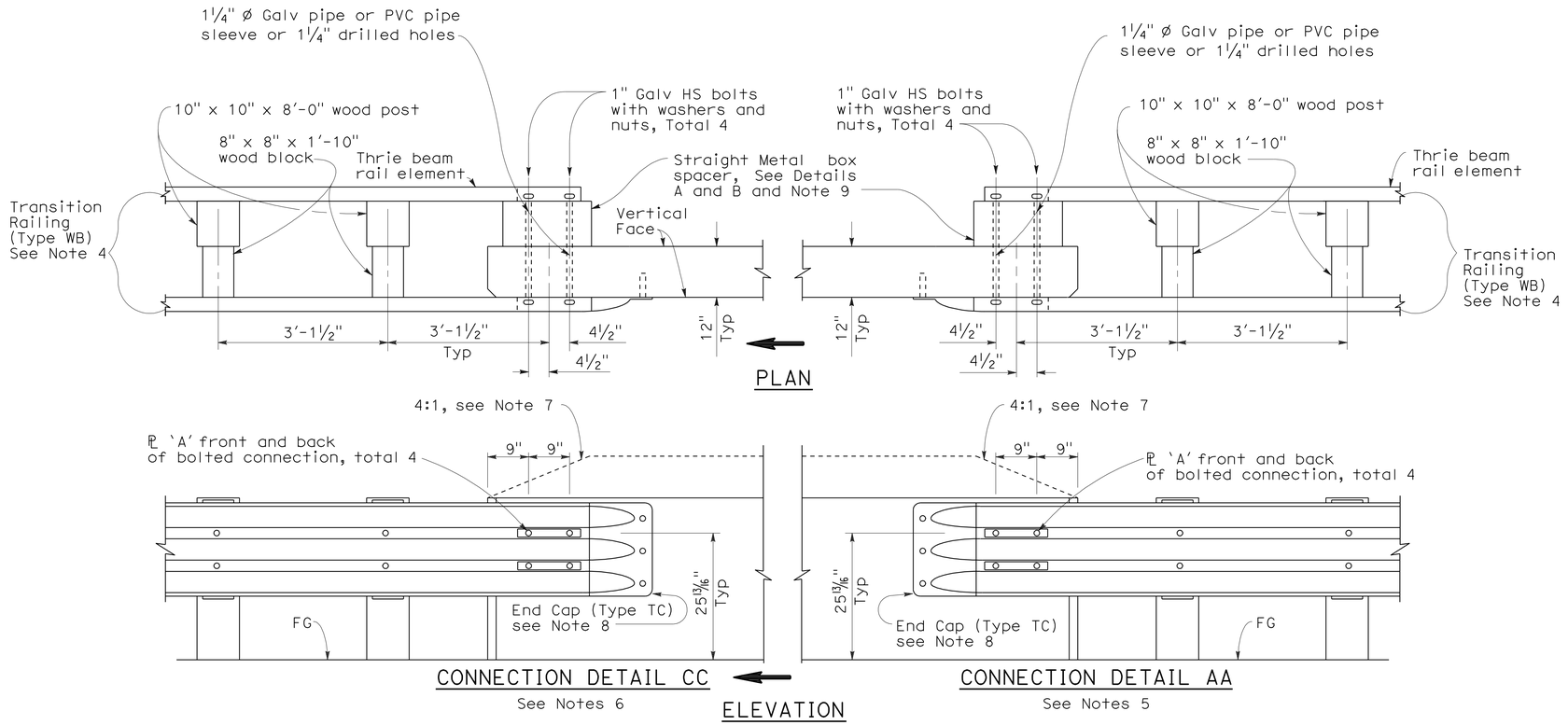
To accompany plans dated 9-13-10



GUARD RAILING CONNECTION TO BRIDGE RAILING WITHOUT SIDEWALK

NOTES:

1. See Revised Standard Plan RSP A77J1 for additional connection details to bridges without sidewalks.
2. Additional details of posts, blocks and hardware are shown on Standard Plan A77B1, A77C1 and A77C2.
3. Direction of adjacent traffic indicated by ⟹.
4. For additional details of Transition Railing (Type WB), see Standard Plan A77J4. Transition Railing (Type WB) transitions the 12 gage w-beam standard railing section of guard railing to a heavier gage nested thrie beam railing section which is connected to the concrete bridge railing.
5. For typical use of Connection Detail AA, see Layout Types 12A and 12B on Revised Standard Plan RSP A77F1, Layout Types 12C and 12D on Standard Plan A77F2, and Layout Type 12E on Revised Standard Plan RSP A77F3.
6. For typical use of Connection Detail CC, see Layout Types 12AA and 12BB on Standard Plan A77F4 and Layout Type 12CC on Standard Plan A77F5.
7. Where the height of the bridge railing exceeds the height of the thrie beam railing by more than 1" at Connection Detail AA and connection Detail CC, taper the top of the end of the bridge railing at 4:1 to match the top elevation of the thrie beam railing.
8. For details of End Cap (Type TC), see Standard Plans A77J4.
9. See Standard Plans A77J4 for additional details regarding depth dimension for straight metal box spacer.

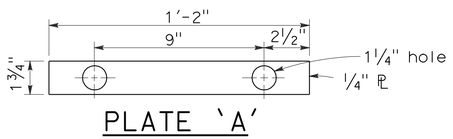


PLATE 'A'

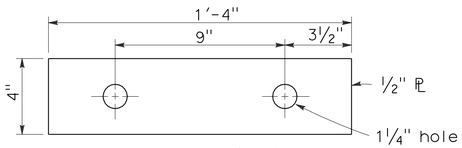
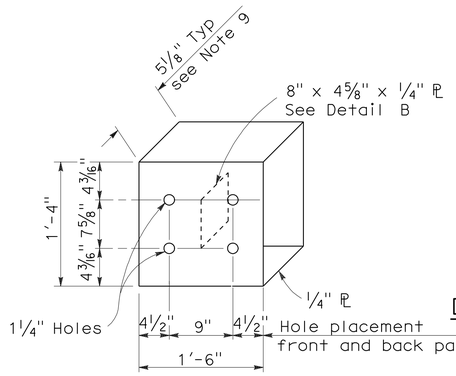
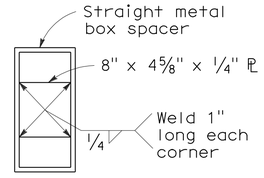


PLATE 'B'
(For backside of connection BB)



DETAIL A



DETAIL B

STRAIGHT METAL BOX SPACER

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

METAL BEAM GUARD RAILING CONNECTIONS TO BRIDGE RAILINGS WITHOUT SIDEWALKS DETAILS No.2

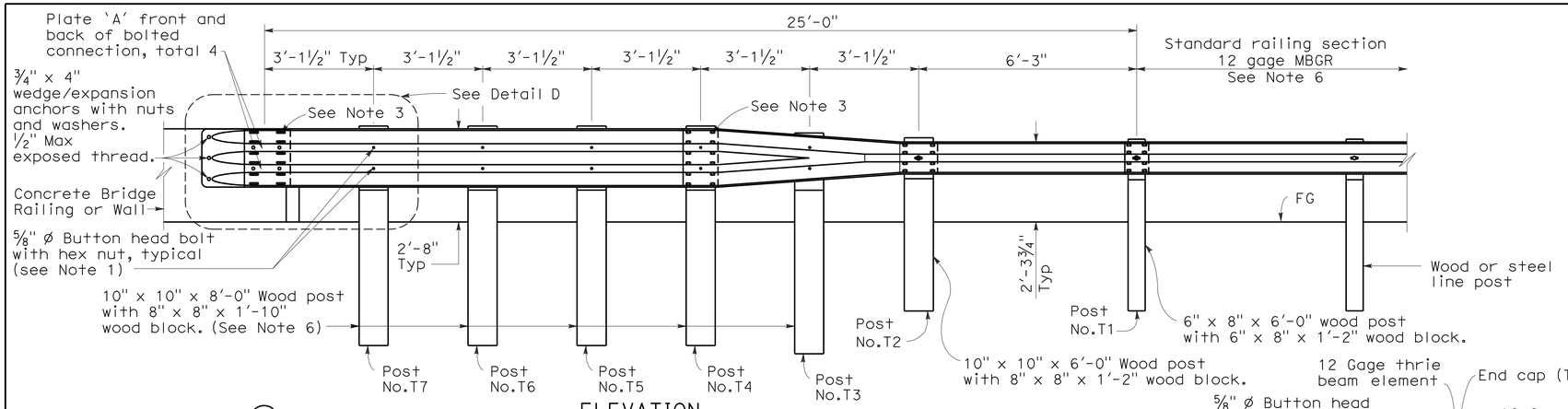
NO SCALE

RSP A77J2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN A77J2
DATED MAY 1, 2006 - PAGE 73 OF THE STANDARD PLANS BOOK DATED MAY 2006.

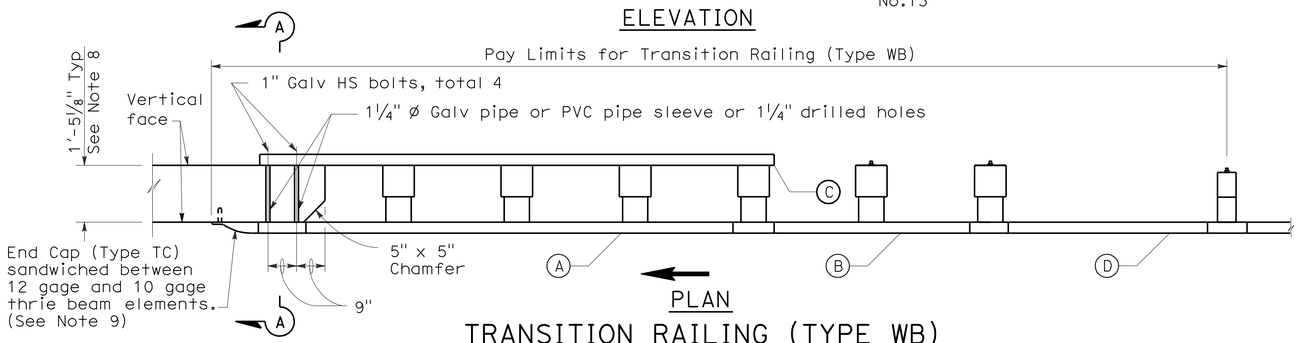
REVISED STANDARD PLAN RSP A77J2

2006 REVISED STANDARD PLAN RSP A77J2

12-10-07



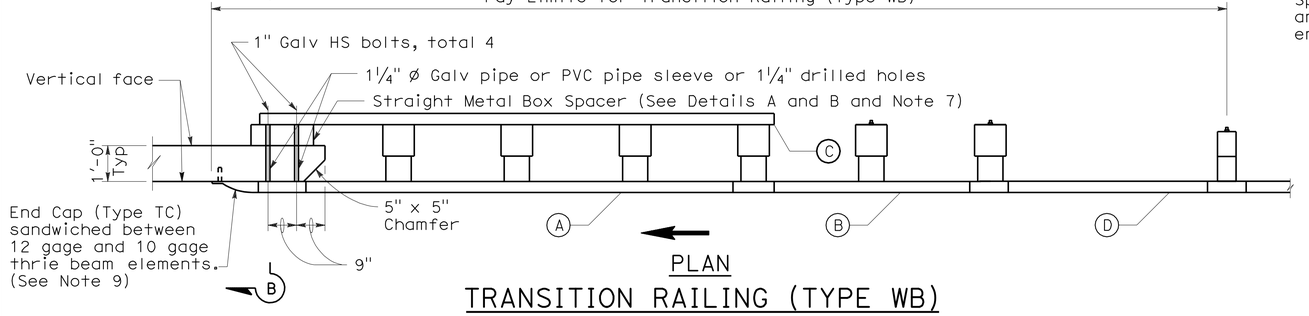
ELEVATION



PLAN

TRANSITION RAILING (TYPE WB)

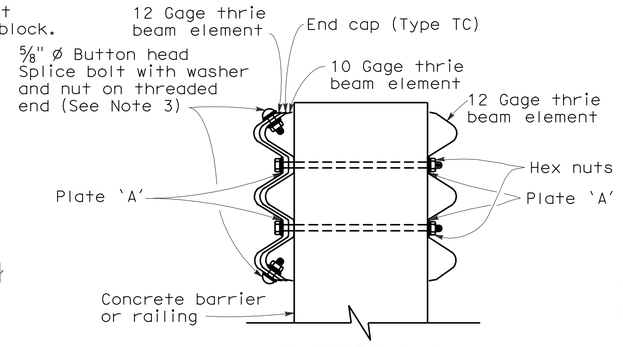
(No Blockout Attachment)



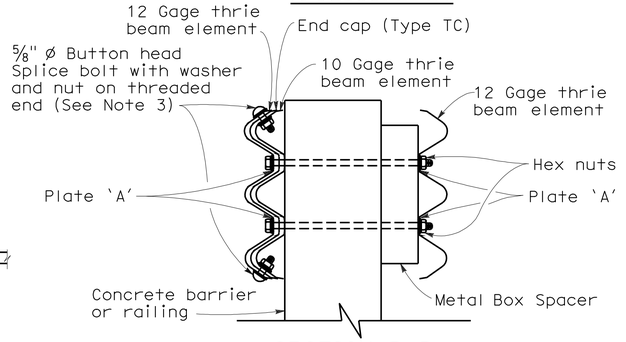
PLAN

TRANSITION RAILING (TYPE WB)

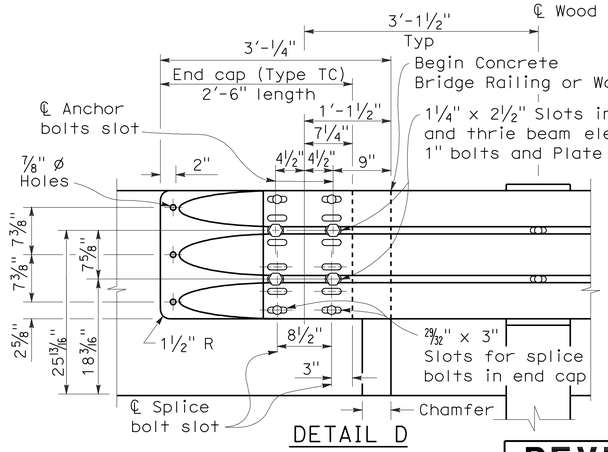
(Blockout Attachment)



SECTION A-A



SECTION B-B



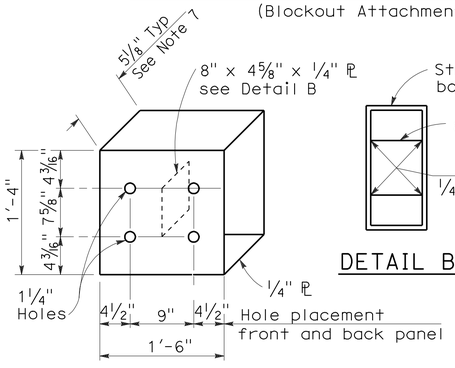
DETAIL D

LEGEND

- (A) Nested thrie beam elements (one 12 gage element nested over one 10 gage element).
- (B) One 10 gage "W" beam to thrie beam element.
- (C) One 12 gage thrie beam element.
- (D) One 10 gage "W" beam rail element (7'-3½" length)

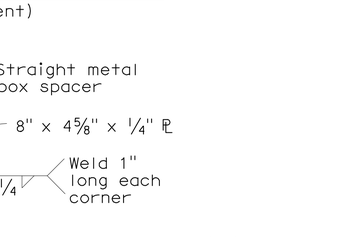
10 gage = 0.135" thick

12 gage = 0.108" thick

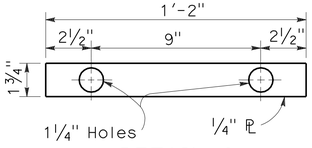


DETAIL A

STRAIGHT METAL BOX SPACER



DETAIL B



DETAIL C

PLATE 'A'

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla	80	0.3/29.3	34	56

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 5, 2009
PLANS APPROVAL DATE

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

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

NOTES:

To accompany plans dated 9-13-10

1. Use 5/8 " ø Button head bolts and hex nuts for connections to posts. No washer on rail face for bolted connections to post.
2. The nested rail elements, end cap, and 'W' beam to thrie beam element may be spliced together prior to bolting the elements to the wood post and concrete barrier or railing.
3. Exterior splice bolt holes for rail element splices at Post No.T4 and the connection to the concrete barrier or railing shall be the standard 29/32 " x 1 1/8 " slot size. Interior splice bolt holes at these locations may be increased up to 1 1/4 " ø. Only the top 2 and the bottom 2 splice bolts with washers and nuts are required for rail splices at Post No.T4 and the connection to the concrete barrier or railing.
4. Direction of adjacent traffic indicated by →.
5. The top elevation of Post Nos.T2 through T7 shall not project more than 1" above the top elevation of the rail element.
6. Typically, the railing connected to Transition Railing (Type WB) will be either standard railing section of metal beam guard railing or an approved Caltrans end treatment attached to Post No.T1.
7. The depth of the metal box spacer varies from the 5 1/8 " to 1 1/2 " and is dependent on the width of the concrete railing or wall. The combined dimension for the depth of the metal box spacer plus the width of railing or wall is typically 17 1/8 ". Where the space between the backside of the concrete railing or wall and the rear thrie beam element is less than 1 1/2 ", metal plates similar to Plate 'A' are to be used as spacers.
8. Where the width of the concrete railing or wall is greater than 17 1/8 ", wood blocks are to be used to fill the space created between the backside of Posts No.4 through No.7 and the rear thrie beam element. These wood blocks shall be 8" in width and 1'-2" in length. The dimension between the front thrie beam element and the rear thrie beam element is to match the width of the concrete railing or wall.
9. End cap may be installed over 12 gage and 10 gage thrie beam elements where transition railing is installed on the departure end of bridge railing.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

METAL BEAM GUARD RAILING TRANSITION RAILING (TYPE WB)

NO SCALE

RSP A77J4 DATED JUNE 5, 2009 SUPERSEDES RSP A77J4 DATED JUNE 6, 2008 AND STANDARD PLAN A77J4 DATED MAY 1, 2006 - PAGE 75 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP A77J4

2006 REVISED STANDARD PLAN RSP A77J4

5-14-09

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla	80	0.3/29.3	35	56

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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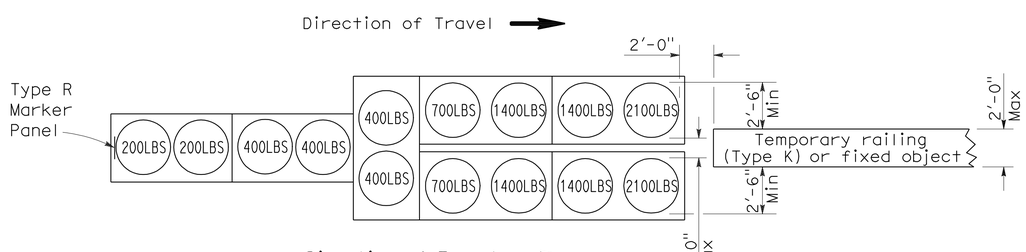
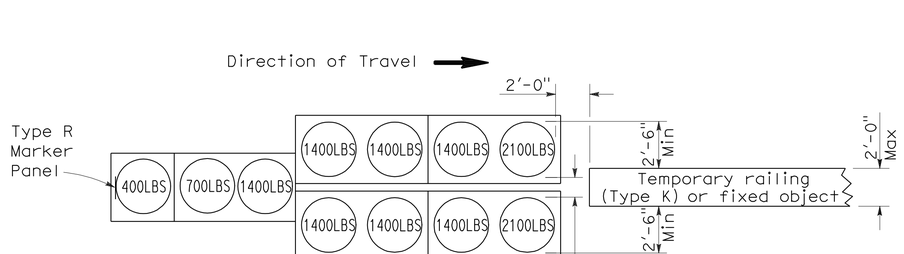
To accompany plans dated 9-13-10



ARRAY 'TU14'

Approach speed 45 mph or more

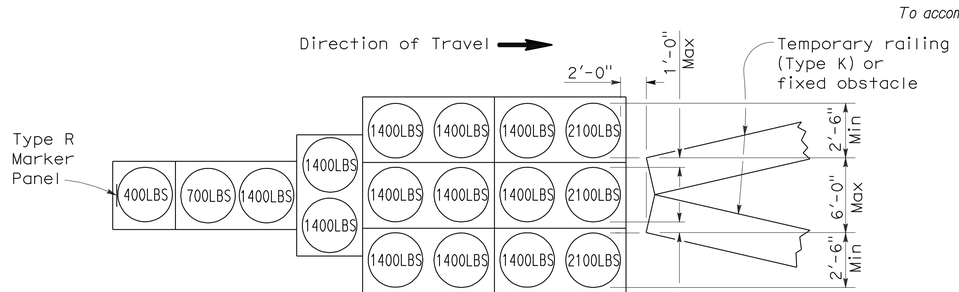


ARRAY 'TU11'

Approach speed less than 45 mph

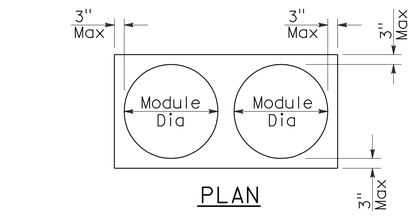
ARRAY 'TU21'

Approach speed 45 mph or more

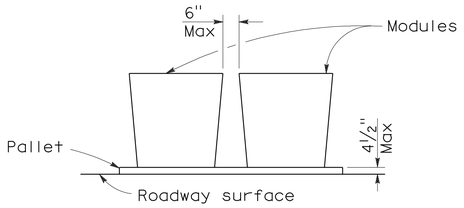


ARRAY 'TU17'

Approach speed less than 45 mph



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
03	Pla	80	0.3/29.3	36	56

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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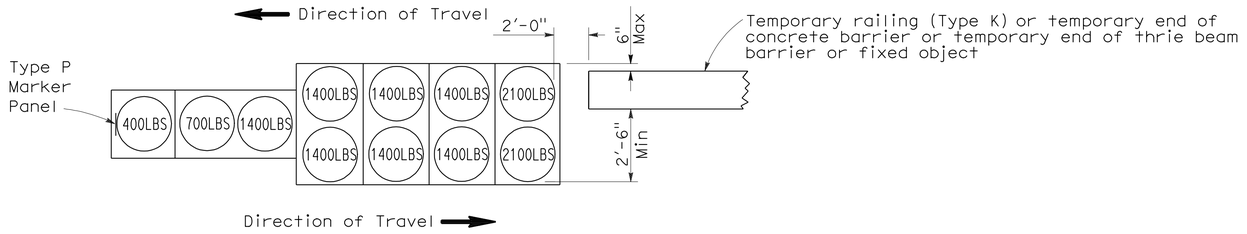
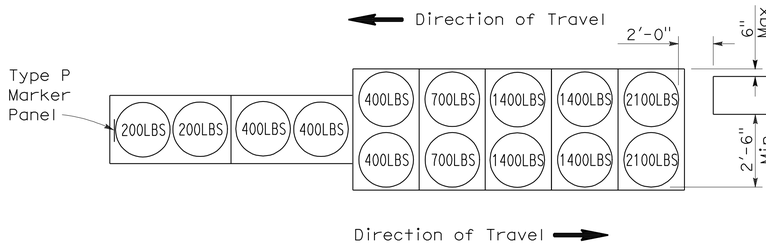
To accompany plans dated 9-13-10



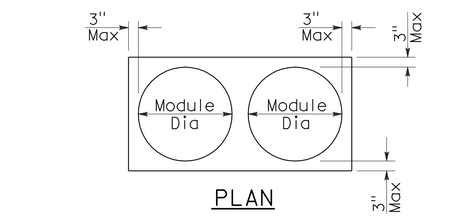
ARRAY 'TB11'

Approach speed less than 45 mph



ARRAY 'TB14'

Approach speed 45 mph or more



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
03	Pla	80	0.3/29.3	37	56

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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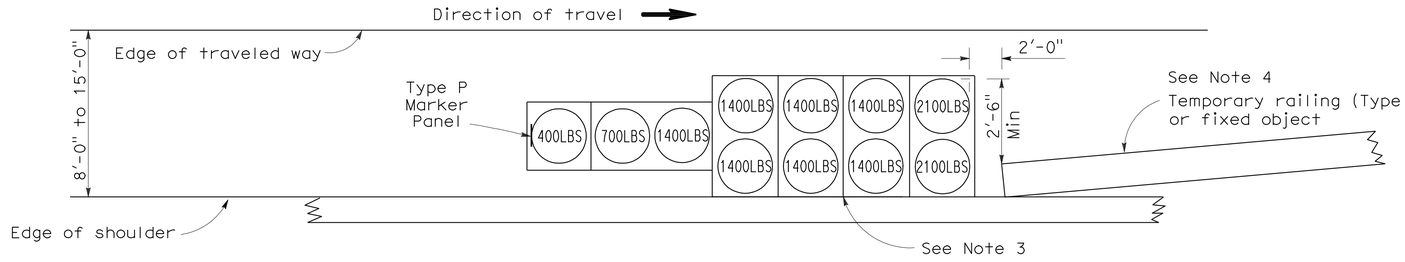
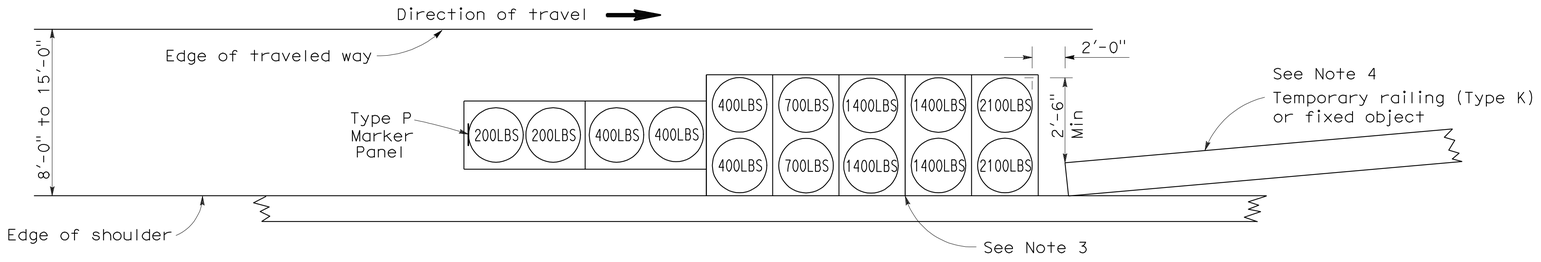
To accompany plans dated 9-13-10



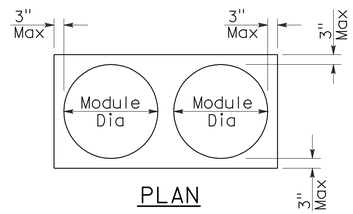
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

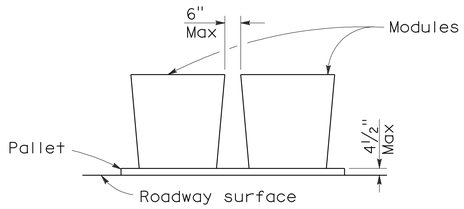


ARRAY 'TS14'

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)

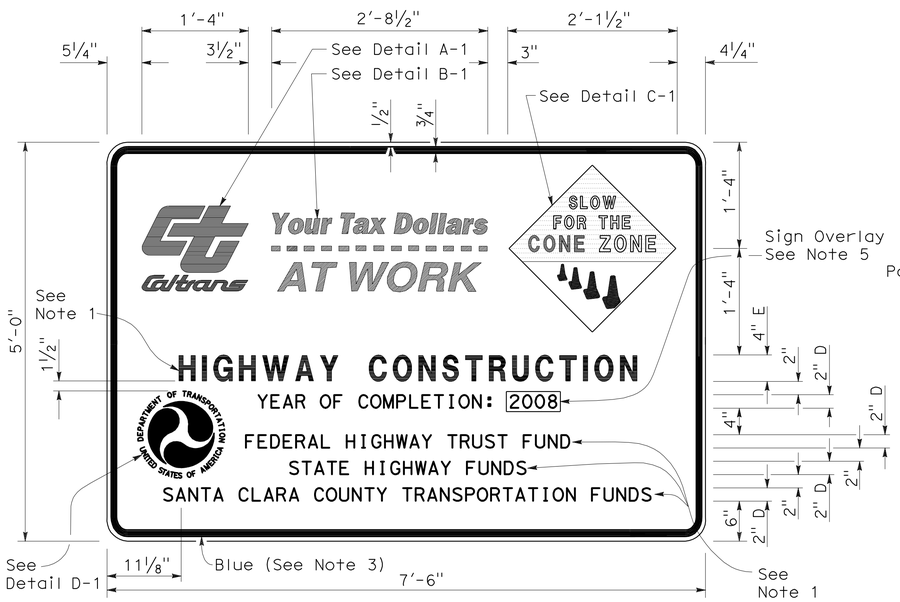
NO SCALE

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

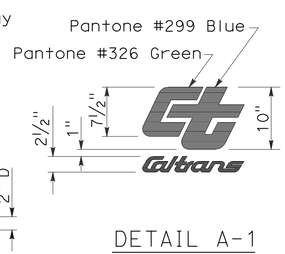
REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

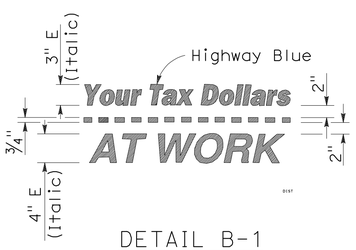
5-15-08



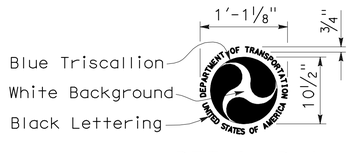
TYPE 1



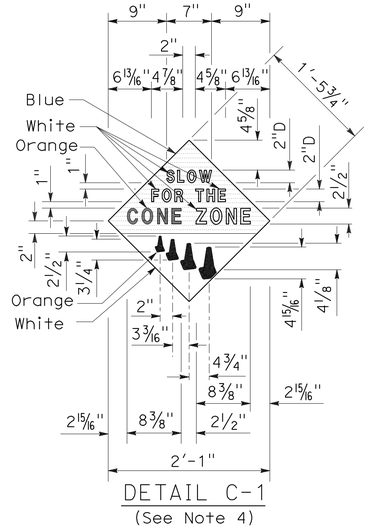
DETAIL A-1



DETAIL B-1
(See Note 3)



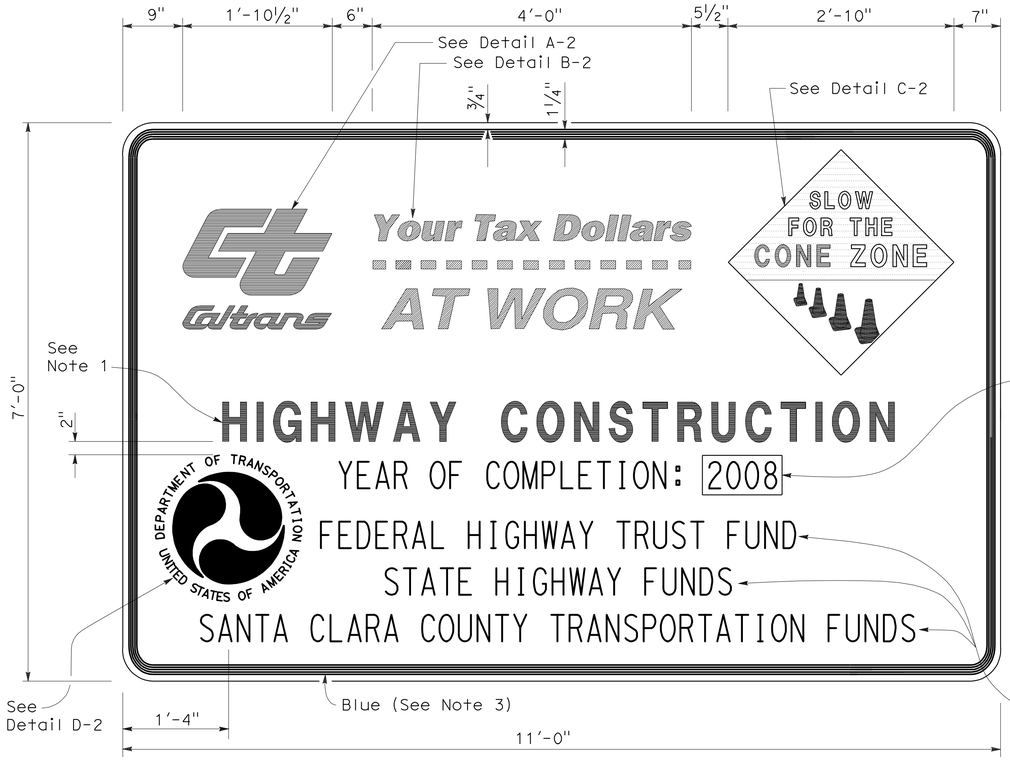
DETAIL D-1
(See Note 6)



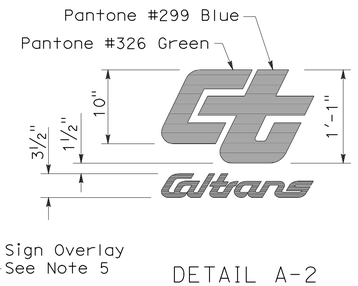
DETAIL C-1
(See Note 4)

NOTES:

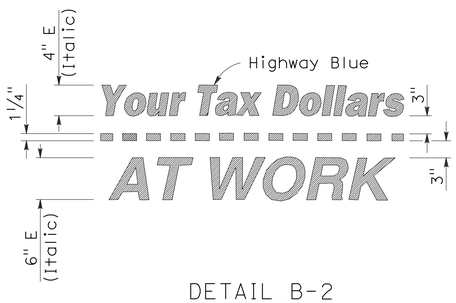
1. The sign messages shown for type of project and fund types are examples only. See the Special Provisions for the applicable type of project and fund type messages to be used.
2. Except as otherwise shown, the legend of sign shall be black on a white background (non-reflective).
3. The border of the 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.



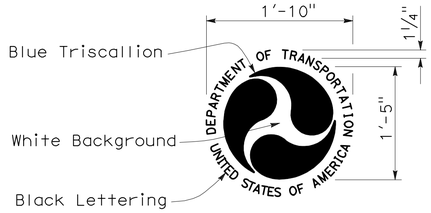
TYPE 2



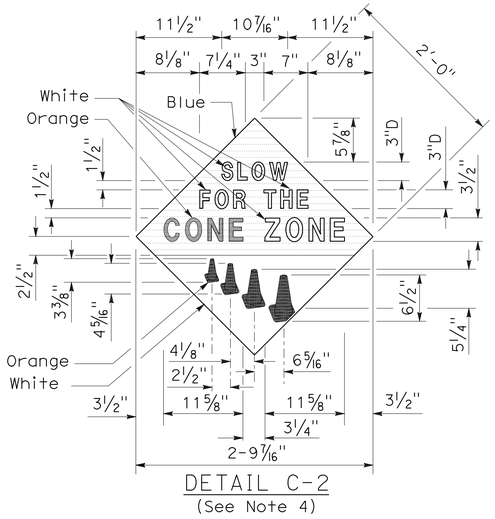
DETAIL A-2



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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla	80	0.3/29.3	38	56

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 9-13-10

2006 REVISED STANDARD PLAN RSP T7

9-7-06

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla	80	0.3/29.3	39	56

Robert B Schott
LICENSED LANDSCAPE ARCHITECT

August 15, 2008
PLANS Approval DATE

LICENSED LANDSCAPE ARCHITECT — Robert B. Schott 3035 — Signature — 11-04-08 Renewal Date — 08-11-08 Date — STATE OF CALIFORNIA

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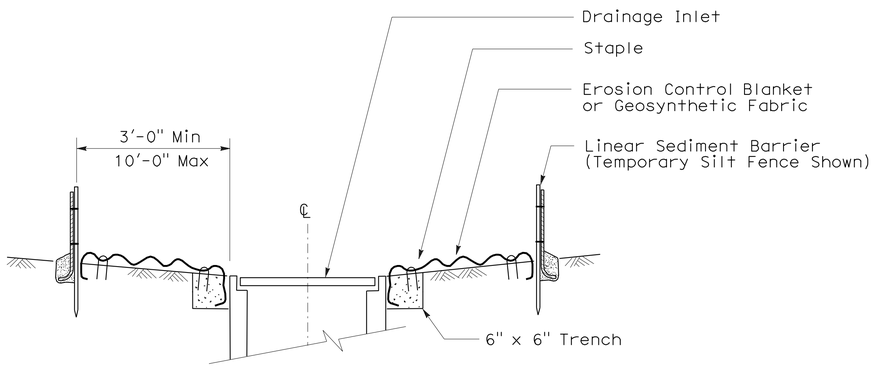
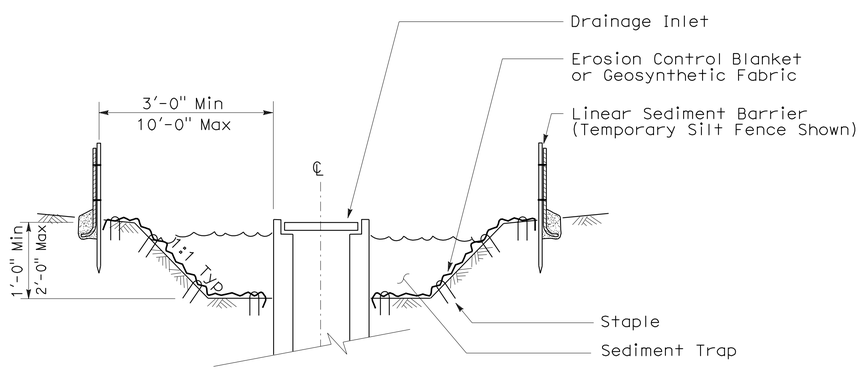
To accompany plans dated 9-13-10



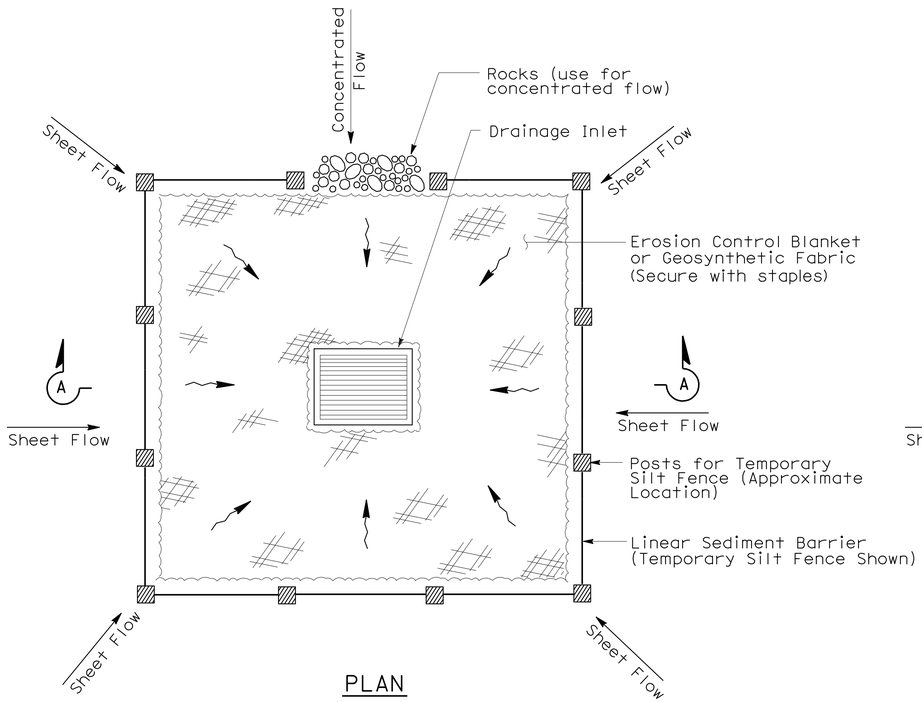
SECTION A-A



SECTION B-B

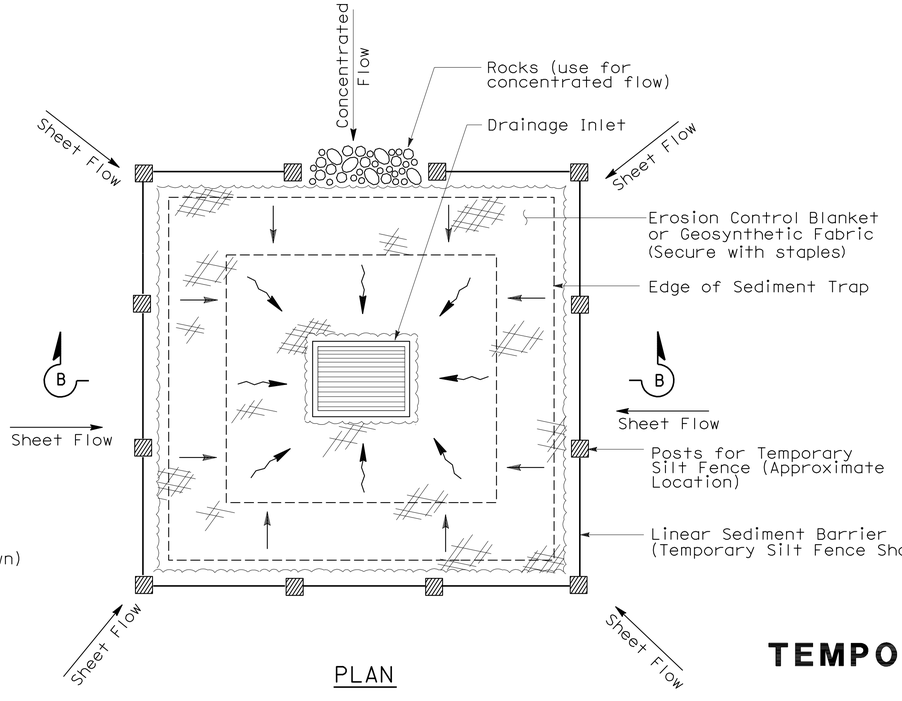
NOTES:

1. See Standard Plan T51 for Temporary Silt Fence.
2. Dimensions may vary to fit field conditions.



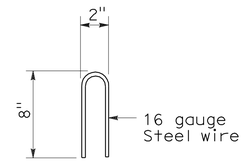
PLAN

TEMPORARY DRAINAGE
INLET PROTECTION (TYPE 1)



PLAN

TEMPORARY DRAINAGE
INLET PROTECTION (TYPE 2)
(EXCAVATED SEDIMENT TRAP)



STAPLE DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)

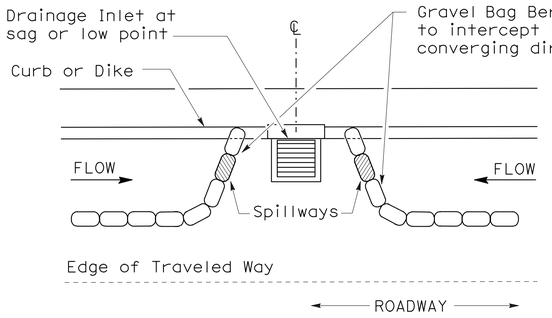
NO SCALE

NSP T61 DATED AUGUST 15, 2008 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP T61

2006 NEW STANDARD PLAN NSP T61

7-11-08



PLAN

CONFIGURATION FOR SAG POINT INLET (GRAVEL BAG BERM)

GRAVEL BAG BERM (TYPE 3A) SPACING TABLE

SLOPE OF ROADWAY (PERCENT)	1 to 3.9	4 to 5.9	6 to 7.9	8 to 10	10+
INTERVAL BETWEEN BERM	100′	75′	50′	25′	12′

For slope of less than 1%, install barriers only if erosion/sediment is prevalent

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla	80	0.3/29.3	40	56

Robert B Schott
LICENSED LANDSCAPE ARCHITECT

August 15, 2008
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT Robert B. Schott 3035 Signature Date 11-04-08 Renewal Date 08-11-08 Date STATE OF CALIFORNIA

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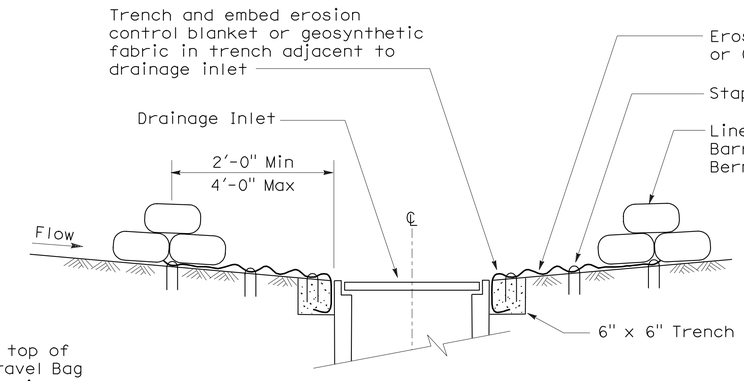
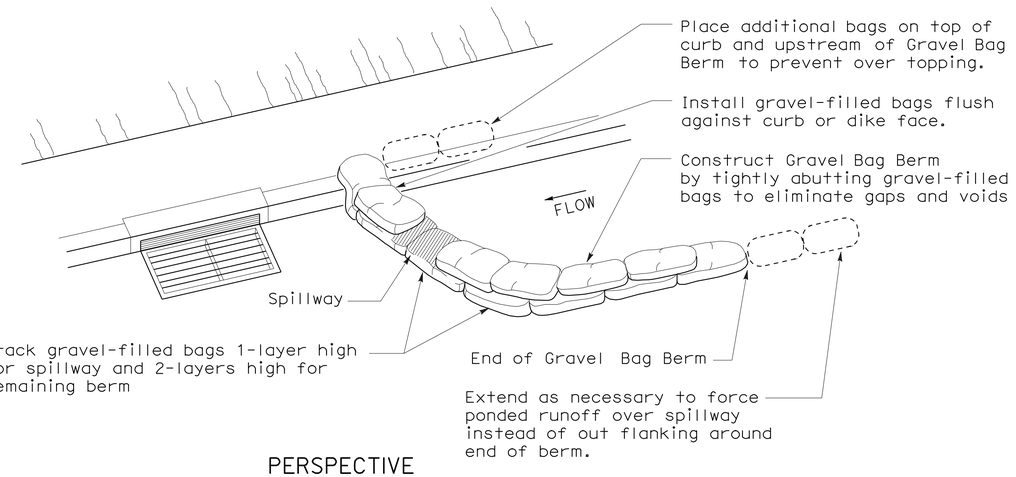
To accompany plans dated 9-13-10



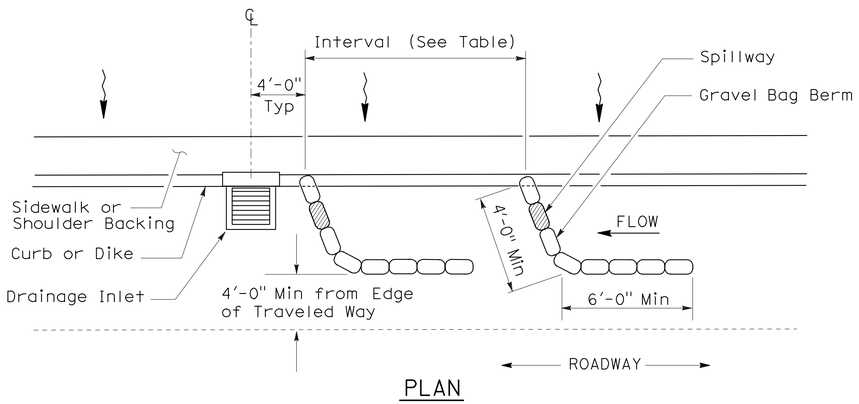
SECTION A-A

NOTES:

1. Place safety cones adjacent to drainage inlet protection.
2. Dimensions may vary to fit field conditions.
3. Install a minimum of 3 gravel bag berms upstream of each drainage inlet to be protected.
4. Position erosion control blanket or geosynthetic fabric at edge of concrete apron and secure in trench.
5. Erosion control blanket or geosynthetic fabric is not required if the area adjacent to the drainage inlet is vegetated or paved.

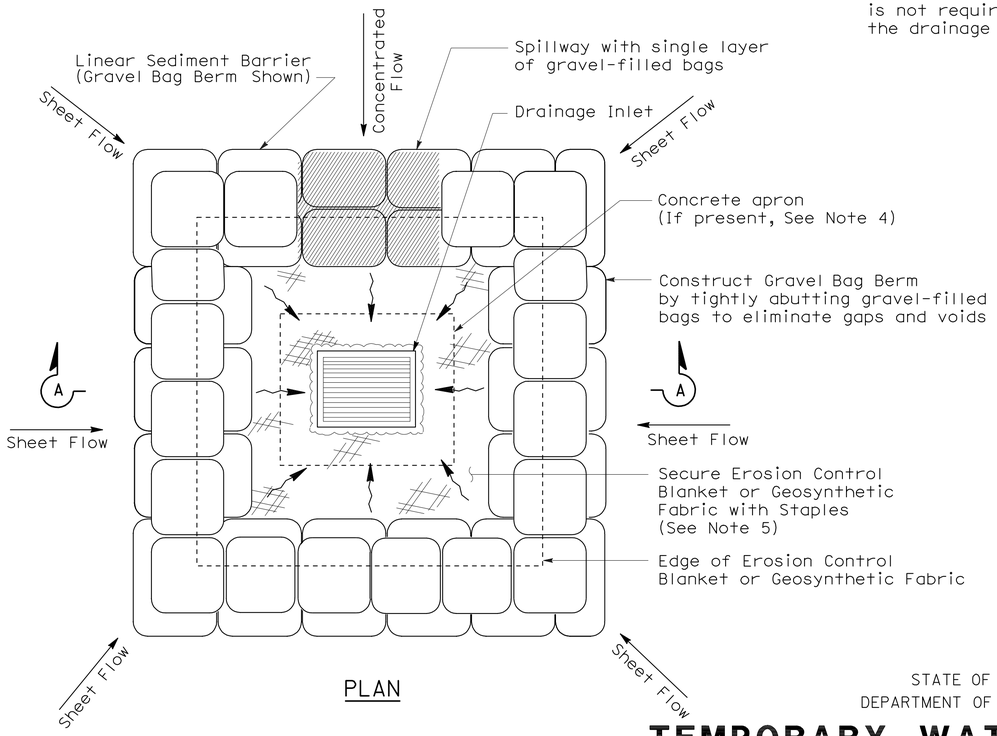


PERSPECTIVE



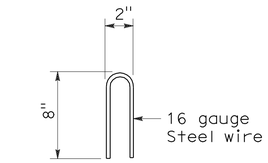
PLAN

TEMPORARY DRAINAGE INLET PROTECTION (TYPE 3A) (GRAVEL BAG BERM)



PLAN

TEMPORARY DRAINAGE INLET PROTECTION (TYPE 3B)



STAPLE DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)

NO SCALE

NSP T62 DATED AUGUST 15, 2008 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP T62

2006 NEW STANDARD PLAN NSP T62

7-11-08

FLEXIBLE SEDIMENT BARRIER SPACING TABLE

SLOPE OF ROADWAY (PERCENT)	0 to 0.9	1 to 1.9	2 to 2.9	3 to 4	5+
INTERVAL BETWEEN BARRIERS	50′	35′	30′	25′	20′
ANGLE FROM FACE OF CURB	70°	70°	70°	45°	45°
SUGGESTED BARRIER LENGTH	6′	6′	6′	6′	6′

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla	80	0.3/29.3	41	56

Robert B Schott
LICENSED LANDSCAPE ARCHITECT

August 15, 2008
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Robert B. Schott 3825 — Signature — 11-04-08 Renewal Date — 08-11-08 Date — STATE OF CALIFORNIA

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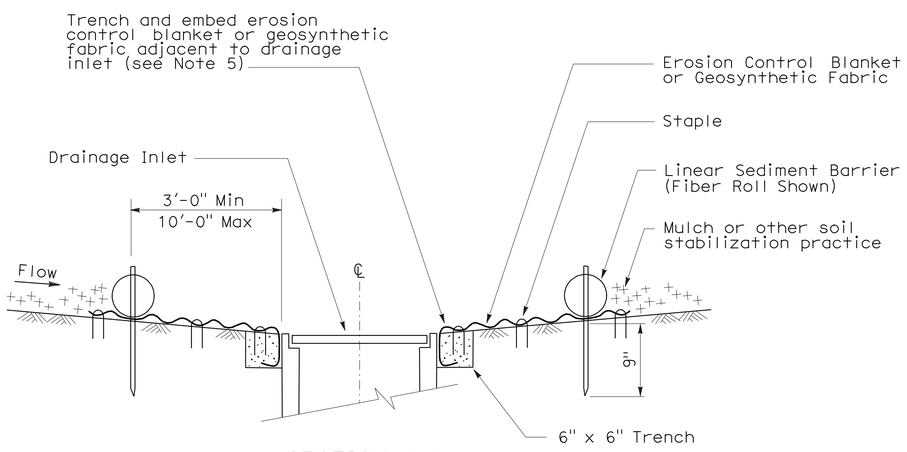
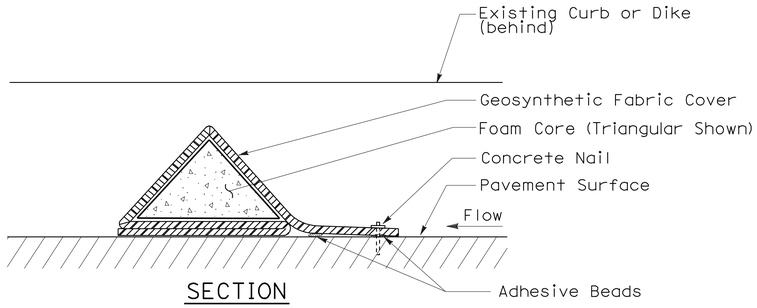
To accompany plans dated 9-13-10

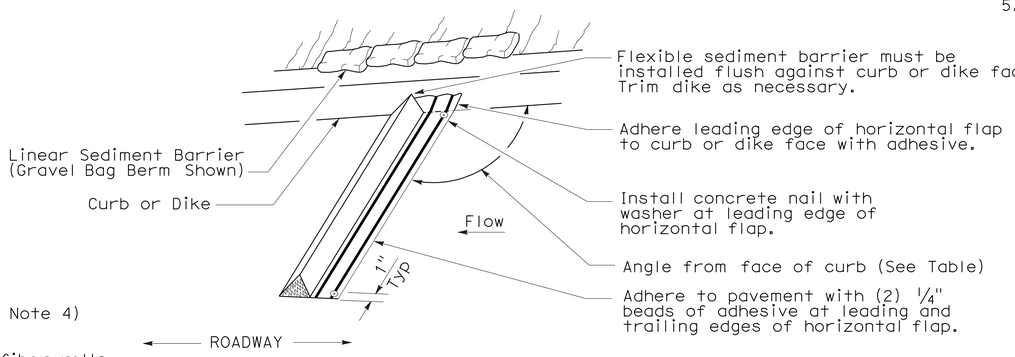


SECTION A-A



SECTION

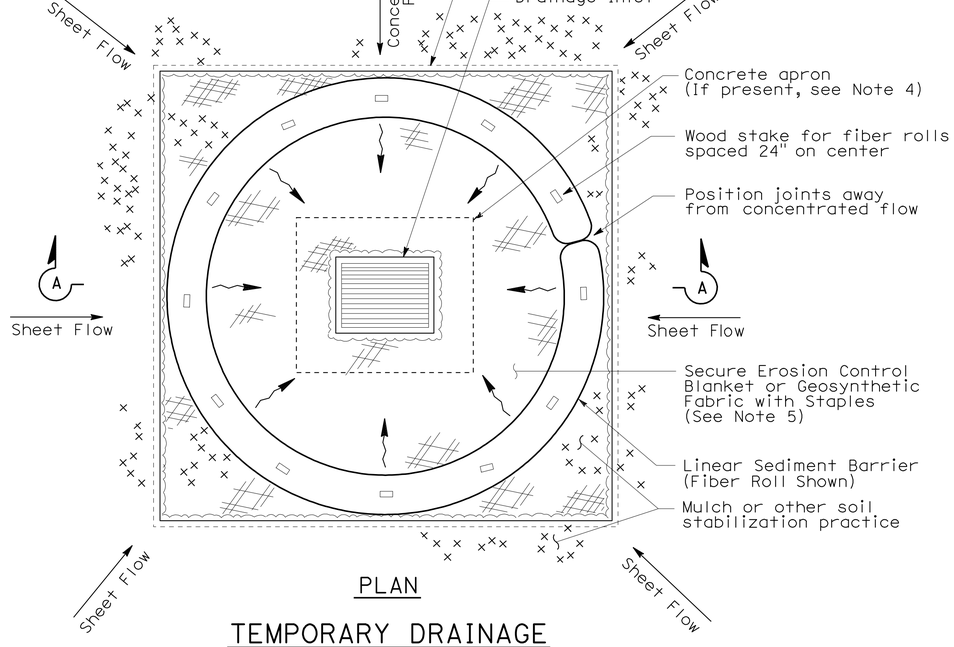
FLEXIBLE SEDIMENT BARRIER DETAIL (FOAM BARRIER SHOWN)



PERSPECTIVE

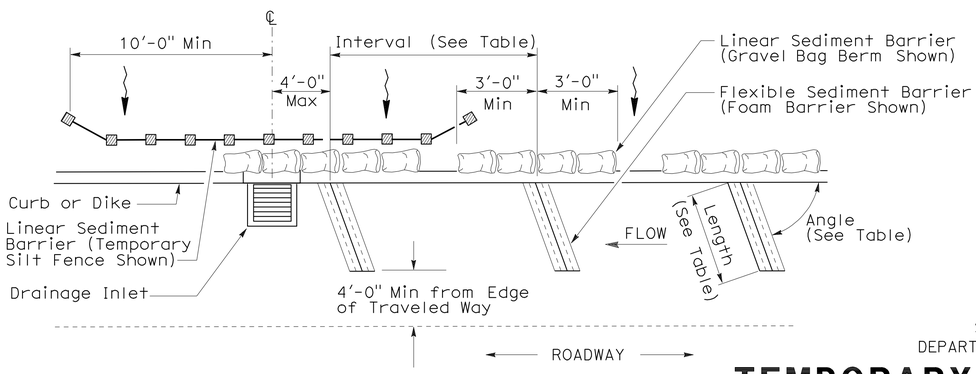
NOTES:

1. See Standard Plan T51 for Temporary Silt Fence.
2. Dimensions may vary to fit field conditions.
3. Install a minimum of 3 flexible sediment barriers upstream of each drainage inlet to be protected.
4. Position erosion control blanket or geosynthetic fabric at edge of concrete apron and secure in trench.
5. Erosion control blanket or geosynthetic fabric is not required if the area adjacent to the drainage inlet is vegetated.



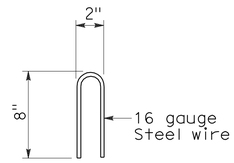
PLAN

TEMPORARY DRAINAGE INLET PROTECTION (TYPE 4A)



PLAN

TEMPORARY DRAINAGE INLET PROTECTION (TYPE 4B) FLEXIBLE SEDIMENT BARRIER



STAPLE DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)

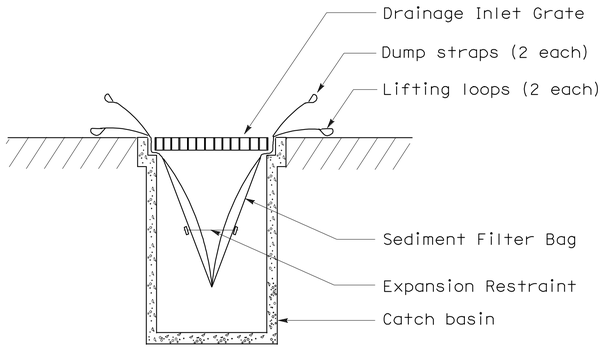
NO SCALE

NSP T63 DATED AUGUST 15, 2008 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP T63

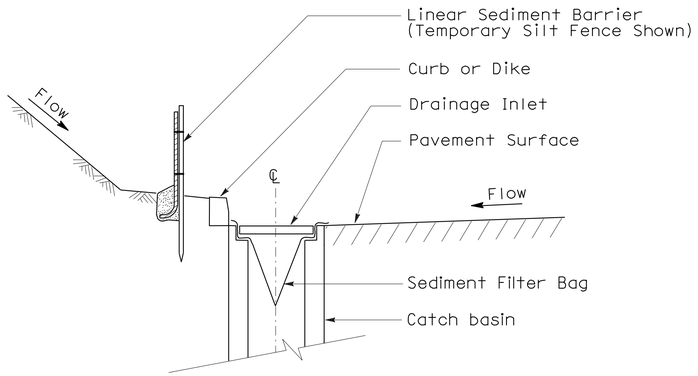
2006 NEW STANDARD PLAN NSP T63

7-11-08

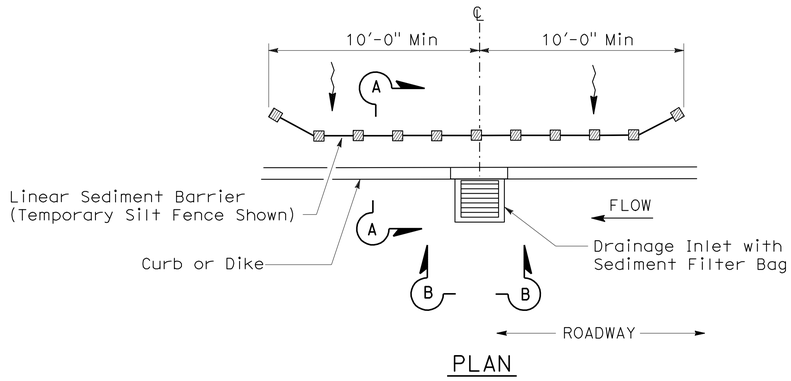


SECTION B-B

SEDIMENT FILTER BAG DETAIL

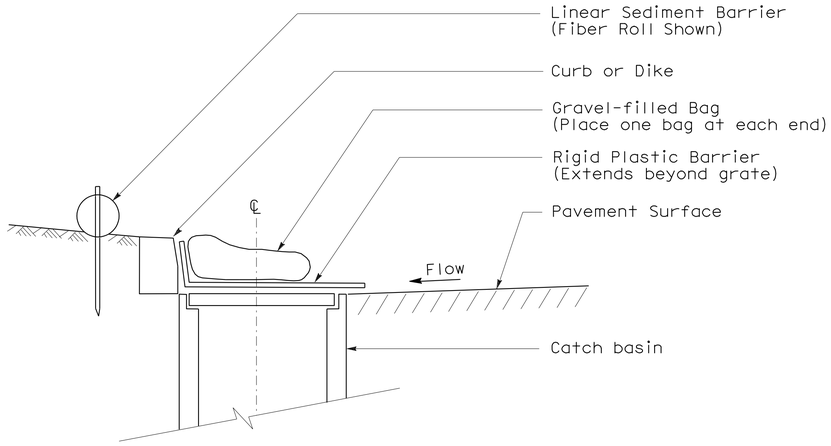


SECTION A-A



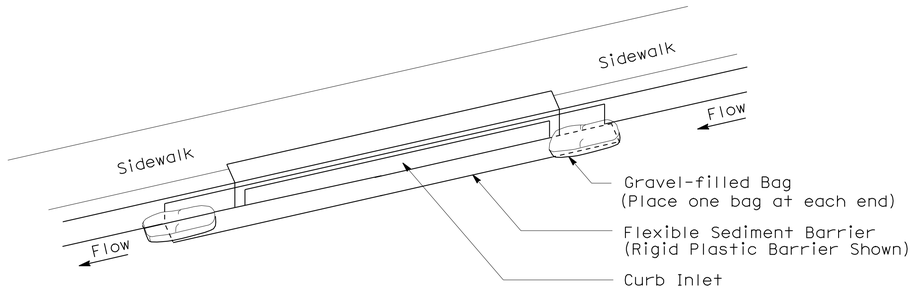
PLAN

TEMPORARY DRAINAGE INLET PROTECTION (TYPE 5) (SEDIMENT FILTER BAG)



SECTION

TEMPORARY DRAINAGE INLET PROTECTION (TYPE 6A) (CATCH BASIN WITH GRATE)



PERSPECTIVE

TEMPORARY DRAINAGE INLET PROTECTION (TYPE 6B) (CURB INLET WITHOUT GRATE)

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla	80	0.3/29.3	42	56

Robert B Schott
LICENSED LANDSCAPE ARCHITECT

August 15, 2008
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Robert B. Schott 3035 — Signature — 11-04-08 Renewal Date — 08-11-08 Date — STATE OF CALIFORNIA

To accompany plans dated 9-13-10

NOTES:

1. See Standard Plan T51 for Temporary Silt Fence.
2. Dimensions may vary to fit field conditions.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)

NO SCALE

NSP T64 DATED AUGUST 15, 2008 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP T64

2006 NEW STANDARD PLAN NSP T64

7-11-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla	80	0.3/29.3	43	56

Robert B Schott
LICENSED LANDSCAPE ARCHITECT

April 3, 2009
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Robert B. Schott 3035 — Signature — 11-30-10 Renewal Date — 2-25-09 Date — STATE OF CALIFORNIA

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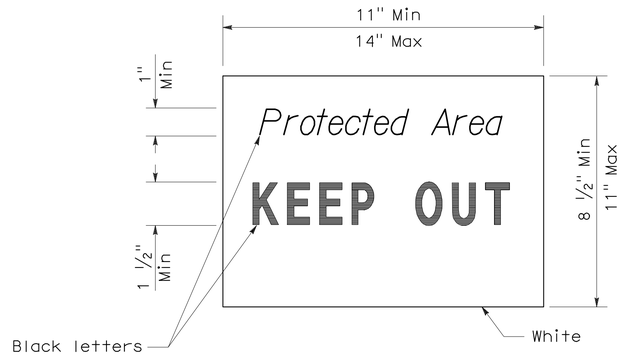
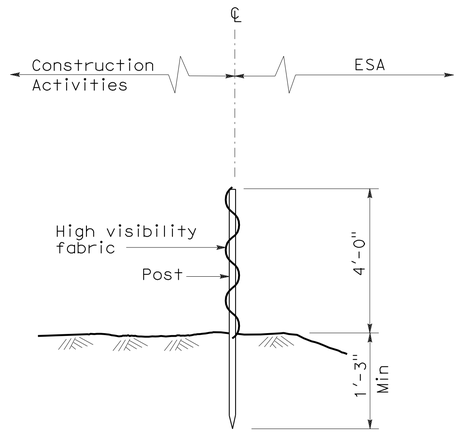
To accompany plans dated 9-13-10



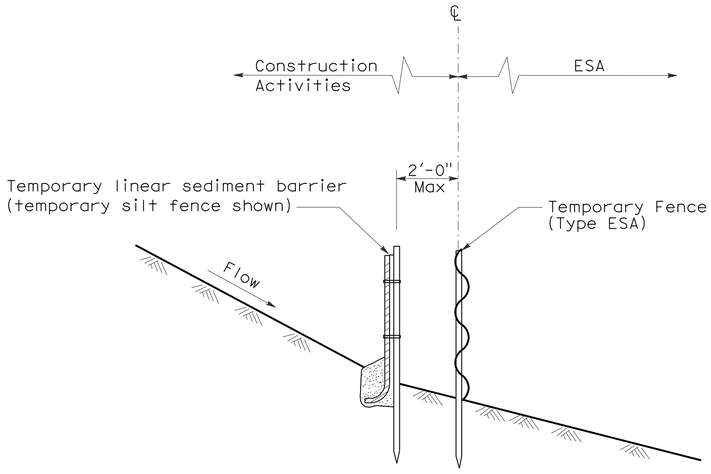
SIGN DETAIL

NOTE:

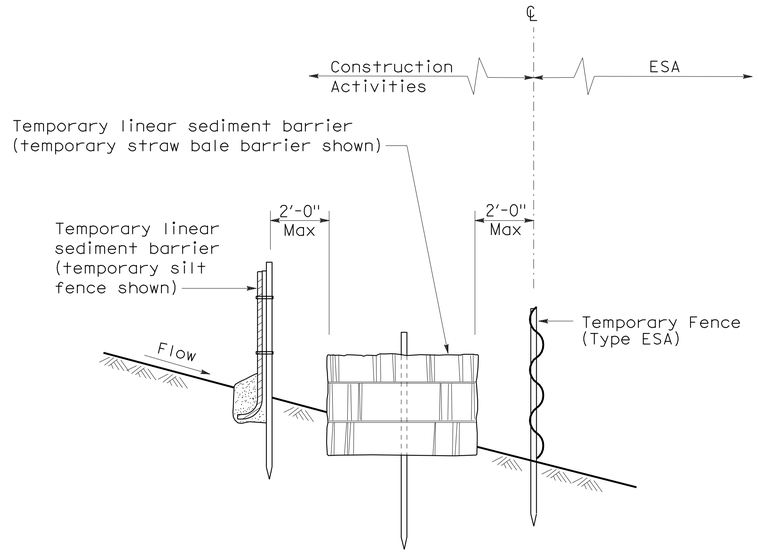
1. Temporary silt fence and temporary straw bale barrier shown for reference purposes only.



SECTION
TEMPORARY FENCE (TYPE ESA)



SECTION
PLACEMENT DETAIL
FOR TEMPORARY LINEAR SEDIMENT BARRIER
USED WITH TEMPORARY
FENCE (TYPE ESA)
(See Note 1)



SECTION
PLACEMENT DETAIL
FOR TEMPORARY SILT FENCE
AND TEMPORARY STRAW BALE BARRIER
USED WITH TEMPORARY FENCE (TYPE ESA)
(See Note 1)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY WATER POLLUTION CONTROL DETAILS [TEMPORARY FENCE (TYPE ESA)]

NO SCALE

NSP T65 DATED APRIL 3, 2009 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP T65

2006 NEW STANDARD PLAN NSP T65

1-7-09

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla	80	0.3/29.3	44	56

REGISTERED CIVIL ENGINEER

October 5, 2007
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Efthymios Delis — No. C51434 — Exp. 6-30-08 — CIVIL — STATE OF CALIFORNIA

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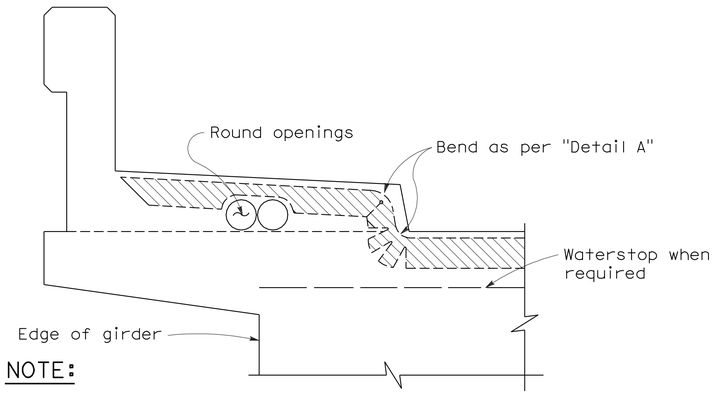
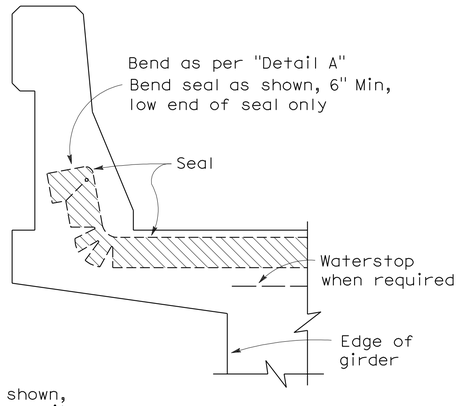
To accompany plans dated 9-13-10



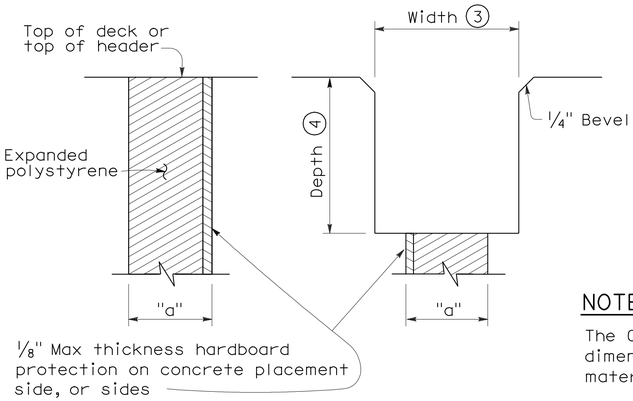
NOTE:

Type "B" seal shown. Type "A" seals to comform to the general path of seal shown, cuts for bending not required. Bend Type "A" seals 3" up into curb or barrier rail on only the low end of the seal.

CONCRETE BARRIER AND SIDEWALK



CONCRETE BARRIER

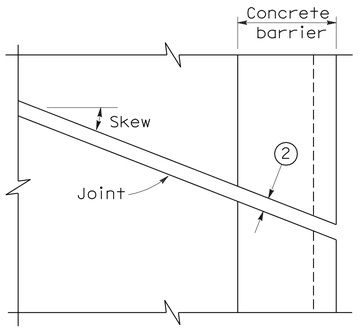


FORMING DETAIL SAWCUT DETAIL

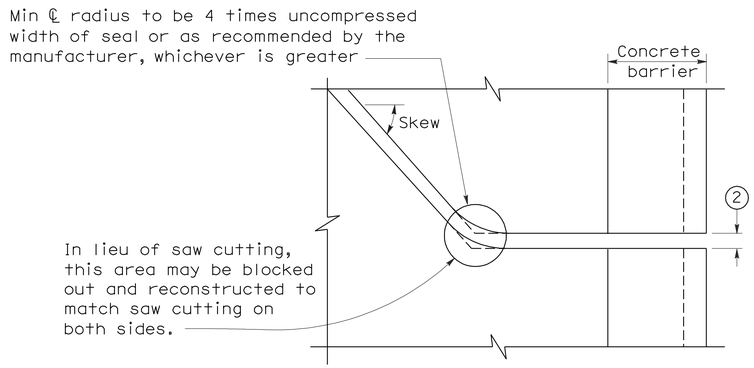
NOTE:

The Contractor shall verify all controlling field dimensions before ordering or fabricatiing any material.

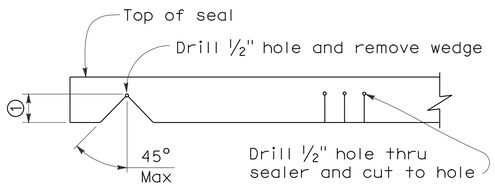
JOINT SEALS DETAILS

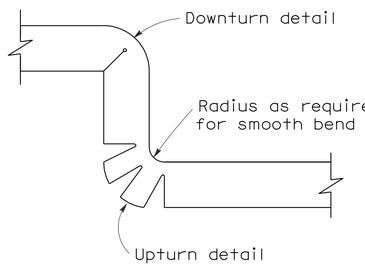


PLAN OF JOINT (SKEW ≤ 20°)



PLAN OF JOINT (SKEW > 20°)





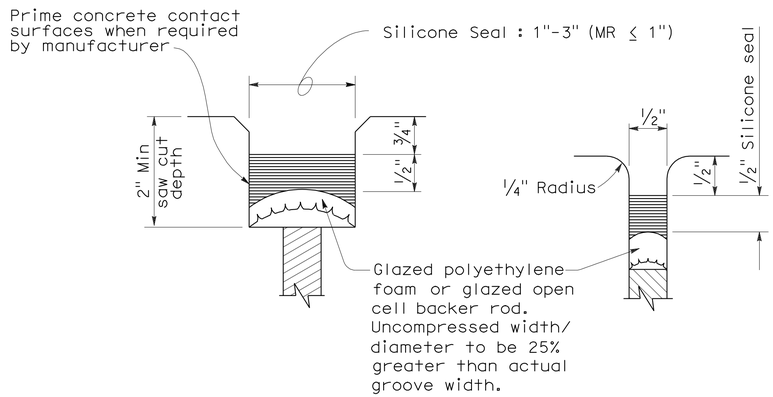
DETAIL A

NOTES:

1. Make smooth cuts from the bottom of seal to 1½" clear of top leaving at least one complete cell between the top of the cut and top of the seal. When necessary cut back of seal to clear conduit and round openings.
2. Opening in barrier to match width of sawn deck joint.
3. Sawcut groove widths shall be as ordered by the Engineer.
4. Depth of sawcut: Type A - Depth to be 2" minimum.
   Type B - Depth to be equal to or greater than the depth of seal measured along the contact surface, when compressed to minimum width position (W_2) plus dimensions shown.
5. MR (movement rating) as shown on other plan sheets.
6. Other depths must be approved by the Engineer.

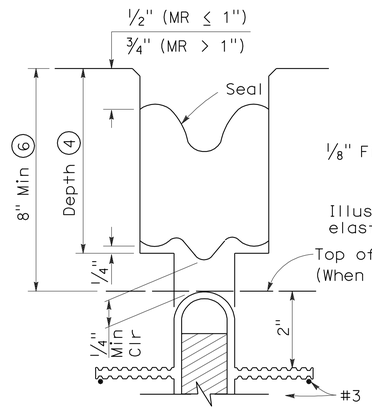
DIMENSIONS "a" OF JOINT REQUIRED

Movement Rating (MR) (5)	Bridge Type	"a" Dimension Deck Concrete Placed		
		Winter	Fall-Spring	Summer
2"	All except CIP/PS	1½"	1¼"	¾"
	CIP/PS	1¼"	1"	½"
1½"	All except CIP/PS	1¼"	1"	½"
	CIP/PS	1"	¾"	½"
1"	All except CIP/PS	1"	¾"	½"
	CIP/PS	¾"	½"	½"
½"	All except CIP/PS	¾"	¾"	½"
	CIP/PS	½"	½"	½"

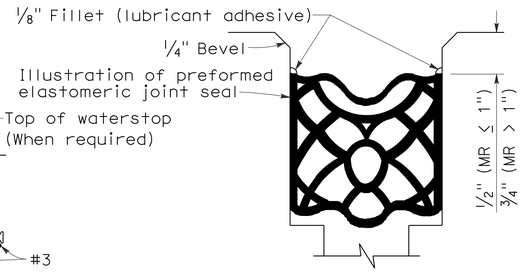


TYPE A SEAL
Movement rating : Silicone = 1" Max

TYPE AL SEAL
Longitudinal joints only



TYPE B JOINT SEAL
IN MINIMUM WIDTH POSITION (W_2)



TYPE B SEAL
Movement Rating ≤ 2"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")

NO SCALE

RSP B6-21 DATED OCTOBER 5, 2007 SUPERSEDES STANDARD PLAN B6-21 DATED MAY 1, 2006 - PAGE 258 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP B6-21

2006 REVISED STANDARD PLAN RSP B6-21

5-8-07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Pla	80	0.3/29.3	45	56

REGISTERED CIVIL ENGINEER — 4/28/2010 DATE

9-13-10
PLANS APPROVAL DATE

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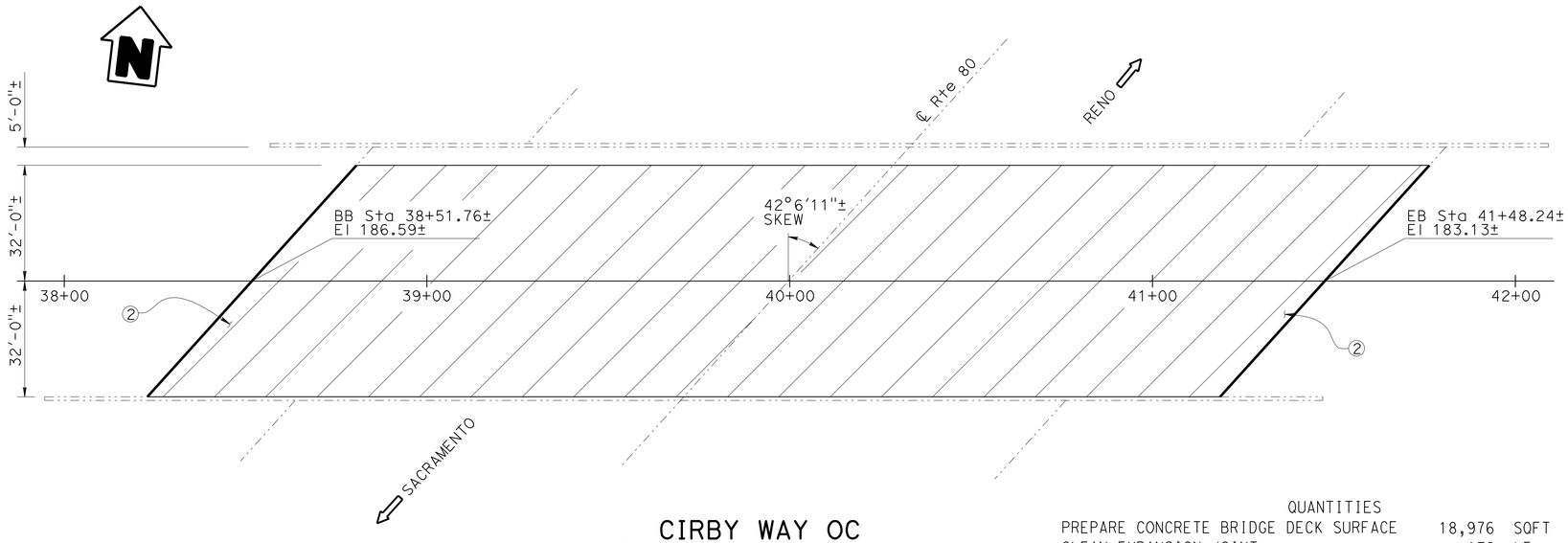
REGISTERED PROFESSIONAL ENGINEER — David Grenley — No. 52316 — Exp. 12/31/2010 — CIVIL — STATE OF CALIFORNIA



CIRBY WAY OC
Br No. 19-0134 Rte 80 PM 0.69

PLAN
1" = 20'

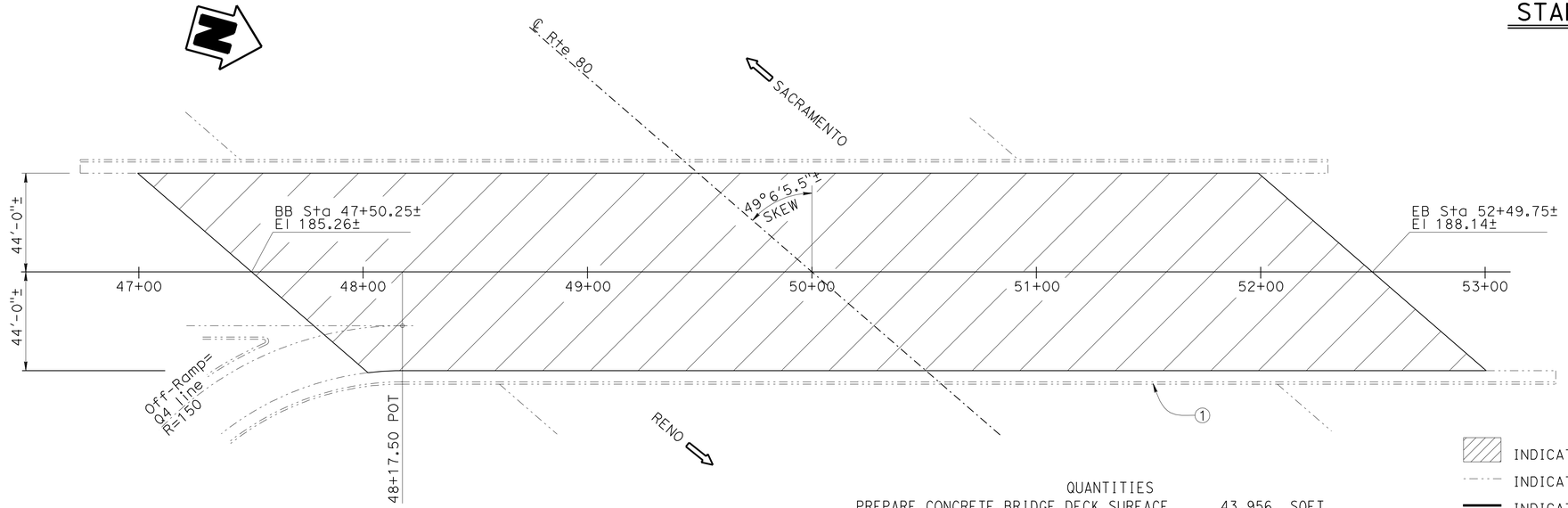
QUANTITIES		
PREPARE CONCRETE BRIDGE DECK SURFACE	18,976	SQFT
CLEAN EXPANSION JOINT	172	LF
FURNISH POLYESTER CONCRETE OVERLAY	1,188	CF
PLACE POLYESTER CONCRETE OVERLAY	18,976	SQFT
GRIND BRIDGE DECK	320	SQFT
JOINT SEAL (MR 1")	172	LF

INDEX TO PLANS

STANDARD PLANS DATED MAY 2006

A10A	ACRONYMS AND ABBREVIATIONS
RSP B6-21	JOINT SEALS
B11-55	CONCRETE BARRIER (TYPE732)

STANDARD PLAN SHEET No.
DETAIL No.



SOUTH ROSEVILLE OC
Br No. 19-0077 Rte 80 PM 0.27

PLAN
1" = 30'

QUANTITIES		
PREPARE CONCRETE BRIDGE DECK SURFACE	43,956	SQFT
INJECT CRACK (EPOXY)	150	LF
FURNISH POLYESTER CONCRETE OVERLAY	2,754	CF
PLACE POLYESTER CONCRETE OVERLAY	43,956	SQFT
GRIND BRIDGE DECK	440	SQFT

INDICATES LIMITS OF ¾" POLYESTER CONCRETE OVERLAY

INDICATES EXISTING

INDICATES LIMITS OF EXISTING JOINT SEAL REMOVAL, CLEAN AND PLACE NEW JOINT SEAL, SEE "JOINT SEAL DETAILS" SHEET.

① INJECT EPOXY ALONG THE LENGTH OF THE LEFT EXTERIOR GIRDER, AS DIRECTED BY THE ENGINEER.

② GRIND BRIDGE DECK FULL WIDTH, SEE "JOINT DETAILS" SHEET FOR LIMITS.

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

DESIGN ENGINEER

DESIGN	BY David Grenley	CHECKED Dhvani Desai			
DETAILS	BY Anthony Valdez	CHECKED D. Desai / E. Ortega	LAYOUT	BY David Grenley	CHECKED Dhvani Desai
QUANTITIES	BY Buster Hansen	CHECKED Wendy Hou	SPECIFICATIONS	BY Sirisha Nelapatla	PLANS AND SPECS COMPARED Sirisha Nelapatla

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 7

CU 03
EA 3E0901

BRIDGE NO.	I-80 REHAB
Various	
POST MILE	GENERAL PLAN No. 1
Various	

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 3-23-09 | 6-2-09 | 9-1-09 | 10-7-09 | 10-14-09 | 2-2-10 | 2-4-10 | 4-6-10 | 4-15-10

SHEET 1 OF 12

STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV.07-24-06)

FILE => 03_3e0901-a-gp-1.dgn

USERNAME => rtstrk DATE PLOTTED => 13-SEP-2010 TIME PLOTTED => 16:53

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Pla	80	0.3/29.3	46	56

REGISTERED CIVIL ENGINEER — 4/28/2010 DATE

9-13-10
PLANS APPROVAL DATE

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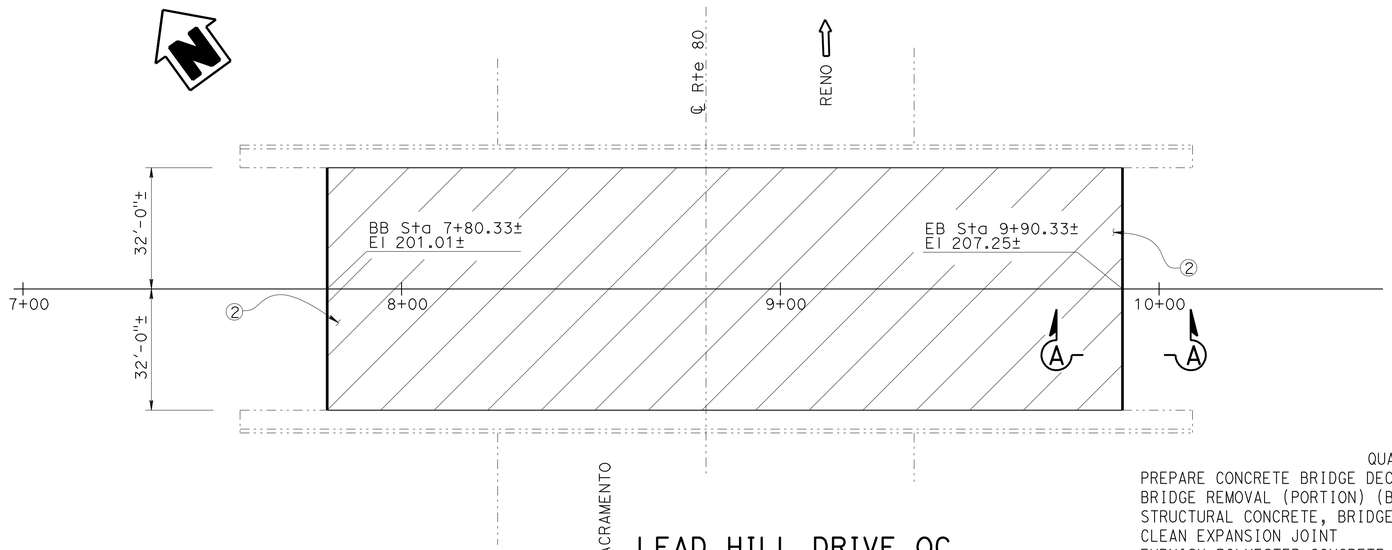
REGISTERED PROFESSIONAL ENGINEER — David Grenley — No. 53216 — Exp. 12/31/2010 — CIVIL — STATE OF CALIFORNIA

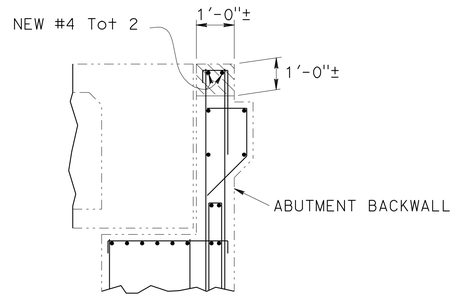


LEAD HILL DRIVE OC
Br No. 19-0150 Rte 80 PM 2.57

PLAN
1" = 20'

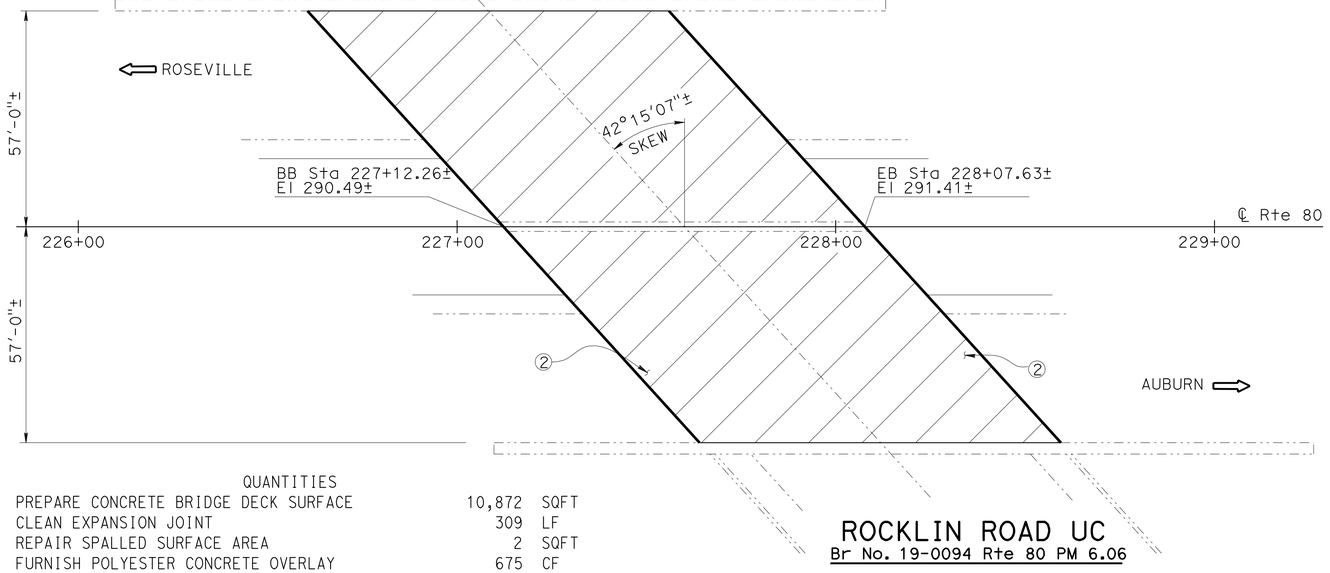
QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	13,440	SQFT
BRIDGE REMOVAL (PORTION) (BACKWALL)	64	CF
STRUCTURAL CONCRETE, BRIDGE	64	CF
CLEAN EXPANSION JOINT	130	LF
FURNISH POLYESTER CONCRETE OVERLAY	837	CF
PLACE POLYESTER CONCRETE OVERLAY	13,440	SQFT
GRIND BRIDGE DECK	320	SQFT
JOINT SEAL (MR 1")	130	LF
BAR REINFORCING STEL (BRIDGE)	88	LB



SECTION A-A
NO SCALE

REMOVE AND REPLACE TOP PORTION OF ABUTMENT BACKWALL.
VERTICAL REINFORCEMENT TO REMAIN UNDAMAGED.
LIMITS OF REPAIR TO BE DETERMINED BY ENGINEER.



ROCKLIN ROAD UC
Br No. 19-0094 Rte 80 PM 6.06

PLAN
1" = 20'

QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	10,872	SQFT
CLEAN EXPANSION JOINT	309	LF
REPAIR SPALLED SURFACE AREA	2	SQFT
FURNISH POLYESTER CONCRETE OVERLAY	675	CF
PLACE POLYESTER CONCRETE OVERLAY	10,872	SQFT
GRIND BRIDGE DECK	1,425	SQFT
JOINT SEAL (MR 1")	309	LF

NOTES:

- INDICATES LIMITS OF BACKWALL REPAIR
- INDICATES LIMITS OF ¾" POLYESTER CONCRETE OVERLAY
- INDICATES EXISTING
- INDICATES LIMITS OF EXISTING JOINT SEAL REMOVAL, CLEAN AND PLACE NEW JOINT SEAL, SEE "JOINT SEAL DETAILS" SHEET.

① PATCH SPALLS ALONG THE LENGTH OF THE LEFT EXTERIOR GIRDER, AS DIRECTED BY THE ENGINEER.

② GRIND BRIDGE DECK FULL WIDTH, SEE "JOINT DETAILS" SHEET FOR LIMITS.

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

DESIGN ENGINEER

	BY	CHECKED
DESIGN	David Grenley	Dhvani Desai
DETAILS	Anthony Valdez	D. Desai / E. Ortega
QUANTITIES	Buster Hansen	Wendy Hou
LAYOUT	David Grenley	Dhvani Desai
SPECIFICATIONS	Sirisha Nelapatla	PLANS AND SPECS COMPARED Sirisha Nelapatla

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 7

CU 03
EA 3E0901

BRIDGE NO.	Various
POST MILE	Various

I-80 REHAB
GENERAL PLAN No. 2

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES: 3-26-09 | 6-1-09 | 7-16-09 | 7-30-09 | 9-1-09 | 9-16-09 | 10-7-09 | 2-4-10 | 4-6-10 | 4-15-10

SHEET 2 OF 12

STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV.07-24-06)

FILE => 03_3e0901-a-gp-2.dgn

USERNAME => trsatrk DATE PLOTTED => 13-SEP-2010 TIME PLOTTED => 16:53

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Pla	80	0.3/29.3	47	56

4/28/2010
REGISTERED CIVIL ENGINEER — DATE

9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
David Grenley
No. 52316
Exp. 12/31/2010
CIVIL
STATE OF CALIFORNIA

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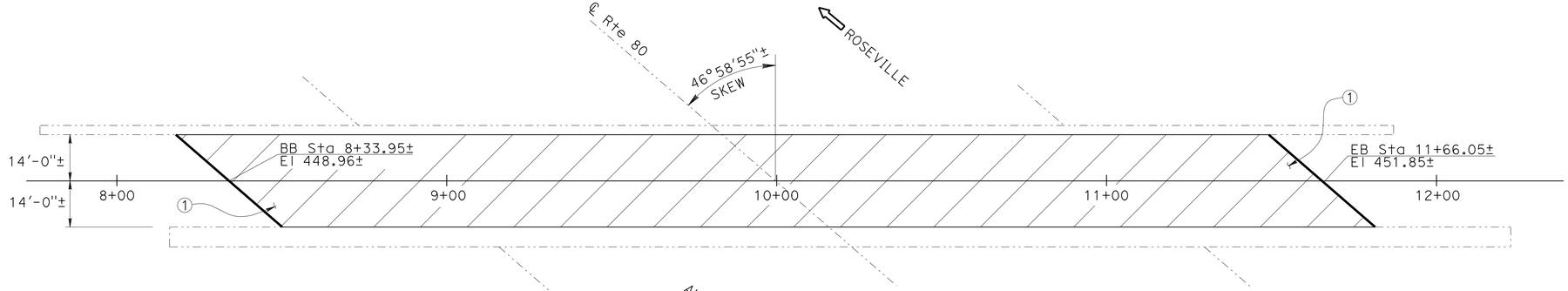

QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	9,300	SQFT
CLEAN EXPANSION JOINT	88	LF
FURNISH POLYESTER CONCRETE OVERLAY	594	CF
PLACE POLYESTER CONCRETE OVERLAY	9,300	SQFT
GRIND BRIDGE DECK	140	SQFT
JOINT SEAL (MR 1")	88	LF

PENRYN ROAD OC
Br No. 19-0099 Rte 80 PM 10.35

PLAN
1" = 20'

NOTES:

- INDICATES LIMITS OF ¾" POLYESTER CONCRETE OVERLAY
- INDICATES EXISTING
- INDICATES LIMITS OF EXISTING JOINT SEAL REMOVAL, CLEAN AND PLACE NEW JOINT SEAL, SEE "JOINT SEAL DETAILS" SHEET.
- ① GRIND BRIDGE DECK FULL WIDTH, SEE "JOINT DETAILS" SHEET FOR LIMITS.

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

DESIGN ENGINEER

DESIGN	BY David Grenley	CHECKED Dhvani Desai				
DETAILS	BY A. Valdez / Y. Feng	CHECKED D. Desai / E. Ortega	LAYOUT	BY David Grenley	CHECKED Dhvani Desai	
QUANTITIES	BY Buster Hansen	CHECKED Wendy Hou	SPECIFICATIONS	BY Sirisha Nelapatla	PLANS AND SPECS COMPARED Sirisha Nelapatla	

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 7

CU 03
EA 3E0901

BRIDGE NO. Various
POST MILE Various

I-80 REHAB
GENERAL PLAN No. 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 3-26-09 | 6-16-09 | 6-24-09 | 9-3-09 | 10-2-09 | 2-1-10 | 4-6-10 | 4-15-10

SHEET 3 OF 12

STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV.07-24-06)

FILE => 03_3e0901-a-gp-3.dgn

DATE PLOTTED => 13-SEP-2010 TIME PLOTTED => 16:53
USERNAME => frostrk

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Pla	80	0.3/29.3	48	56

REGISTERED CIVIL ENGINEER — 4/28/2010 DATE

9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — David Grenley No. 52316 Exp. 12/31/2010 CIVIL — STATE OF CALIFORNIA

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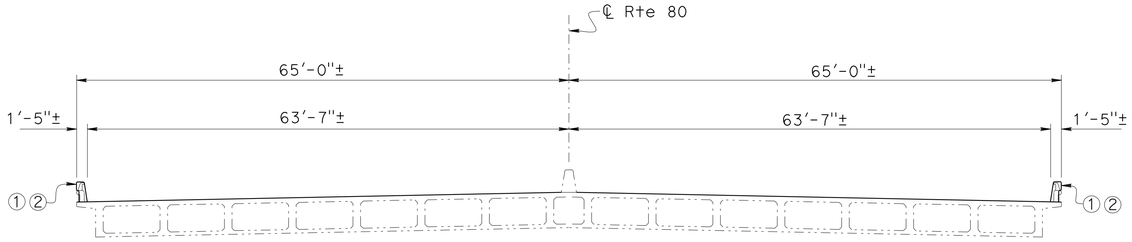


TYPICAL SECTION
1" = 10'

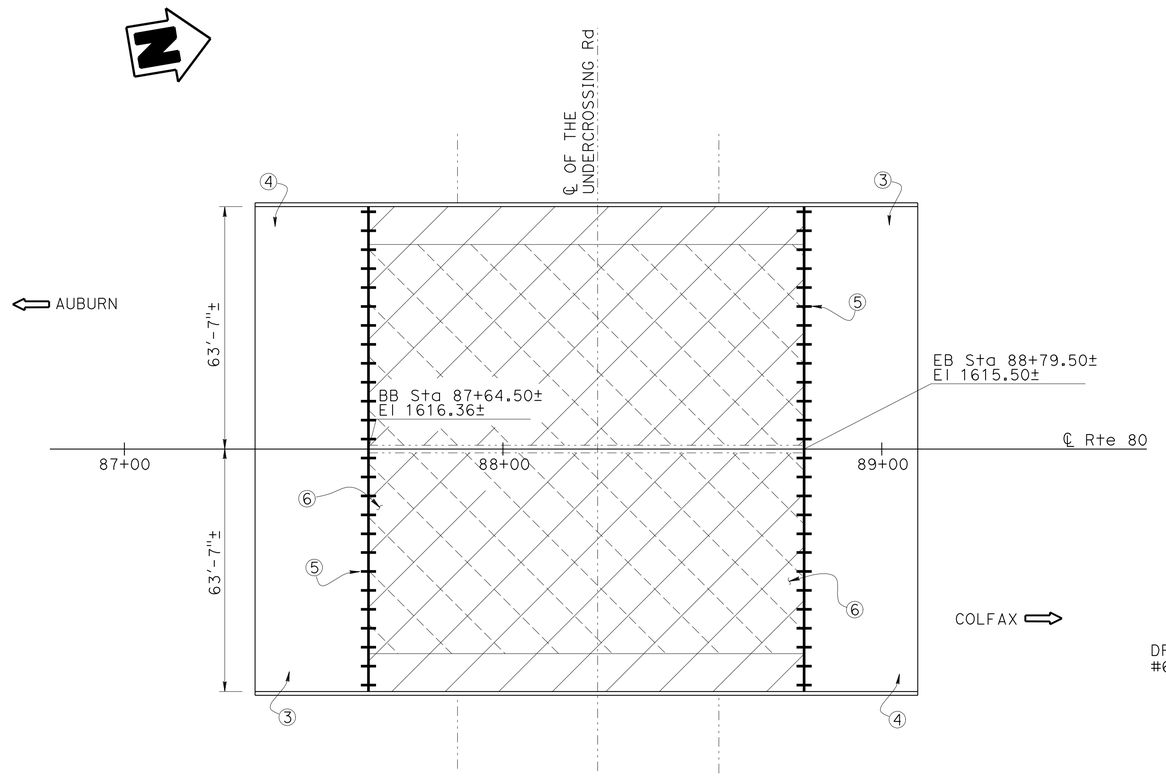
NOTES:

- INDICATES LIMITS OF REMOVAL OF Approx 3" AC OVERLAY W/ MEMBRANE SEAL
- INDICATES LIMITS OF ¾" POLYESTER CONCRETE OVERLAY
- INDICATES EXISTING
- INDICATES LIMITS OF EXISTING JOINT SEAL REMOVAL, CLEAN AND PLACE NEW JOINT SEAL, SEE "JOINT SEAL DETAILS" SHEET.

① REMOVE & SALVAGE EXISTING BRIDGE RAIL
② NEW CONCRETE BARRIER (TYPE 732R)
③ REMOVE EXISTING APPROACH SLAB
④ NEW APPROACH SLAB TYPE R(30D)
⑤ SNOWPLOW DEFLECTOR
⑥ GRIND BRIDGE DECK FULL WIDTH, SEE "JOINT DETAILS" SHEET FOR LIMITS.

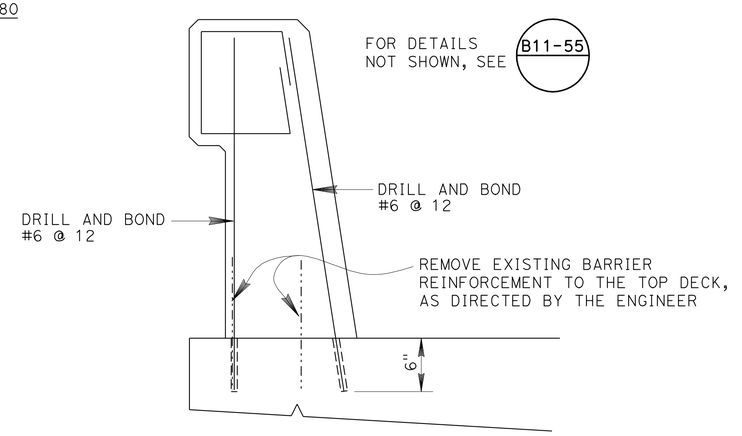
QUANTITIES

REMOVE ASPHALT CONCRETE SURFACING	11,880	SQFT
PREPARE CONCRETE BRIDGE DECK SURFACE	14,624	SQFT
BRIDGE REMOVAL (PORTION), LOCATION A	LUMP	SUM
AGGREGATE BASE (APPROACH SLAB)	29	CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	283	CY
FURNISH POLYESTER CONCRETE OVERLAY	918	CF
PLACE POLYESTER CONCRETE OVERLAY	14,624	SQFT
GRIND BRIDGE DECK	1,590	SQFT
SNOWPLOW DEFLECTOR	52	EA
JOINT SEAL (MR 1")	257	LF
CONCRETE BARRIER (TYPE 732R)	350	LF



BOWMAN UC
Br No. 19-0042 Rte 80 PM 20.13

PLAN
1" = 20'



TYPE 732 RETROFIT
NO SCALE

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

FOR CONSTRUCTION STAGING INFORMATION, SEE "STAGE CONSTRUCTION PLANS"

DESIGN ENGINEER

DESIGN	BY David Grenley	CHECKED Dhvani Desai				
DETAILS	BY A. Valdez / Y. Feng	CHECKED D. Desai / E. Ortega	LAYOUT	BY David Grenley	CHECKED Dhvani Desai	
QUANTITIES	BY Buster Hansen	CHECKED Wendy Hou	SPECIFICATIONS	BY Sirisha Nelapatla	PLANS AND SPECS COMPARED Sirisha Nelapatla	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 7

BRIDGE NO. Various
POST MILE Various

I-80 REHAB
GENERAL PLAN No. 4

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 03
EA 3E0901

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 3-26-09 | 6-2-09 | 6-24-09 | 7-1-09 | 9-1-09 | 10-2-09 | 10-16-09 | 2-4-10 | 4-15-10

SHEET 4 OF 12

STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV.07-24-06)

FILE => 03_3e0901-a-gp-4.dgn

USERNAME => rtstrk DATE PLOTTED => 13-SEP-2010 TIME PLOTTED => 16:53

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Pla	80	0.3/29.3	49	56

4/28/2010
REGISTERED CIVIL ENGINEER DATE

9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — David Grenley — No. 52316 — Exp. 12/31/2010 — CIVIL — STATE OF CALIFORNIA

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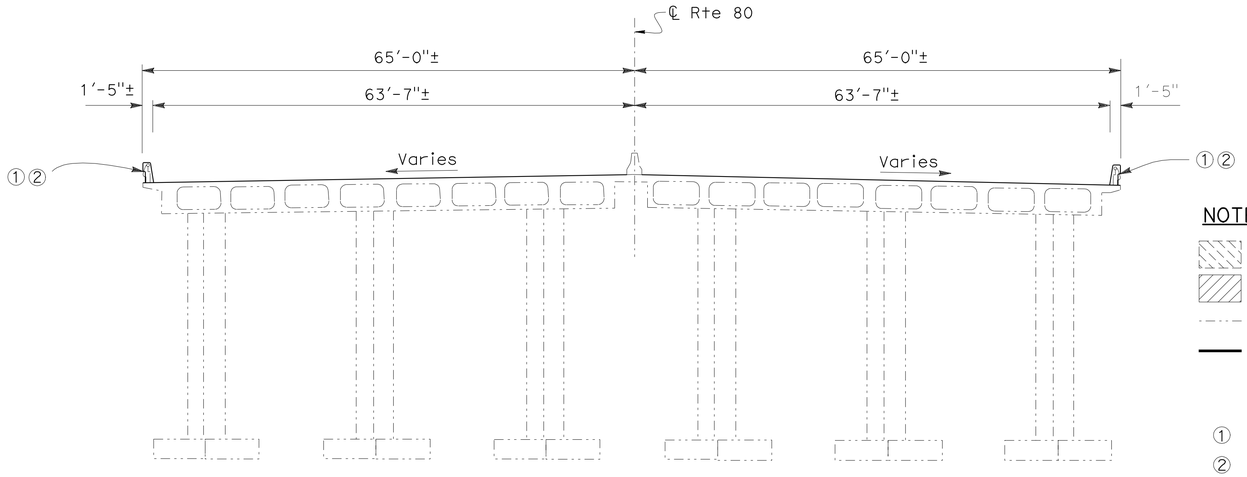
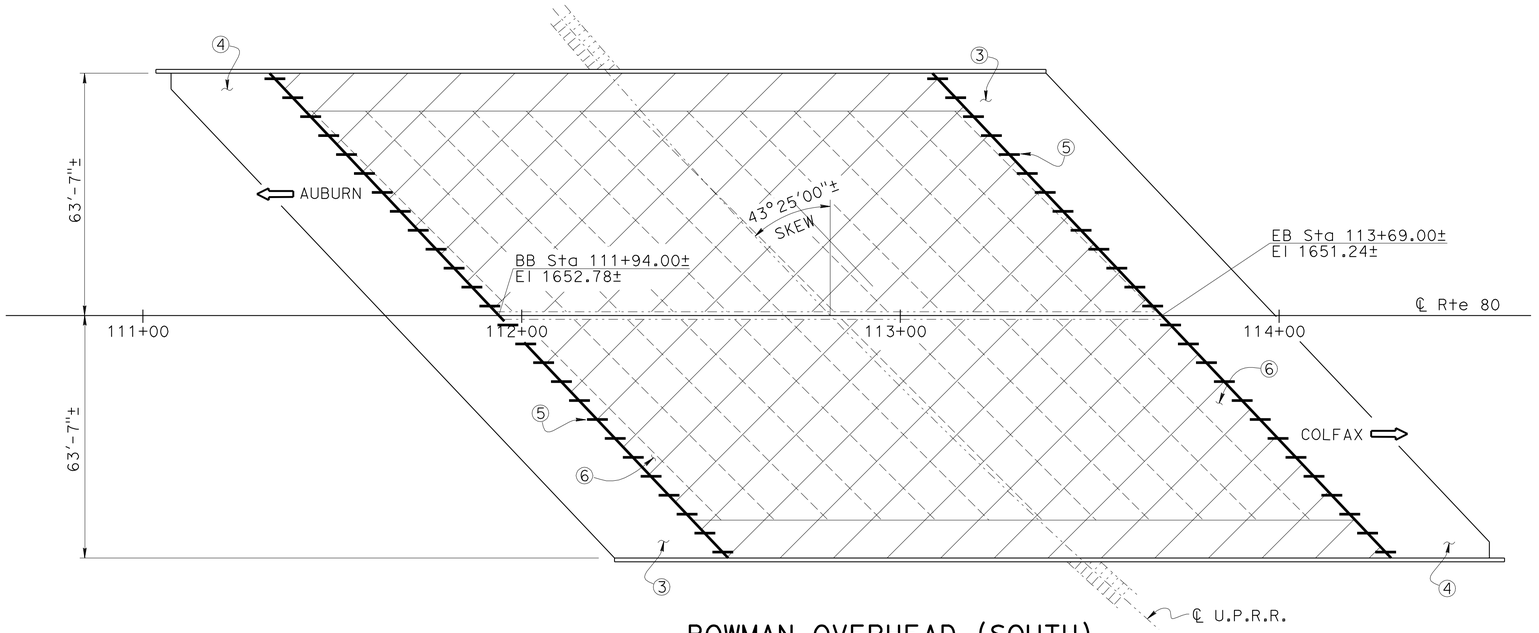


TYPICAL SECTION

1" = 10'



BOWMAN OVERHEAD (SOUTH)

Br No. 19-0023 Rte 80 PM 20.59

PLAN

1" = 20'

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

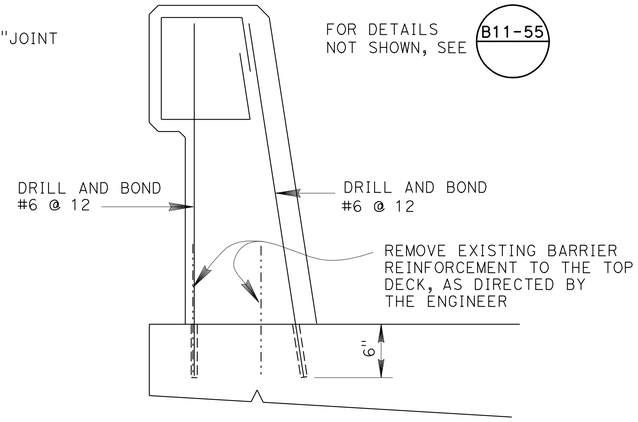
FOR CONSTRUCTION STAGING INFORMATION, SEE "STAGE CONSTRUCTION PLANS"

NOTES:

- INDICATES LIMITS OF REMOVAL OF Approx 3" AC OVERLAY W/ MEMBRANE SEAL
- INDICATES LIMITS OF ¾" POLYESTER CONCRETE OVERLAY
- INDICATES EXISTING
- INDICATES LIMITS OF EXISTING JOINT SEAL REMOVAL, CLEAN AND PLACE NEW JOINT SEAL, SEE "JOINT SEAL DETAILS" SHEET.

FOR CONSTRUCTION STAGING INFORMATION, SEE "STAGE CONSTRUCTION PLANS".

① REMOVE & SALVAGE EXISTING BRIDGE RAIL
② NEW CONCRETE BARRIER (TYPE 732R)
③ REMOVE EXISTING APPROACH SLAB
④ NEW APPROACH SLAB TYPE R(30D)
⑤ SNOWPLOW DEFLECTOR
⑥ GRIND BRIDGE DECK FULL WIDTH, SEE "JOINT DETAILS" SHEET FOR LIMITS.



FOR DETAILS NOT SHOWN, SEE B11-55

TYPE 732 RETROFIT

NO SCALE

QUANTITIES

REMOVE ASPHALT CONCRETE SURFACING	18,900	SQFT
PREPARE CONCRETE BRIDGE DECK SURFACE	22,254	SQFT
BRIDGE REMOVAL (PORTION), LOCATION B	LUMP	SUM
AGGREGATE BASE (APPROACH SLAB)	29	CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	283	CY
FURNISH POLYESTER CONCRETE OVERLAY	1,404	CF
PLACE POLYESTER CONCRETE OVERLAY	22,254	SQFT
GRIND BRIDGE DECK	1,590	SQFT
SNOWPLOW DEFLECTOR	52	EA
JOINT SEAL (MR 1½")	352	LF
CONCRETE BARRIER (TYPE 732R)	470	LF

Abdu Jourzani
DESIGN ENGINEER

DESIGN	BY David Grenley	CHECKED Dhvani Desai				
DETAILS	BY A. Valdez / Y. Feng	CHECKED D. Desai / E. Ortega	LAYOUT	BY David Grenley	CHECKED Dhvani Desai	
QUANTITIES	BY Buster Hansen	CHECKED Wendy Hou	SPECIFICATIONS	BY Sirisha Nelapatla	PLANS AND SPECS COMPARED Sirisha Nelapatla	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 7

CU 03
EA 3E0901

BRIDGE NO. Various
POST MILE Various

I-80 REHAB
GENERAL PLAN No. 5

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 6-2-09 | 2-4-10 | 4-15-10 | 7-2-09 | 7-7-09 | 7-28-09 | 9-3-09 | 10-7-09 | 10-14-09

SHEET 5 OF 12

STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV.07-24-06)

FILE => 03_3e0901-a-gp-5.dgn

USERNAME => ttrstrk DATE PLOTTED => 13-SEP-2010 TIME PLOTTED => 16:53

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Pla	80	0.3/29.3	50	56

REGISTERED CIVIL ENGINEER — 4/28/2010 DATE

9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — David Grenley — No. 52316 — Exp. 12/31/2010 — CIVIL — STATE OF CALIFORNIA

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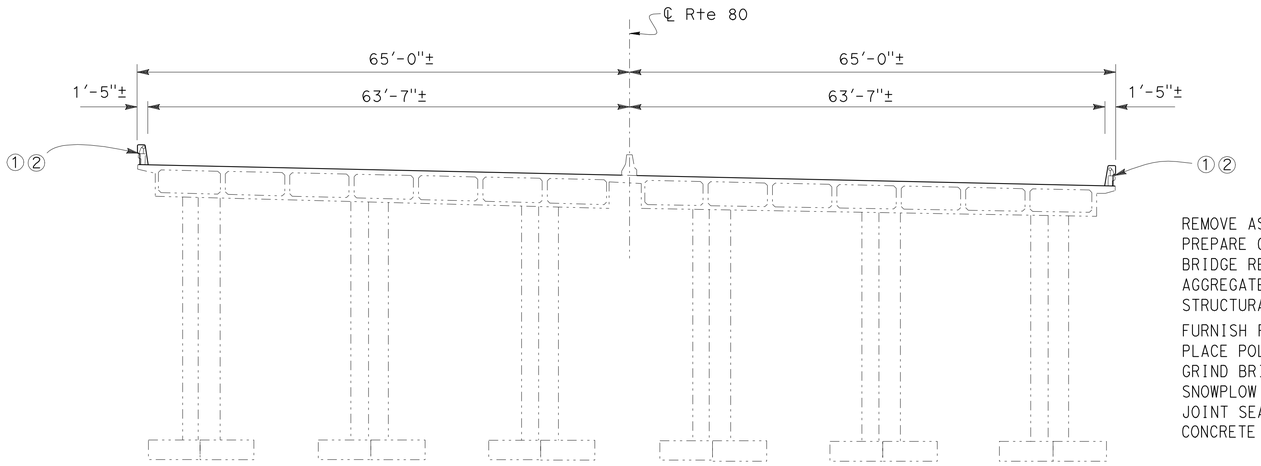


TYPICAL SECTION
1" = 10'

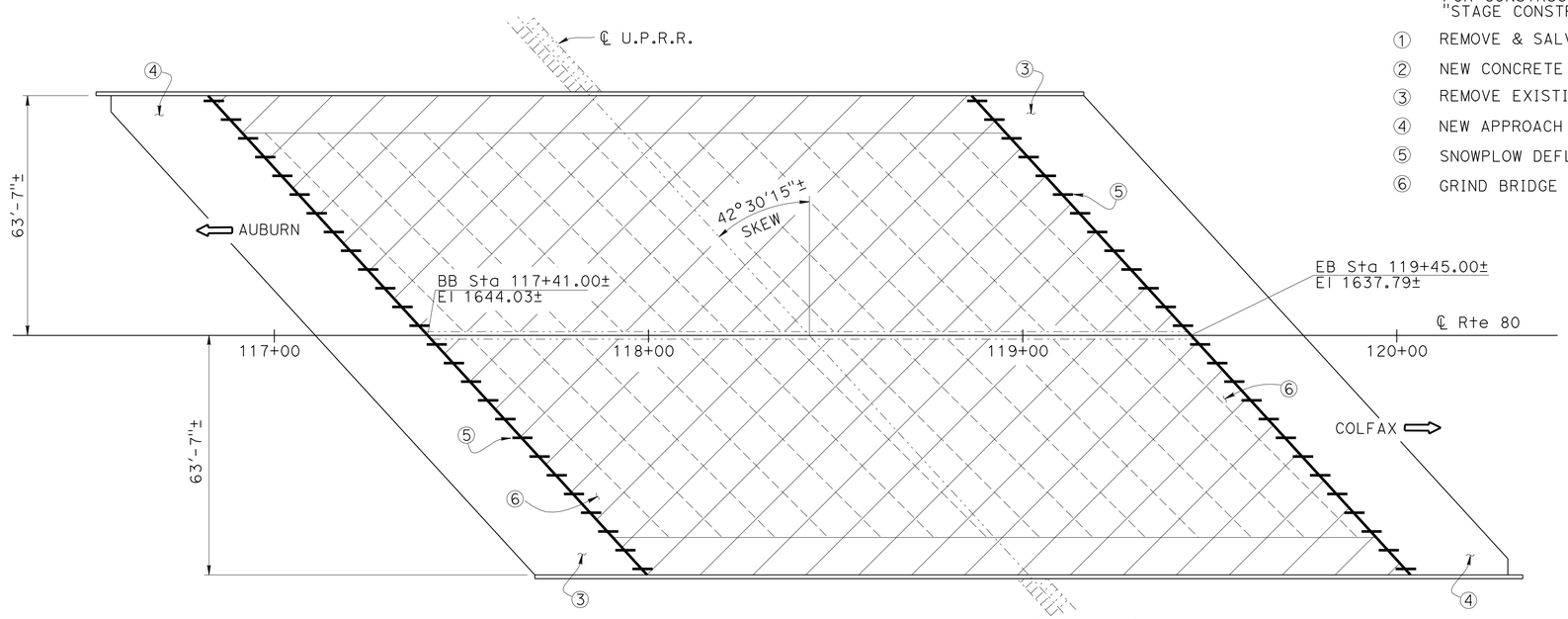
QUANTITIES		
REMOVE ASPHALT CONCRETE SURFACING	22,032	SQFT
PREPARE CONCRETE BRIDGE DECK SURFACE	25,942	SQFT
BRIDGE REMOVAL (PORTION), LOCATION C	LUMP	SUM
AGGREGATE BASE (APPROACH SLAB)	29	CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	283	CY
FURNISH POLYESTER CONCRETE OVERLAY	1,620	CF
PLACE POLYESTER CONCRETE OVERLAY	25,942	SQFT
GRIND BRIDGE DECK	1,590	SQFT
SNOWPLOW DEFLECTOR	52	EA
JOINT SEAL (MR 1½")	346	LF
CONCRETE BARRIER (TYPE 732R)	528	LF

NOTES:

- INDICATES LIMITS OF REMOVAL OF Approx 3" AC OVERLAY W/ MEMBRANE SEAL
- INDICATES LIMITS OF ¾" POLYESTER CONCRETE OVERLAY
- INDICATES EXISTING
- INDICATES LIMITS OF EXISTING JOINT SEAL REMOVAL, CLEAN AND PLACE NEW JOINT SEAL, SEE "JOINT SEAL DETAILS" SHEET.

FOR CONSTRUCTION STAGING INFORMATION, SEE "STAGE CONSTRUCTION PLANS".

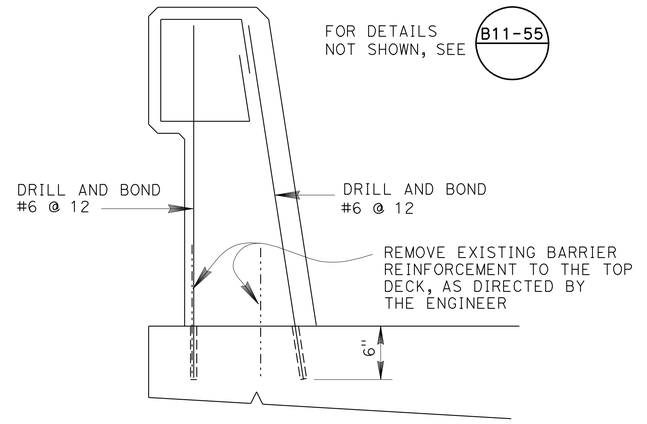
① REMOVE & SALVAGE EXISTING BRIDGE RAIL
② NEW CONCRETE BARRIER (TYPE 732R)
③ REMOVE EXISTING APPROACH SLAB
④ NEW APPROACH SLAB TYPE R(30D)
⑤ SNOWPLOW DEFLECTOR
⑥ GRIND BRIDGE DECK FULL WIDTH, SEE "JOINT DETAILS" SHEET FOR LIMITS.



BOWMAN OVERHEAD (NORTH)
Br No. 19-0024 Rte 80 PM 20.69

PLAN
1" = 20'

FOR CONSTRUCTION STAGING INFORMATION, SEE "STAGE CONSTRUCTION PLANS"



TYPE 732 RETROFIT
NO SCALE

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

DESIGN ENGINEER

		BY	CHECKED
DESIGN		David Grenley	Dhvani Desai
DETAILS		A. Valdez / Y. Feng	D. Desai / E. Ortega
QUANTITIES		Buster Hansen	Wendy Hou
LAYOUT		David Grenley	Dhvani Desai
SPECIFICATIONS		Sirisha Nelapatla	PLANS AND SPECS COMPARED Sirisha Nelapatla

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 7

CU 03
EA 3E0901

BRIDGE NO.	I-80 REHAB
Various	
POST MILE	GENERAL PLAN No. 6
Various	

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES										SHEET	OF
4-3-09	6-2-09	6-12-09	6-24-09	7-3-09	7-7-09	9-3-09	10-1-09	10-14-09	4-15-10	6	12

FILE => 03_3e0901-a-gp-6.dgn

STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV.07-24-06)

USERNAME => tratfk DATE PLOTTED => 13-SEP-2010 TIME PLOTTED => 16:53

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Pla	80	0.3/29.3	51	56

4/28/2010
REGISTERED CIVIL ENGINEER DATE

9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
David Grenley
No. 52316
Exp. 12/31/2010
CIVIL
STATE OF CALIFORNIA

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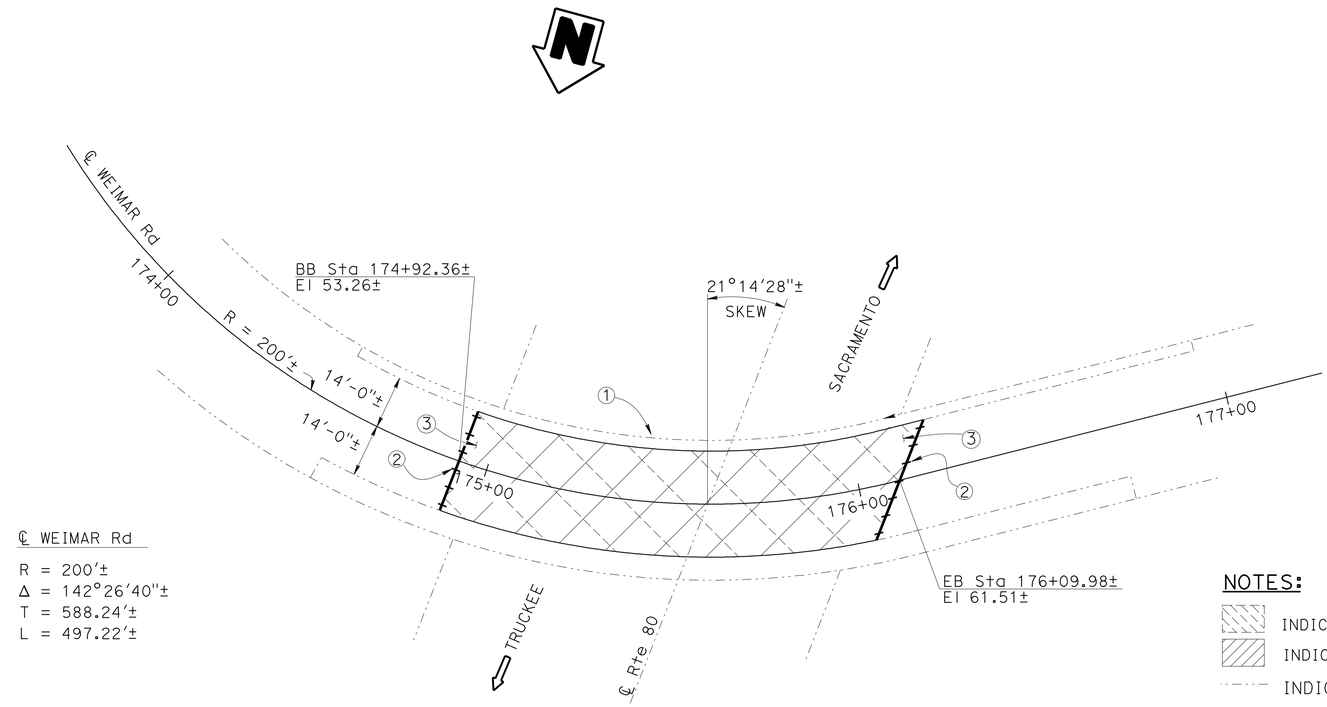

℄ WEIMAR Rd

R = 200'±
Δ = 142°26'40"±
T = 588.24'±
L = 497.22'±

WEIMAR CROSS ROAD OC

Br No. 19-0083 Rte 80 PM 29.32

PLAN

1" = 20'

QUANTITIES		
REMOVE ASPHALT CONCRETE SURFACING	4,342	SQFT
PREPARE CONCRETE BRIDGE DECK SURFACE	4,342	SQFT
CLEAN EXPANSION JOINT	64	LF
FURNISH POLYESTER CONCRETE OVERLAY	216	CF
PLACE POLYESTER CONCRETE OVERLAY	4,342	SQFT
GRIND BRIDGE DECK	140	SQFT
SNOWPLOW DEFLECTOR	13	EA
JOINT SEAL (MR 1")	64	LF

NOTES:

INDICATES LIMITS OF REMOVAL OF Approx 3" AC OVERLAY W/ MEMBRANE SEAL

INDICATES LIMITS OF ¾" POLYESTER CONCRETE OVERLAY

INDICATES EXISTING

INDICATES LIMITS OF EXISTING JOINT SEAL REMOVAL, CLEAN AND PLACE NEW JOINT SEAL, SEE "JOINT SEAL DETAILS" SHEET.

① PATCH SPALLS ALONG THE LENGTH OF THE LEFT EXTERIOR GIRDER, AS DIRECTED BY THE ENGINEER.

② SNOWPLOW DEFLECTOR

③ GRIND BRIDGE DECK FULL WIDTH, SEE "JOINT DETAILS" SHEET FOR LIMITS.

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

DESIGN ENGINEER	DESIGN	BY David Grenley	CHECKED Dhvani Desai				
	DETAILS	BY Anthony Valdez	CHECKED D. Desai / E. Ortega	LAYOUT	BY David Grenley	CHECKED Dhvani Desai	
	QUANTITIES	BY Buster Hansen	CHECKED Wendy Hou	SPECIFICATIONS	BY Sirisha Nelapatla	PLANS AND SPECS COMPARED Sirisha Nelapatla	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 7

BRIDGE NO. Various
POST MILE Various

I-80 REHAB
GENERAL PLAN No. 7

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 03
EA 3E0901

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 6-3-09 | 6-2-09 | 6-26-09 | 9-3-09 | 10-2-09 | 10-16-09 | 2-4-10 | 4-6-10 | 4-15-10

SHEET 7 OF 12

STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV.07-24-06)

FILE => 03_3e0901-a-gp-7.dgn

USERNAME => trstrk DATE PLOTTED => 13-SEP-2010 TIME PLOTTED => 16:54

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Pla	80	0.3/29.3	52	56

4/28/2010
REGISTERED CIVIL ENGINEER DATE

9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
David Grenley
No. 52316
Exp. 12/31/2010
CIVIL
STATE OF CALIFORNIA

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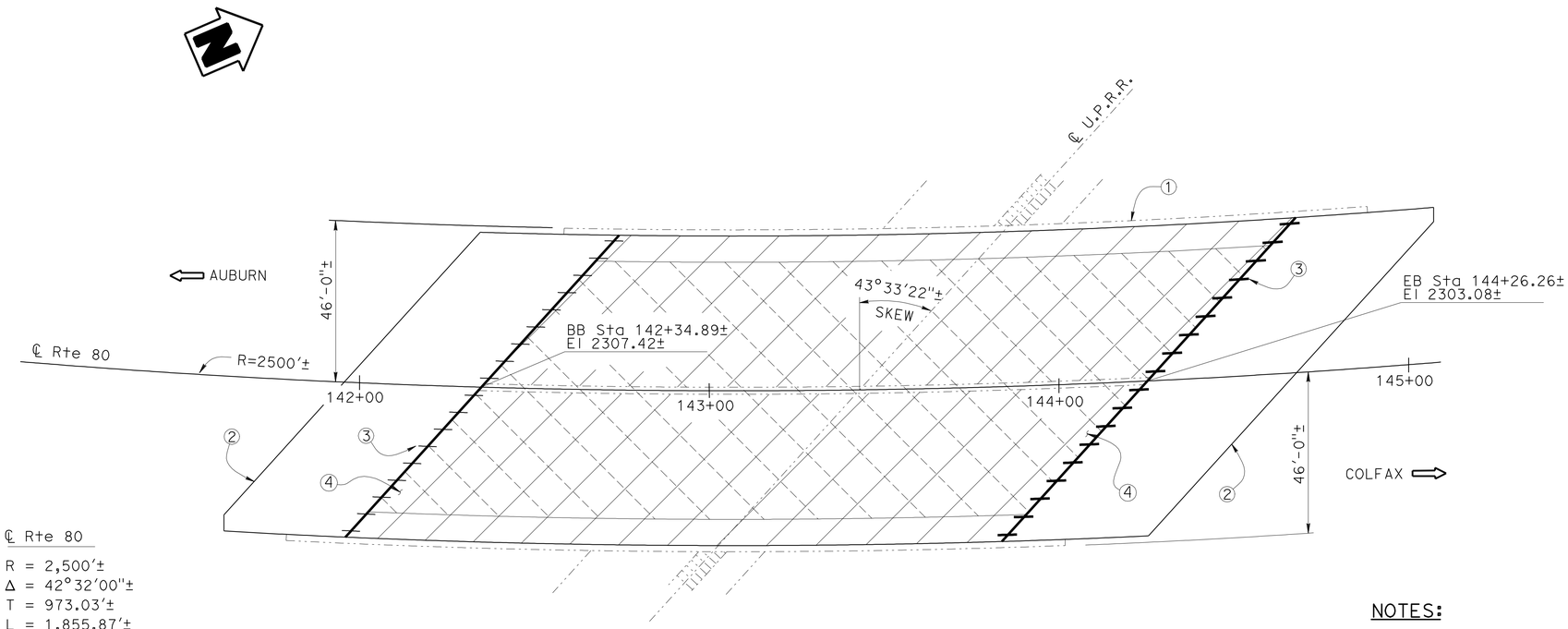

℄ Rte 80

R = 2,500'±
Δ = 42°32'00"±
T = 973.03'±
L = 1,855.87'±

WEIMAR OVERHEAD

Br No. 19-0038 Rte 80 PM 28.73

PLAN

1" = 20'

QUANTITIES		
REMOVE ASPHALT CONCRETE SURFACING	14,066	SQFT
PREPARE CONCRETE BRIDGE DECK SURFACE	17,609	SQFT
AGGREGATE BASE (APPROACH SLAB)	21	CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	204	CY
REPAIR SPALLED SURFACE AREA	1	SQFT
FURNISH POLYESTER CONCRETE OVERLAY	1,107	CF
PLACE POLYESTER CONCRETE OVERLAY	17,609	SQFT
GRIND BRIDGE DECK	1,150	SQFT
SNOWPLOW DEFLECTOR	36	EA
JOINT SEAL (MR 1½")	244	LF

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

FOR CONSTRUCTION STAGING INFORMATION, SEE "STAGE CONSTRUCTION PLANS"

NOTES:

- INDICATES LIMITS OF REMOVAL OF Approx 3" AC OVERLAY W/ MEMBRANE SEAL
- INDICATES LIMITS OF ¾" POLYESTER CONCRETE OVERLAY
- INDICATES EXISTING
- INDICATES LIMITS OF EXISTING JOINT SEAL REMOVAL, CLEAN AND PLACE NEW JOINT SEAL, SEE "JOINT SEAL DETAILS" SHEET.

FOR CONSTRUCTION STAGING INFORMATION, SEE "STAGE CONSTRUCTION PLANS".

① PATCH SOFFIT SPALL IN SPAN 3, Approx 10" x 10" x 2" DEEP
② NEW APPROACH SLAB TYPE R(30D)
③ SNOWPLOW DEFLECTOR
④ GRIND BRIDGE DECK FULL WIDTH, SEE "JOINT DETAILS" SHEET FOR LIMITS.

DESIGN ENGINEER	DESIGN	BY David Grenley	CHECKED Dhvani Desai				
	DETAILS	BY A. Valdez / Y. Feng	CHECKED D. Desai / E. Ortega	LAYOUT	BY David Grenley	CHECKED Dhvani Desai	
	QUANTITIES	BY Buster Hansen	CHECKED Wendy Hou	SPECIFICATIONS	BY Sirisha Nelapatla	PLANS AND SPECS COMPARED Sirisha Nelapatla	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 7

BRIDGE NO. Various
POST MILE Various

I-80 REHAB
GENERAL PLAN No. 8

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 03
EA 3E0901

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 4-14-09 | 5-1-09 | 6-16-09 | 6-24-09 | 9-1-09 | 9-30-09 | 10-1-09 | 10-14-09 | 2-4-10

SHEET 8 OF 12

STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV.07-24-06)

FILE => 03_3e0901-a-gp-8.dgn

USERNAME => YrsitK DATE PLOTTED => 13-SEP-2010 TIME PLOTTED => 16:54

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Pla	80	0.3/29.3	53	56

4/28/2010
REGISTERED CIVIL ENGINEER DATE

9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
David Grenley
No. 52316
Exp 12/31/2010
CIVIL
STATE OF CALIFORNIA

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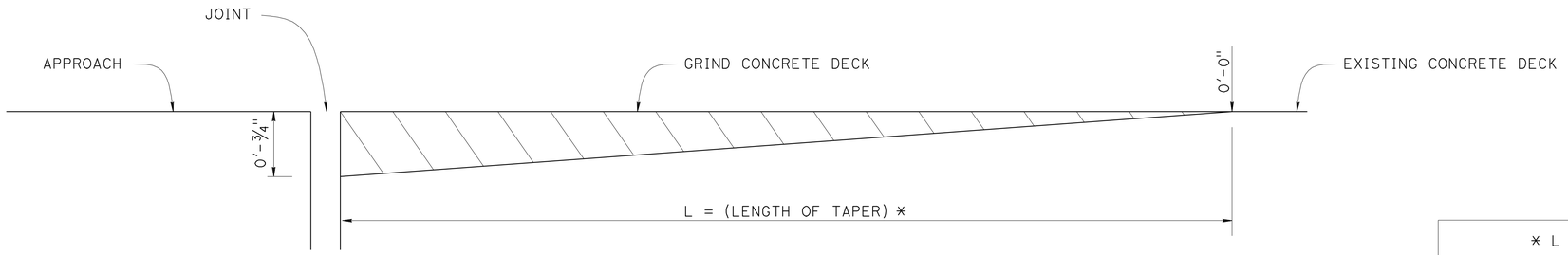
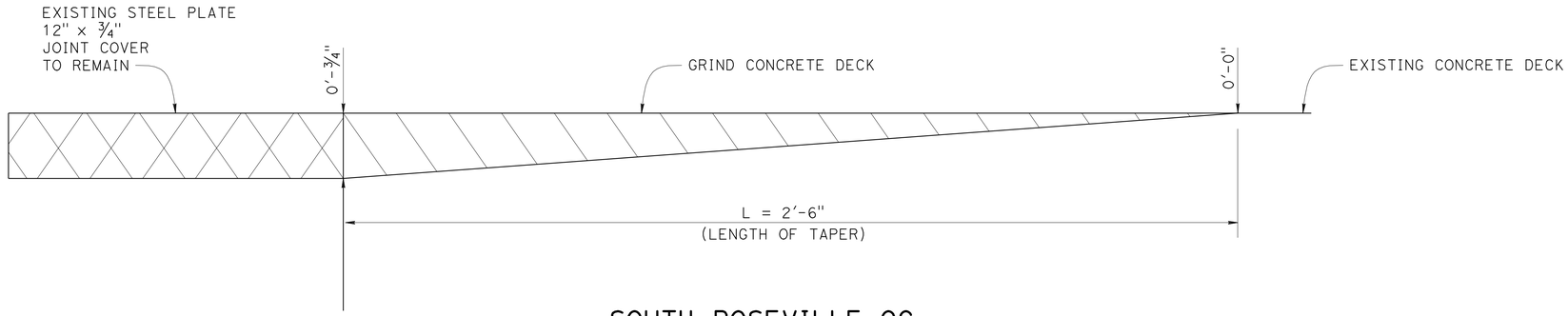


JOINT DETAIL CROSS SECTION

NO SCALE

* L = (LENGTH OF TAPER)		
LENGTH	NAME	Br NUMBER
2'-6"	CIRBY WAY OC	19-0134
	LEAD HILL Dr OC	19-0150
	PENRYN Rd OC	19-0099
	WEIMAR CROSS Rd OC	19-0083
6'-3"	ROCKLIN Rd UC	19-0094
	BOWMAN UC	19-0042
	BOWMAN OH SOUTH	19-0023
	BOWMAN OH NORTH	19-0024
	WEIMAR OH	19-0038



SOUTH ROSEVILLE OC

Br No. 19-0077 Rte 80 PM 0.27

JOINT DETAIL CROSS SECTION

NO SCALE

DESIGN	BY David Grenley	CHECKED Dhvani Desai	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 7	BRIDGE NO. Various	I-80 REHAB
DETAILS	BY Anthony Valdez	CHECKED D. Desai / E. Ortega			POST MILE Various	JOINT DETAILS
QUANTITIES	BY Buster Hansen	CHECKED Wendy Hou				

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 10/25/05)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 03
EA 3E0901

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 8-26-09 | 9-3-09 | 10-2-09 | 10-19-09

SHEET 9 OF 12

FILE => 03_3e0901-a-gp-det.dgn

USERNAME => trstrk DATE PLOTTED => 13-SEP-2010 TIME PLOTTED => 16:54

DIST.	COUNTY	ROUTE	MILE POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla	80	0.3/29.3	54	56

REGISTERED ENGINEER - CIVIL — 4/28/2010

PLANS APPROVAL DATE — 9-13-10

REGISTERED PROFESSIONAL ENGINEER — David Grenley — No. 52316 — Exp 12/31/2010 — CIVIL — STATE OF CALIFORNIA

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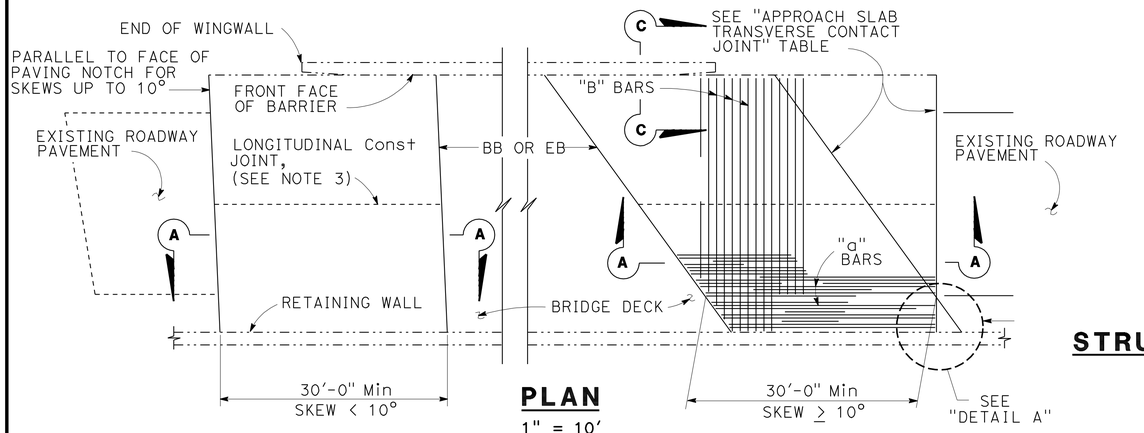
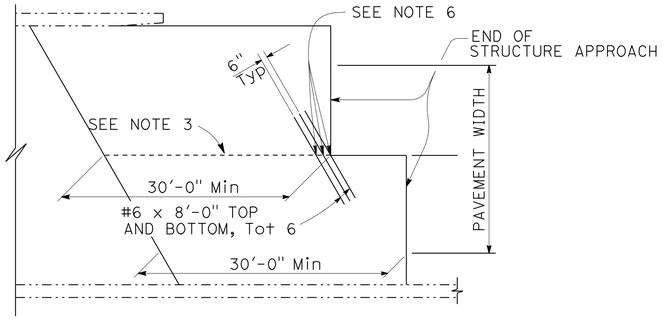
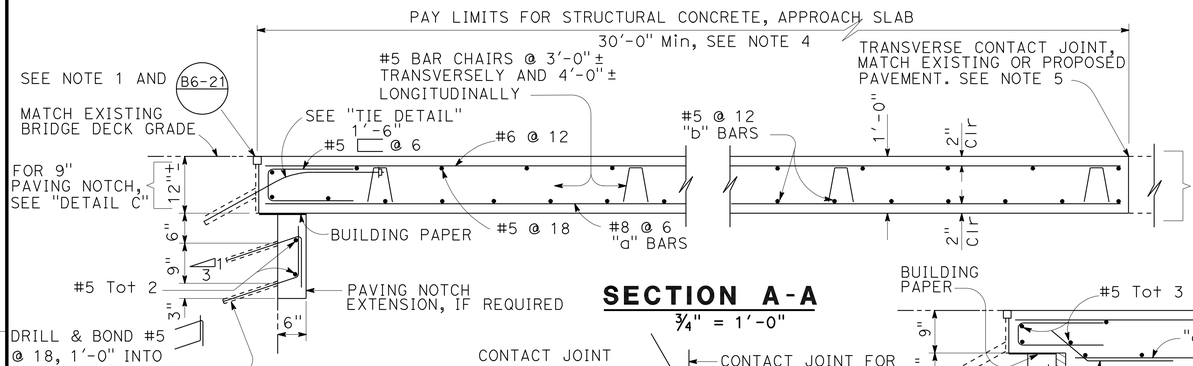


PLAN
1" = 10'

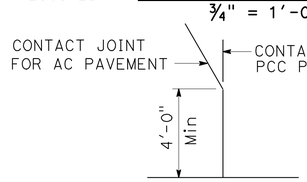


STRUCTURE APPROACH - END STAGGER DETAIL
NO SCALE

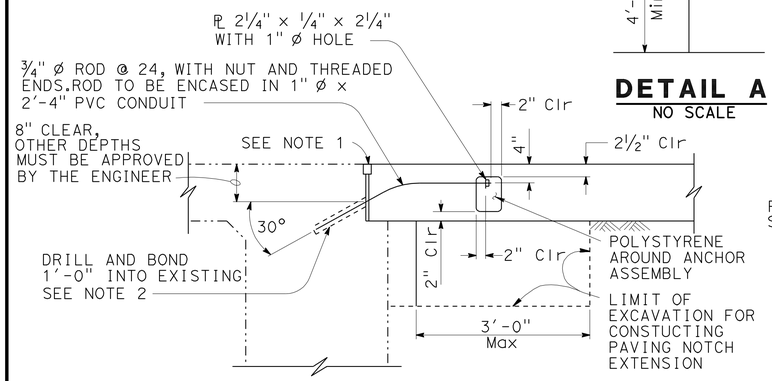
APPROACH SLAB TRANSVERSE CONTACT JOINT		
APPROACH SKEW	WITH AC ROADWAY PAVEMENT	WITH PCC ROADWAY PAVEMENT
< 10°	PARALLEL TO FACE OF PAVING NOTCH	PARALLEL TO FACE OF PAVING NOTCH
10° - 45°	PARALLEL TO FACE OF P N USE (DETAIL A)	STAGGER LINES 24' TO 36' APART
> 45°	PARALLEL TO FACE OF P N USE (DETAIL A)	STAGGER AT EACH LANE LINE



SECTION A-A
¾" = 1'-0"

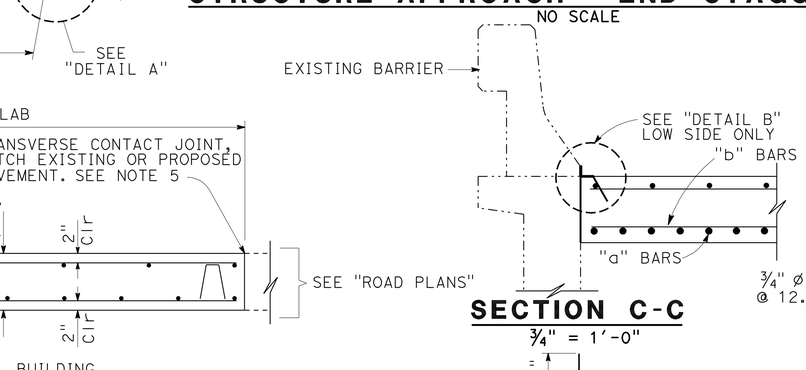


DETAIL A
NO SCALE

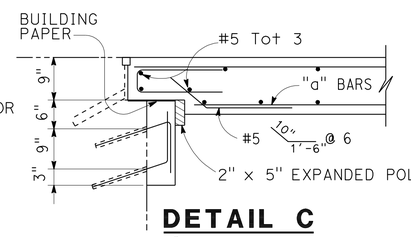


TIE DETAIL
¾" = 1'-0"

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

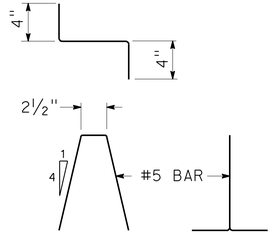


SECTION C-C
¾" = 1'-0"

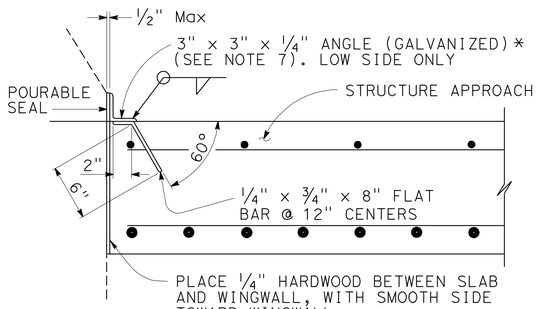


DETAIL C
¾" = 1'-0"

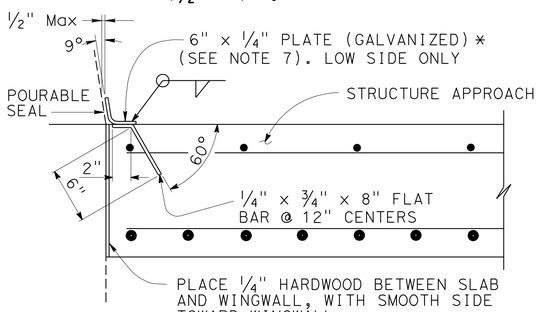
NOTE: FOR DETAILS NOT SHOWN, SEE "SECTION A-A".



BAR CHAIR DETAIL
1½" = 1'-0"

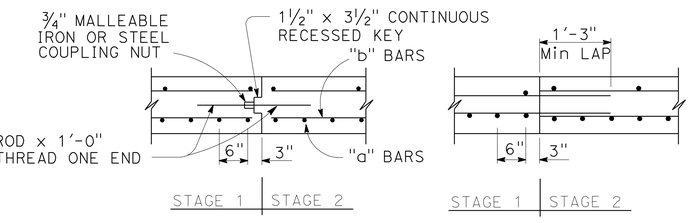


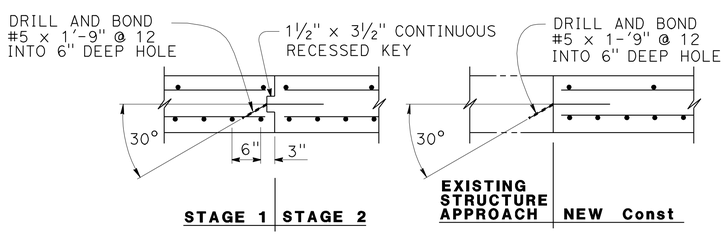
*(TO BE USED WITH TYPE 25 OR TYPE 27 CONCRETE BARRIER)



*(TO BE USED WITH TYPE 732 OR TYPE 736 CONCRETE BARRIER)

DETAIL B
1½" = 1'-0"





LONGITUDINAL CONSTRUCTION JOINT ALTERNATIVES
¾" = 1'-0"

NOTES:

1. FOR DETAILS NOT SHOWN OR NOTED, SEE STRUCTURE PLANS. ADJUST BAR REINFORCEMENT TO CLEAR A SAWCUT FOR SEALED JOINT, WHEN REQUIRED.
2. SPACE TO AVOID EXISTING PRESTRESS ANCHORAGES AND MAIN REINFORCEMENT.
3. LONGITUDINAL CONSTRUCTION JOINTS, WHEN PERMITTED BY THE ENGINEER, SHALL BE LOCATED ON LANE LINES.
4. TRANSVERSE CONTACT JOINT SHALL BE A MINIMUM OF 5'-0" FROM AN EXISTING OR CONSTRUCTED WEAKENED PLANE JOINT.
5. FOR TRANSVERSE CONTACT JOINT WITH NEW PCC PAVING. REFER TO STANDARD PLAN P10.
6. COUPLERS ARE REQUIRED FOR STAGE CONSTRUCTION.
7. END ANGLE OR PLATE AT BEGINNING OF BARRIER TRANSITION, END OF WINGWALL OR END OF STRUCTURE APPROACH AS APPLICABLE.

STANDARD DRAWING

RELEASE DATE	DESIGN	BY	CHECKED	RELEASED BY
3/14/05		M.TRAFFALIS	E.THORKILDSEN	
FILE NO. xs3-140e	DETAILS	R.YEE	E.THORKILDSEN	OFFICE CHIEF
	SUBMITTED	M.HA	DRAWING DATE 8/92	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

BRIDGE NO.	I-80 REHAB
Various	
MILE POST	STRUCTURE APPROACH TYPE R(30D)
Various	

DS OSD 2147A (ENGLISH) (REV. X/XX/XX)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 03
EA 3E0901

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET 10 OF 12

USERNAME => trstrk

03_3e0901-k-sap.dgn

DATE PLOTTED => 13-SEP-2010 TIME PLOTTED => 16:54

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Pla	80	0.3/29.3	55	56

REGISTERED CIVIL ENGINEER — 4/28/2010 DATE

9-13-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — David Grenley — No. 52316 — Exp 12/31/2010 — CIVIL — STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

JOINT SEAL TABLE

BRIDGE NAME AND No.	LOCATION		TYPE OF JOINT SEAL	Min "MR" (IN)	APPROX LENGTH (FT)	SKEW (DEGREE)	EXISTING WATER STOP	DEPTH TO CLEAN (FT)
ROCKLIN Rd UC 19-0094	Abut 1	BB	B	1	155′-0¼"	42°15′07"	YES **	1
	Abut 2	EB	B	1	155′-0¼"	42°15′07"	YES **	1
BOWMAN UC 19-0042	Abut 1	BB	B	1	129′-0"	0	NO	1
	Abut 2	EB	B	1	129′-0"	0	NO	1
BOWMAN OH SOUTH 19-0023	Abut 1	BB	B	1½	177′-2½"	43°25′00"	NO	1
	Abut 4	EB	B	1½	177′-2½"	43°25′00"	NO	1
BOWMAN OH NORTH 19-0024	Abut 1	BB	B	1½	174′-7½"	42°30′15"	NO	1
	Abut 4	EB	B	1½	174′-7½"	42°30′15"	NO	1
WEIMAR OH 19-0038	Abut 1	BB	B	1½	117′-6¼"	43°33′22"	NO	1
	Abut 4	EB	B	1½	126′-0¾"	43°33′22"	NO	1
CIRBY WAY OC 19-0134	Abut 1	BB	B	1	86′-0½"	42°06′11"	NO	1
	Abut 3	EB	B	1	86′-0½"	42°06′11"	NO	1
LEAD HILL 19-0150	Abut 1	BB	B	1	65′-0"	0	NO	1
	Abut 3	EB	B	1	65′-0"	0	NO	1
PENRYN ROAD OC 19-0099	Abut 1	BB	B	1	43′-8"	46°58′55"	NO	1
	Abut 4	EB	B	1	43′-8"	46°58′55"	NO	1
WEIMAR CROSS ROAD OC 19-0083	Abut 1	BB	B	1	29′-0"	21°14′28"	NO	1
	Abut 2	EB	B	1	35′-1¾"	21°14′28"	NO	1

LEGEND:

BB = PAVING NOTCH AT BEGINNING OF BRIDGE
EB = PAVING NOTCH AT END OF BRIDGE
BW = ABUTMENT WITH BACKWALL
** = NO WATERSTOP AT THE 32′-8" (NO-SKEW DIMENSION) MEDIAN WIDENING PORTION

THE FOLLOWING NOTES APPLY TO JOINT SEAL TYPE B:

1) SEAL MUST SATISFY BOTH MINIMUM MOVEMENT RATING (MR) AND MINIMUM W1 REQUIREMENTS.

2) MINIMUM W1 IS THE CALCULATED MAXIMUM WIDTH OF THE JOINT BASED ON FIELD MEASUREMENTS. AFTER THE JOINTS HAVE BEEN CLEANED, MINIMUM W1 IS TO BE RECALCULATED BY THE ENGINEER.

3) W1 SHALL BE THE SMALLER OF THE VALUES DETERMINED AS FOLLOWS:

A) 0.85 TIMES THE MANUFACTURER'S DESIGNED MINIMUM UNCOMPRESSED WIDTH OF THE SEAL.

B) THE WIDTH OF THE SEAL ON THE THIRD SUCCESSIVE TEST CYCLE OF THE PRESSURE DEFLECTION TEST, WHEN COMPRESSED TO AN AVERAGE PRESSURE OF 3 PSI.

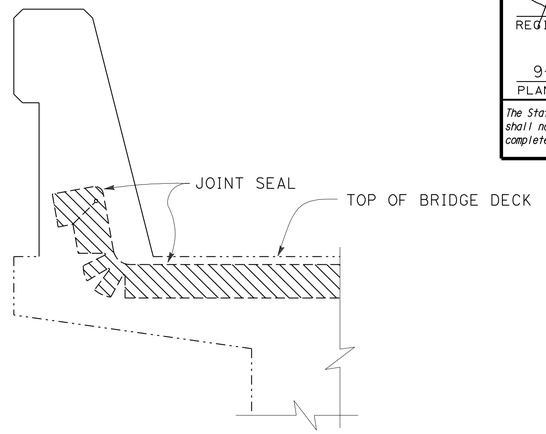
4) BEND TYPE B JOINT SEAL 6" UP INTO CURB OR RAIL ON THE LOW SIDE OF THE DECK WHERE DECK JOINT MATCHES CURB OR RAIL JOINT.

5) FOR DETAILS NOT SHOWN SEE RSP B6-21.

THE FOLLOWING NOTE APPLIES TO JOINT SEAL TYPE A:

INSTALL TYPE A JOINT SEAL 3" UP INTO CURB OR RAIL ON THE LOW SIDE OF THE DECK WHERE JOINT MATCHES CURB OR RAIL JOINT. FOR DETAILS NOT SHOWN SEE RSP B6-21.

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

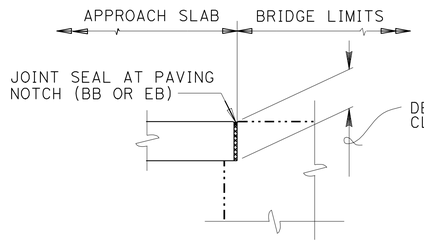


CONCRETE BARRIER

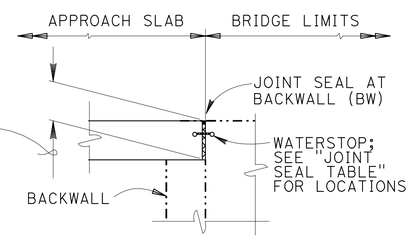
JOINT SEAL AT LOW SIDE OF DECK

NO SCALE

NOTES:
1) DETAILS SHOWN FOR ILLUSTRATION PURPOSES ONLY. FOR USE ONLY WHERE DECK JOINT MATCHES THE SIDEWALK, CURB OR BARRIER RAIL JOINT.
2) NEW BARRIER RAIL TYPE 732R SHOWN, EXISTING BARRIER RAIL TYPE 25 Mod SIMILAR.
3) FOR ADDITIONAL DETAILS, SEE RSP B6-21



DIAPHRAGM ABUTMENT



ABUTMENT WITH BACKWALL

JOINT SEAL LOCATION

NO SCALE

DESIGN	BY David Grenley	CHECKED Dhvani Desai	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
DETAILS	BY Anthony Valdez	CHECKED D. Desai / E. Ortega	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 7
QUANTITIES	BY Buster Hansen	CHECKED Wendy Hou	BRIDGE NO. Various / POST MILE Various

I-80 REHAB

JOINT SEAL DETAILS

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 10/25/05)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 03
EA 3E0901

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 10-15-09 | 10-16-09 | 4-6-10

SHEET 11 OF 12

FILE => 03_3e0901-a-gp-det2.dgn

USERNAME => tfstrk DATE PLOTTED => 13-SEP-2010 TIME PLOTTED => 16:54

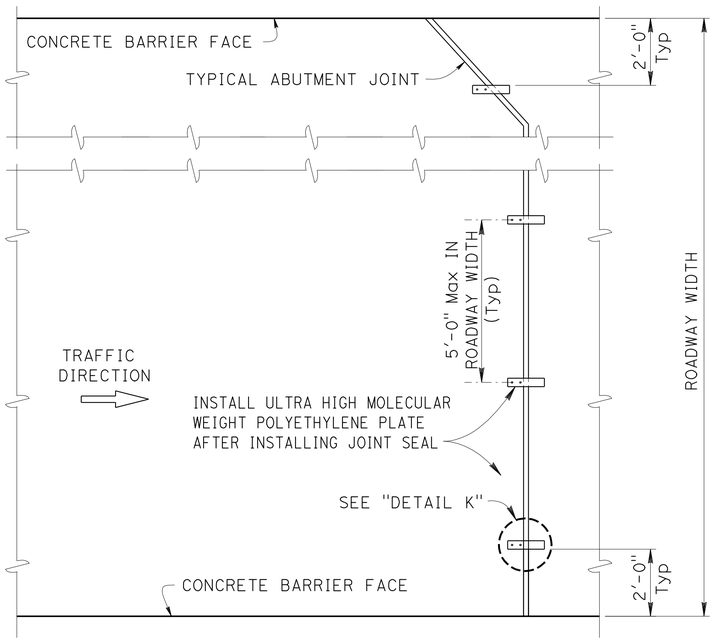
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Pla	80	0.3/29.3	56	56

REGISTERED CIVIL ENGINEER — 4/28/2010 DATE

9-13-10
PLANS APPROVAL DATE

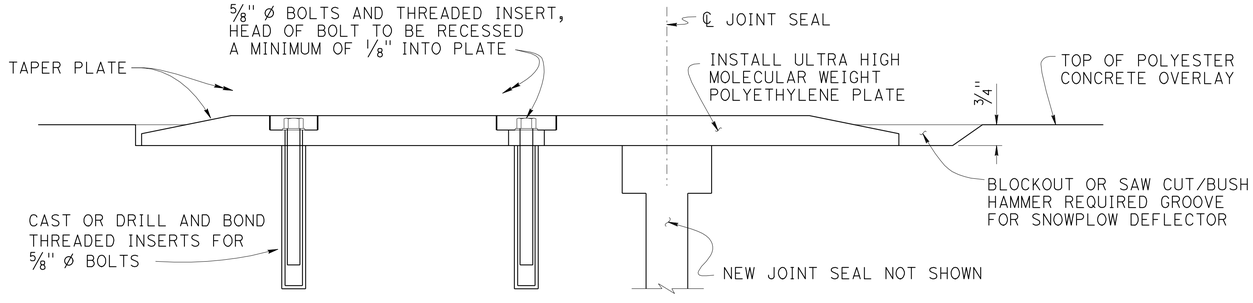
REGISTERED PROFESSIONAL ENGINEER — David Grenley No. 52316 Exp 12/31/2010 CIVIL — STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



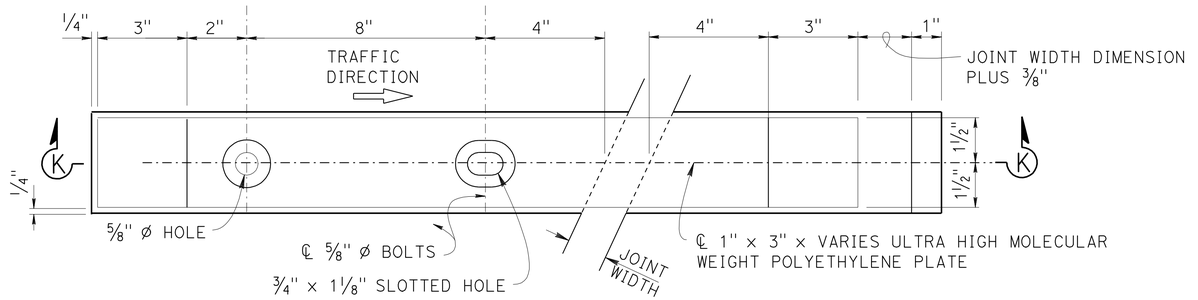
SNOWPLOW DEFLECTOR TYPICAL PLAN

NO SCALE



SECTION K-K

NO SCALE



DETAIL K

NO SCALE

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

	BY	CHECKED
DESIGN	David Grenley	David Soon
DETAILS	Bruno Jenko	David Soon
QUANTITIES	David Soon	David Grenley

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 7

BRIDGE NO. Various
POST MILE Various

I-80 REHAB
SNOWPLOW DEFLECTOR DETAILS

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 10/25/05)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 03
EA 3E0901

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 1-15-10, 4-15-10

SHEET 12 OF 12

FILE => 03_3e0901-k-snwdef-det.dgn

USERNAME => trstrk DATE PLOTTED => 13-SEP-2010 TIME PLOTTED => 16:54