INDEX OF PLANS

SHEET No.	DESCRIPTION
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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

ACSTP-P099(534)E

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But, Sut	99	Var	1	63

PROJECT PLANS FOR CONSTRUCTION ON STATE HIGHWAY

IN BUTTE AND SUTTER COUNTIES AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

LOCATION MAP

BUTTE COUNTY

BEGIN CONSTRUCTION
Sut PM T35.6

Begin Work
PM R34.3

LOCATION 1
Sut PM T35.60/39.40

SUTTER COUNTY

LOCATION 2
Sut PM 40.9/42.4
But PM 0.0/R3.5

END CONSTRUCTION
But PM 8.6

GRIDLEY

LIVE OAK

YUBA COUNTY

To Yuba City

To Chico

End Work
PM 9.7

LOCATION 3
But PM 4.9/8.6

Br No. 12-0002
PM 6.11

Br No. 12-0003
PM 8.21

Br No. 12-0001
PM 5.34

Br No. 12-0102
PM 0.01

PM 9.21

Sut PM 42.389 =
But PM 0.0

Sut PM T36.155 =
Sut PM 36.286

LOMO RR CROSSING
PM T36.031

ROUTE 99
UNION PACIFIC RR
LARKIN Rd
WILLISTON Rd
ONSTOTT FRONTAGE Rd
LIVE OAK Blvd
KENT Ave
EAGER Rd OC
EAGER Rd
ENCINAL Rd
CLARK Rd
CUTTING Ave
MCDONALD Ave
PASEO Ave
BISHOP Ave
COLEMAN Ave
ASH St
LARKIN Rd SOUTH
ARCHER Ave
PENNINGTON Rd
ADELINE Ave
RAMSELL Dr
NEVADA St
RIVIERA Rd
SUTTER COUNTY
BUTTE COUNTY
Sutter Butte Canal
Live Oak Slough
Butte Canal
Feather River
Feather River
TOWNSHIP Rd
W. LIBERTY Rd
TURNER Ave
EVANS REIMER Rd
WRIGHT Ave
NIELSON Rd
HOLLIS Ln
SHELDON Ave
OBERMEYER Dr
ARCHER Ave
CHERRY St
E. GRIDLEY Rd
MAGNOLIA St
SYCAMORE St
HAZEL St
SPRUCE St
FORD Ave
CHICO SAN Dr
DENIZ BROTHER Ln
ORD RANCH Rd
CHINAMAN Dr
Cat Tail Slough
Drainage Ditch
PRYDE Ave
SOUTH Ave
HASTINGS Ave
DRAKE Ave
CHATFIELD Ave
PERRY Ave
DAKOTA Ave
BIGGS EAST Hwy
B St
Hamilton Slough
W RIO BONITO Rd
FRAN PHIL Dr
Biggs Ext Canal
Line Canal

NO SCALE

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

Salahuddin Chowdhury 4-23-10
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER
SALAHUDDIN CHOWDHURY
No. 75140
Exp. 12-31-11
CIVIL
STATE OF CALIFORNIA

April 26, 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.

PROJECT MANAGER: MIKE BARTLETT
DESIGN ENGINEER: FERMIN BARRIGA

LAST REVISION: DATE PLOTTED => 03-JUN-2010 TIME PLOTTED => 13:01 04/05/10

CONTRACT No. 03-1F3704

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	2	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — STATE OF CALIFORNIA

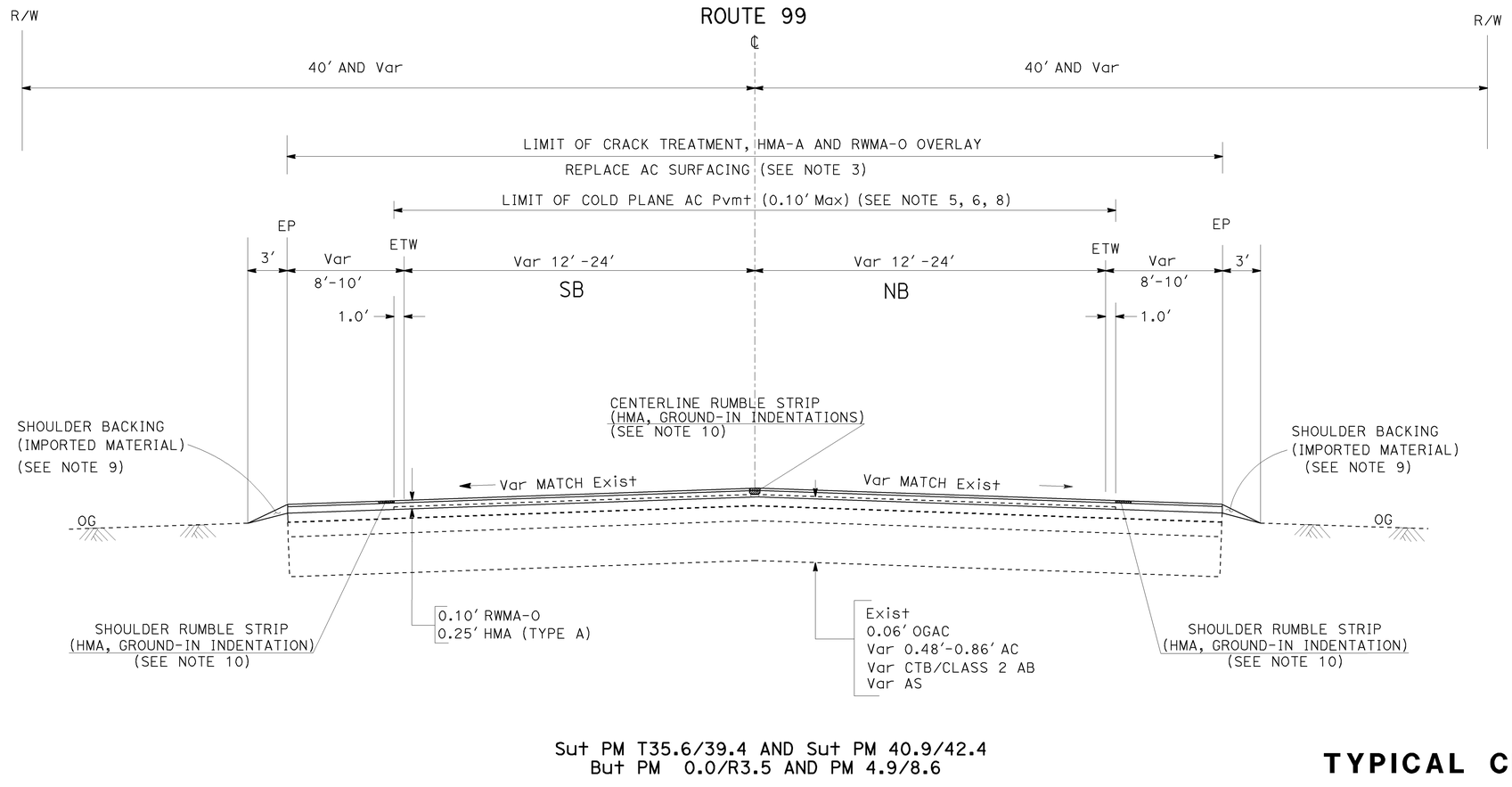
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

ABBREVIATIONS

RWMA-O	RUBBERIZED WARM MIX ASPHALT (OPEN GRADED)
HMA-A	HOT MIX ASPHALT (TYPE A)

NOTES:

1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. THE CONTRACTOR SHALL VARY THE WIDTH OF THE PAVING OPERATIONS AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. LOCATIONS OF "REPLACE AC SURFACING" WILL BE AS DIRECTED BY THE ENGINEER.
4. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
5. COLD PLANE AC Pvmt (0.25' Max) WILL BE DONE ON Br DECK BEFORE HMA OVERLAY AT Br No. 12-0102 (But PM 0.01), Br No. 12-0001 (But PM 5.34), Br No. 12-0003 (But PM 8.21).
6. CONFORM WITH Br APPROACHES WHERE NO HMA ON Br DECK (Br No. 12-0002) AT But PM 6.11. SEE CONSTRUCTION DETAILS (C-2).
7. FOR MBGR WORK, SEE CONSTRUCTION DETAILS AND ROADWAY QUANTITIES (SHEET Q-2).
8. SEE CONSTRUCTION DETAILS FOR COLD PLANE AND PAVING CONFORM DETAIL AT LOMO RR CROSSING CONCRETE PAD (Sut PM T36.031), CROSS ROADS AND START/END PAVEMENT.
9. SHOULDER BACKING (IMPORTED MATERIAL) WILL BE PLACED TO THE TOP OF THE RWMA-O LAYER.
10. SEE CONSTRUCTION DETAILS (C-4,C-5) FOR CENTERLINE RUMBLE STRIP (HMA, GROUND-IN IDENTATIONS) AND Std PLAN A40B FOR Shld RUMBLE STRIP (HMA, GROUND-IN INDENTATIONS) DETAILS.



Sut PM T35.6/39.4 AND Sut PM 40.9/42.4
But PM 0.0/R3.5 AND PM 4.9/8.6

TYPICAL CROSS SECTIONS

NO SCALE

X-1

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY: SALAHUDDIN CHOWDHURY
CHECKED BY: FERMIN BARRIGA
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION | DATE PLOTTED => 27-APR-2010
04-14-10 | TIME PLOTTED => 10:55

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s128033
DGN FILE => 31f370ca001.dgn

CU 03224

EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	3	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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

NOTES:

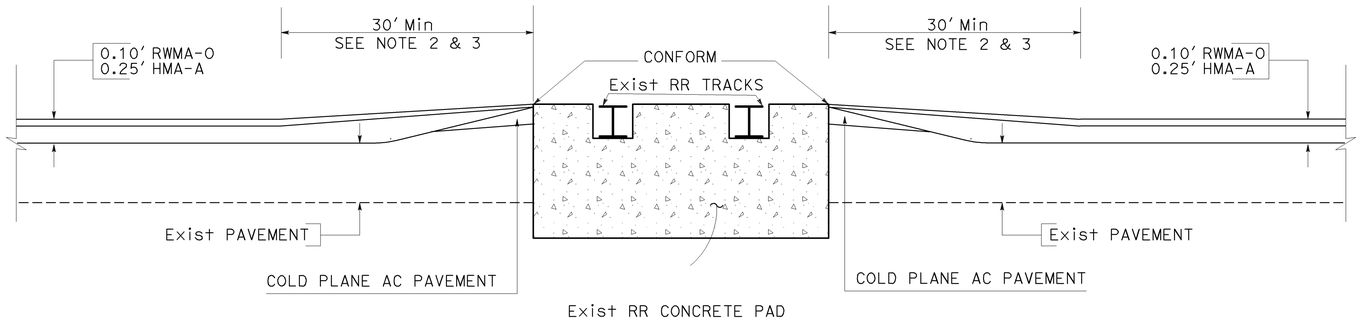
1. SEE TYPICAL CROSS SECTIONS (SHEET X-1) FOR MORE INFORMATION.
2. EXACT LOCATIONS AND EXACT LENGTHS SHALL BE DETERMINED BY THE ENGINEER.
3. COLD PLANE AND HMA-A THICKNESS (Min 0.25') WILL VARY FOR SMOOTH TRANSITION AND CONFORM WITH EXISTING RR CONCRETE PAD.
4. SEE Std PLAN A40B FOR SHOULDER RUMBLE STRIP (HMA, GROUND-IN-INDENTATIONS) DETAILS.
5. EXACT CONFORM LOCATION (BEGIN CONSTRUCTION) WILL BE DETERMINED BY THE ENGINEER.

LEGEND

COLD PLANE AC PAVEMENT

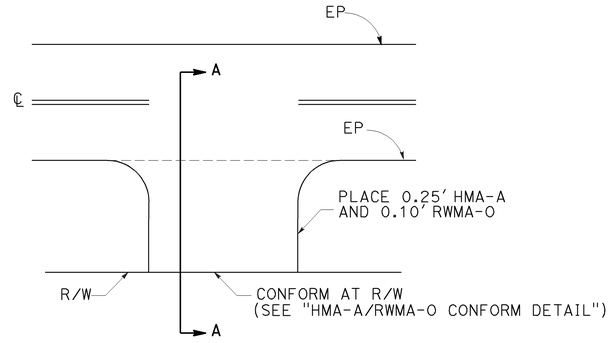
ABBREVIATION

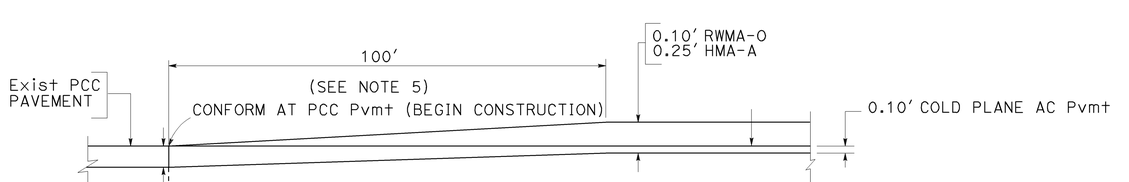
RWMA-O RUBBERIZED WARM MIX ASPHALT (OPEN GRADED)
HMA-A HOT MIX ASPHALT (TYPE A)



CONFORM AT LOMO RR CROSSING CONCRETE PAD

LOCATION 1: PM T36.03-T36.16





COLD PLANE AC PAVEMENT PAVING TRANSITIONS

LOCATION 1: PM T35.66 (1794' FROM PM 36.0 SIGN)

SECTION A-A

HMA-A/RWMA-O CONFORM DETAIL

RWMA-O OVER HMA-A OVERLAY

SEE NOTE 1 & 3

PRIVATE & LOCAL ROADS
PRIVATE AC DRIVEWAYS

CONSTRUCTION DETAILS

NO SCALE **C-1**

REVISED BY | DATE REVISED
SALAHUDDIN CHOWDHURY | FERMIN BARRIGA
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

LAST REVISION 04-14-10 | DATE PLOTTED => 27-APR-2010 | TIME PLOTTED => 10:55

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s128033 | DGN FILE => 31f370ga001.dgn | CU 03224 | EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	4	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — STATE OF CALIFORNIA

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

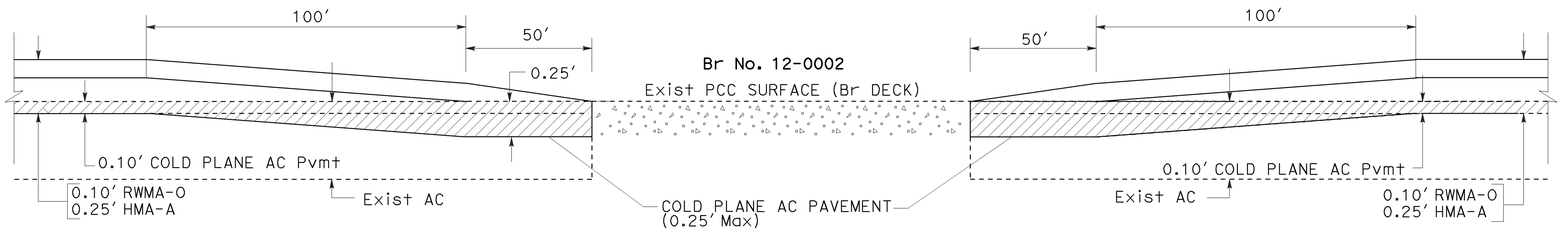
NOTES:

1. CONFORM LOCATION PM IS ROUNDED UP. EXACT LOCATION WILL BE DETERMINED BY THE ENGINEER.
2. END CONSTRUCTION (END OF LOCATION 3) WILL BE 408' NORTH FROM CENTERLINE OF RIO BONITO ROAD.
3. LOCATION OF REPLACE AC SURFACING TO REPAIR SEVERE FAILURE WILL BE DETERMINED BY THE ENGINEER.

LEGEND:

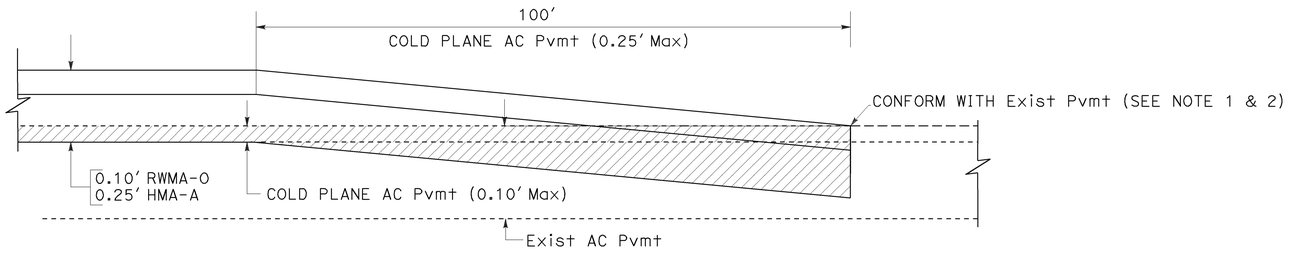
COLD PLANE AC PAVEMENT

REPLACE AC SURFACING



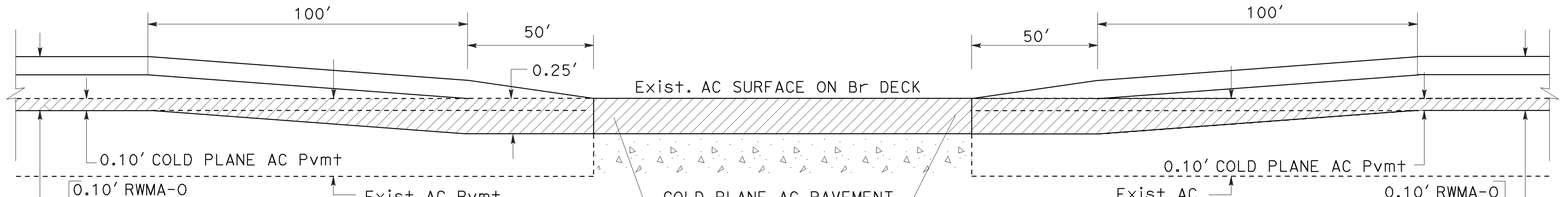
AC PAVEMENT TRANSITION AT STRUCTURE APPROACH

DRAINAGE DITCH (But PM 6.11)
Br No. 12-0002



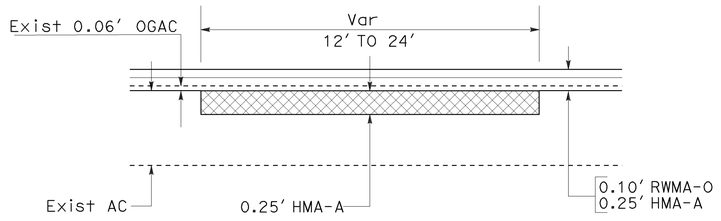
CONFORM DETAIL

Sut PM 39.4 (END OF LOCATION 1)
Sut PM 40.9 (START OF LOCATION 2)
But PM R3.50 (END OF LOCATION 2)
But PM 4.90 (START OF LOCATION 3)
But PM 8.60 (END OF CONSTRUCTION)

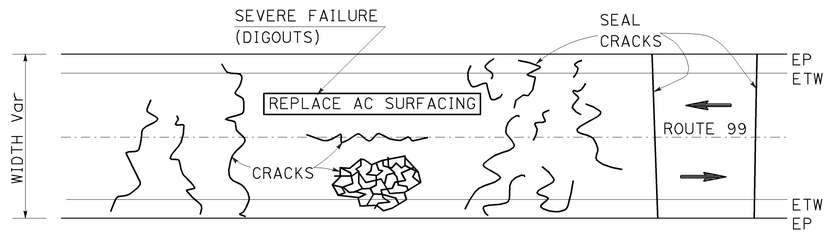


NO RWMA-O ON Br DECK (0.25' HMA-A ONLY)

LINE CANAL- Br No. 12 0102 (But PM 0.01)
CAT TAIL SLOUGH- Br No. 12 0001 (But PM 5.34)
HAMILTON SLOUGH- Br No. 12 0003 (But PM 8.21)



REPLACE AC SURFACING



CRACK TREATMENT
REPLACE AC SURFACING

PLAN

CONSTRUCTION DETAILS

NO SCALE **C-2**

LAST REVISION: DATE PLOTTED => 27-APR-2010
04-14-10 TIME PLOTTED => 10:55

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
CALCULATED-DESIGNED BY: SALAHUDDIN CHOWDHURY
CHECKED BY: FERMIN BARRIGA
DATE REVISED
REVISED BY

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s128033
DGN FILE => 31f370ga002.dgn

CU 03224

EA 1F3701

NOTES:

1. REPLACE AC SURFACING LIMITS FOR BIGGS EAST Hwy INTERSECTION ONLY TO MAINTAIN VERTICAL CLEARANCE OF TRAFFIC SIGNAL.
2. EXACT DIMENSIONS TO BE DETERMINED BY THE ENGINEER.

LEGEND:

COLD PLANE AC PAVEMENT

REPLACE AC SURFACING

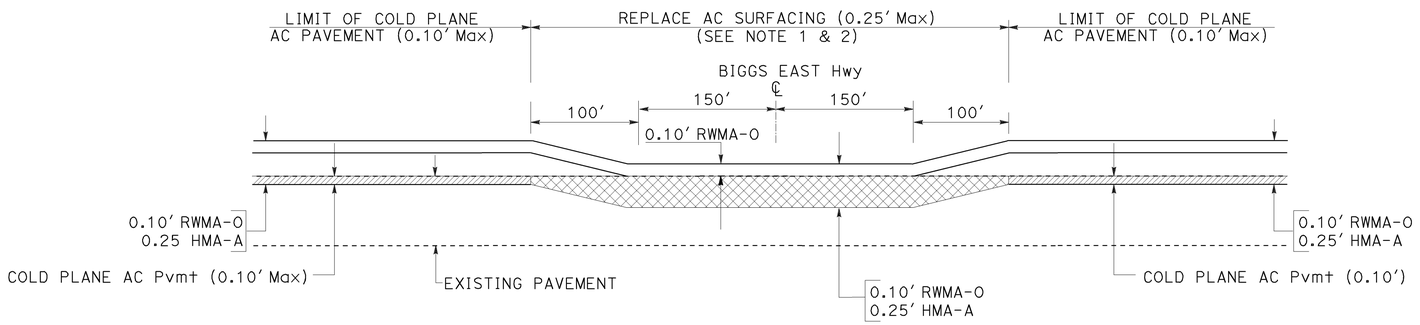
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	5	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

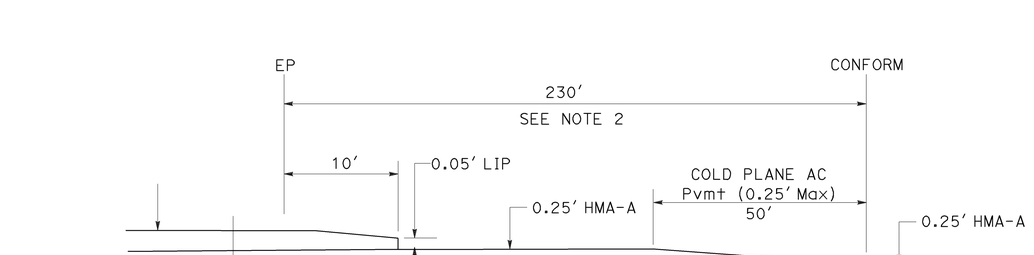
4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SALAHUDDIN CHOWDHURY
No. 75140
Exp. 12-31-11
CIVIL
STATE OF CALIFORNIA

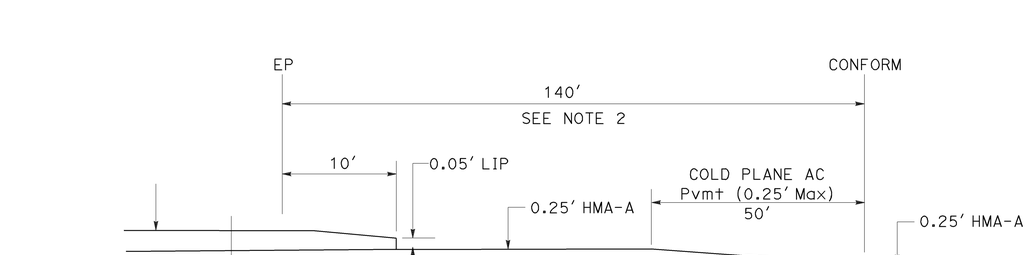
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



REPLACE AC SURFACING AT ROUTE 99/BIGGS EAST Hwy INTERSECTION
LOCATION 3: But PM 7.69



HMA-A PAVING AND CONFORM AT LIVE OAK Blvd
LOCATION 1: Sut PM T35.96



HMA-A PAVING AND CONFORM AT ENCINAL Rd
LOCATION 1: Sut PM T35.96

CONSTRUCTION DETAILS
NO SCALE **C-3**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
CALCULATED-DESIGNED BY: SALAHUDDIN CHOWDHURY
CHECKED BY: FERMIN BARRIGA
REVISED BY
DATE REVISED

LAST REVISION 04-14-10
DATE PLOTTED => 27-APR-2010
TIME PLOTTED => 10:55

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s128033
DGN FILE => 31f370ga003.dgn
CU 03224
EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	6	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

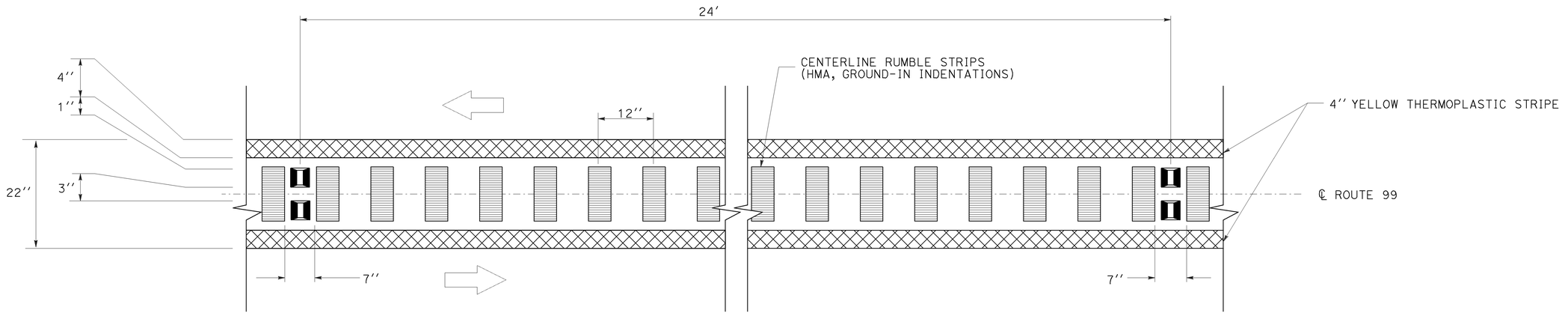
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE:

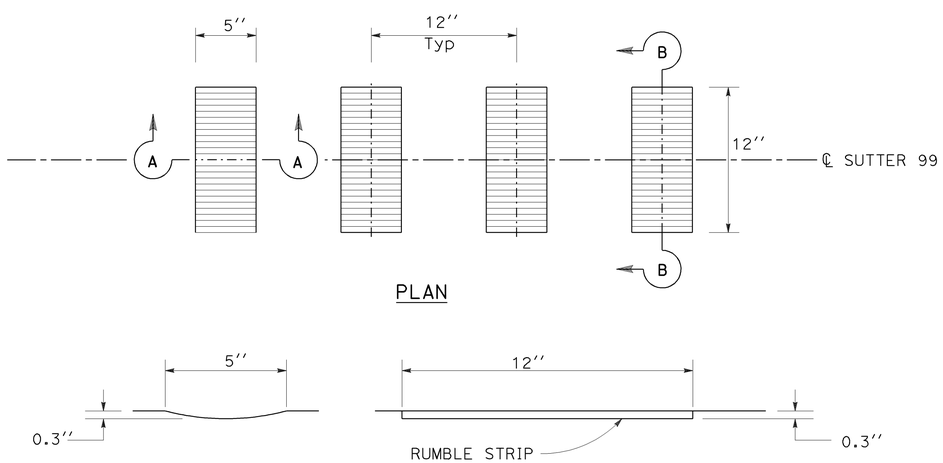
1. CENTERLINE RUMBLE STRIP MUST BE CONSTRUCTED PRIOR TO INSTALLING FINAL TRAFFIC STRIPES.

LEGEND

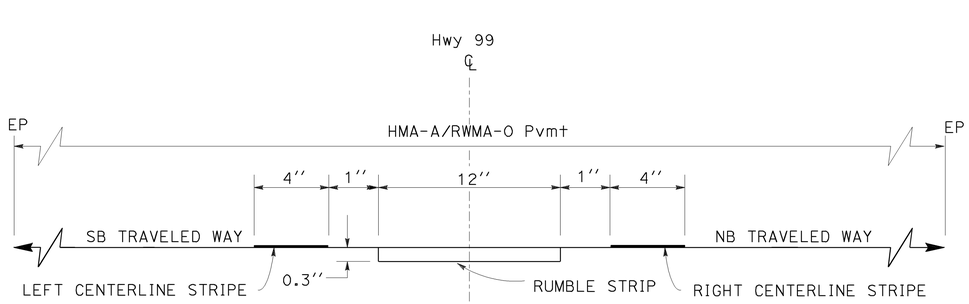
TYPE D TWO-WAY YELLOW RETROREFLECTIVE, PAVEMENT MARKER



DETAIL 22M FOR Sut- 99 (CENTERLINE)



RUMBLE STRIP DETAILS GROUND-IN INDENTATIONS (CENTERLINE)



DETAIL 22M PLACEMENT (CENTERLINE)

CONSTRUCTION DETAILS

NO SCALE **C-4**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
CALCULATED-DESIGNED BY
CHECKED BY
SALAHUDDIN CHOWDHURY
FERMIN BARRIGA
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 27-APR-2010
TIME PLOTTED => 10:55
04-14-10

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s128033
DGN FILE => 31f370ga004.dgn
CU 03224
EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	7	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — STATE OF CALIFORNIA

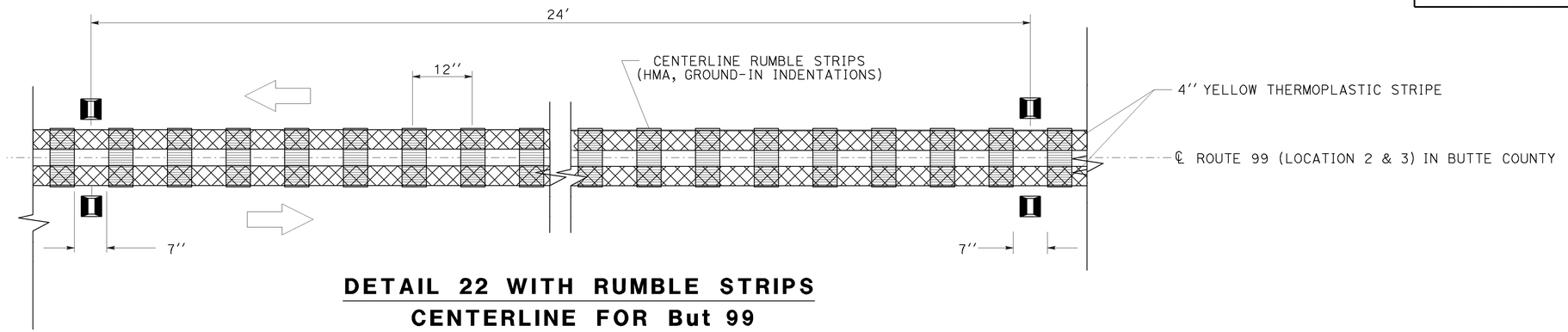
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

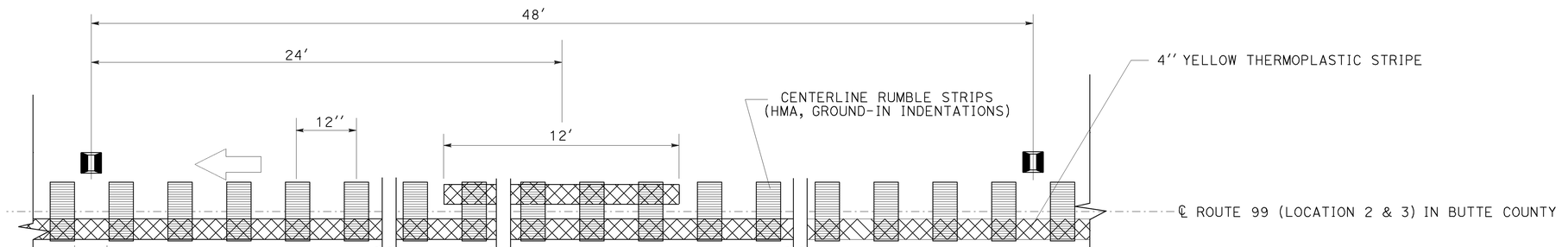
1. SEE SHEET C-6 FOR INTERSECTION DETAILS.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
3. CENTERLINE RUMBLE STRIP MUST BE CONSTRUCTED PRIOR TO INSTALLING FINAL TRAFFIC STRIPES.
4. FOR CENTERLINE RUMBLE STRIP (HMA, GROUND-IN INDENTATIONS) DETAILS, SEE SHEET C-4.

LEGEND

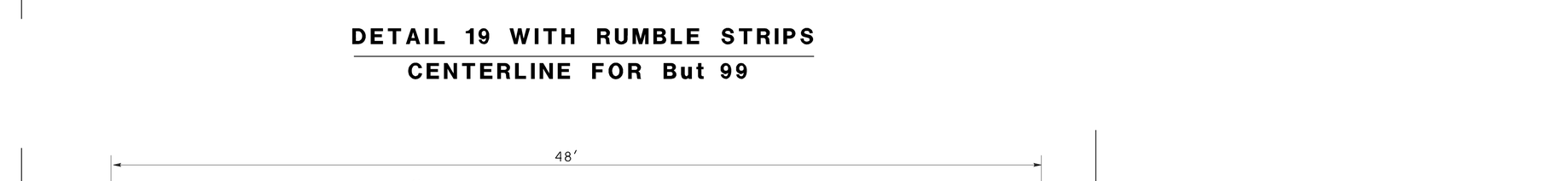
- DIRECTION OF TRAVEL
- TYPE D TWO-WAY YELLOW RETROREFLECTIVE, PAVEMENT MARKER
- TYPE H ONE-WAY YELLOW RETROREFLECTIVE, PAVEMENT MARKER



DETAIL 22 WITH RUMBLE STRIPS
CENTERLINE FOR But 99



DETAIL 19 WITH RUMBLE STRIPS
CENTERLINE FOR But 99



DETAIL 6 WITH RUMBLE STRIPS
CENTERLINE FOR But 99

CONSTRUCTION DETAILS

NO SCALE **C-5**

REVISED BY | DATE REVISED
SALAHUDDIN CHOWDHURY | FERMIN BARRIGA
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION | DATE PLOTTED => 27-APR-2010
04-14-10 | TIME PLOTTED => 10:55

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s128033 | DGN FILE => 31f370ga005.dgn | CU 03224 | EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	8	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

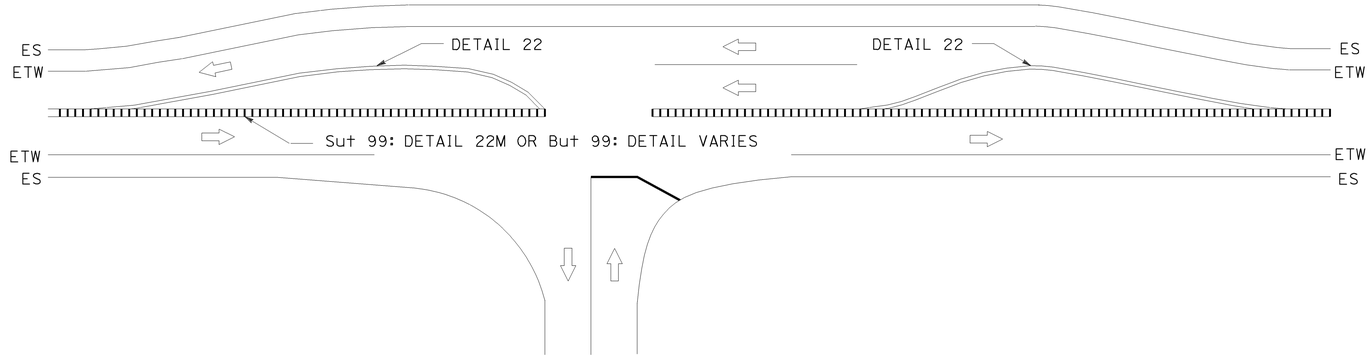
4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SALAHUDDIN CHOWDHURY
No. 75140
Exp. 12-31-11
CIVIL
STATE OF CALIFORNIA

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

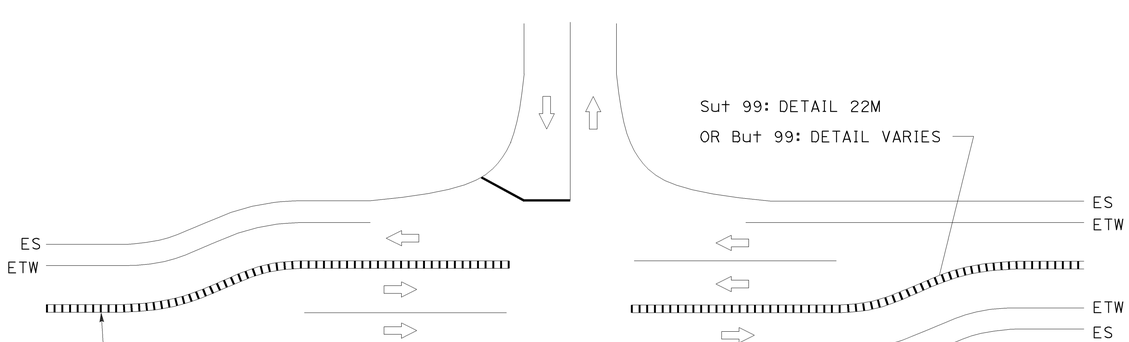
NOTES:

1. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
2. ALL LOCATIONS LISTED ON THIS PLAN SHEET FOR Sut 99 WILL USE A CENTERLINE RUMBLE STRIP BASED ON DETAIL 22M, SHOWN ON SHEET C-4.
3. ALL LOCATIONS LISTED ON THIS PLAN SHEET FOR But 99 WILL USE ONE OF THREE CENTERLINE DETAILS SHOWN ON SHEET C-5.
4. CENTERLINE RUMBLE STRIP MUST BE CONSTRUCTED PRIOR TO INSTALLING FINAL TRAFFIC STRIPES.



CENTERLINE RUMBLE STRIPS AT GRADE INTERSECTION WITH TURN POCKET:

Sut 99 (PM 36.32, 37.87, 38.13, 39.05, 39.32)
But 99 (PM 1.29, 2.34, 2.60, 2.79, R03.13, 5.14, 6.15, 6.26, 6.53, 6.64, 6.88, 7.27)



CENTERLINE RUMBLE STRIPS AT GRADE INTERSECTION WITH DUAL TURN POCKETS:

Sut 99 (PM 35.96, 37.17, 38.40, 42.14)
But 99 (PM 2.09, 7.69, 8.39)

CONSTRUCTION DETAILS

NO SCALE **C-6**

CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY
DATE REVISED
SALAHUDDIN CHOWDHURY
FERMIN BARRIGA
FUNCTIONAL SUPERVISOR
FERMIN BARRIGA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION 04-06-10
DATE PLOTTED => 27-APR-2010
TIME PLOTTED => 10:55

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s128033
DGN FILE => 31f370ga006.dgn
CU 03224
EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	9	63

Fermin Barriga B. 4-23-10
REGISTERED CIVIL ENGINEER DATE

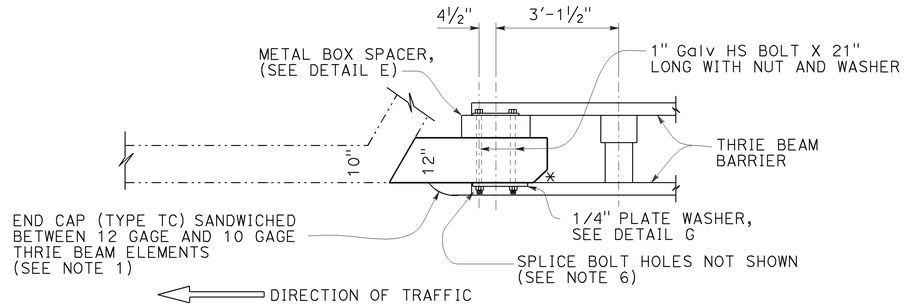
4-26-10
PLANS APPROVAL DATE

F. BARRIGA No. 47047 Exp. 12/31/11 CIVIL
REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

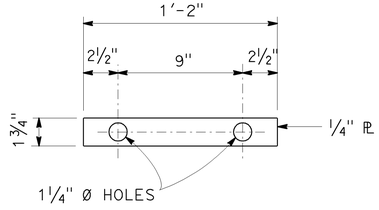
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

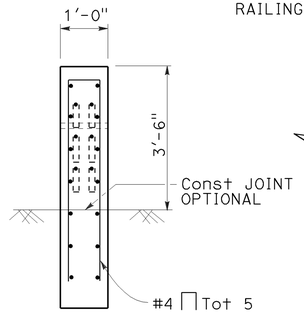
1. FOR ADDITIONAL MBGR CONNECTION DETAILS NOT SHOWN, SEE STANDARD PLANS DATED MAY 2006.
2. DEPENDENT DIMENSIONS WILL BE VERIFIED IN THE FIELD BEFORE FABRICATING ANY END CONNECTION TO CONFORM WITH EXISTING PAVED CONDITIONS.
3. WHEN END SECTION IS CALLED FOR, MODIFY TYPICAL TERMINAL SECTION TO FIT.
4. ALL PLATES AND BOLTS ARE GALVANIZED.
5. CUT AND REMOVE PORTION OF TYPE 1, 2 AND BAGR AS REQUIRED.
6. EXTERIOR SPLICE BOLT HOLES SHALL BE THE STANDARD 29/32" X 1 1/8" SLOT SIZE FOR RAIL SPLICES AT POST NO. T4 AND THE CONNECTION TO THE CONCRETE BARRIER OR RAILING. INTERIOR SPLICE BOLT HOLES MAY BE INCREASED UP TO 1 1/4" Ø. WASHERS SHALL BE USED WITH SPLICE BOLTS ON BACK SIDE OF RAIL ELEMENT AT POST NO. T4 AND CONNECTION TO THE CONCRETE BARRIER OR RAILING.
7. TAPER THE TOP OF THE END OF THE BRIDGE RAILING AT 4:1 TO MATCH THE TOP ELEVATION OF THE THRIE BEAM RAIL ELEMENT.
8. BRIDGE RAIL ANCHOR BLOCKS SHALL BE SHIELDED FROM TRAFFIC UNTIL FINAL MBGR CONNECTION OCCURS.



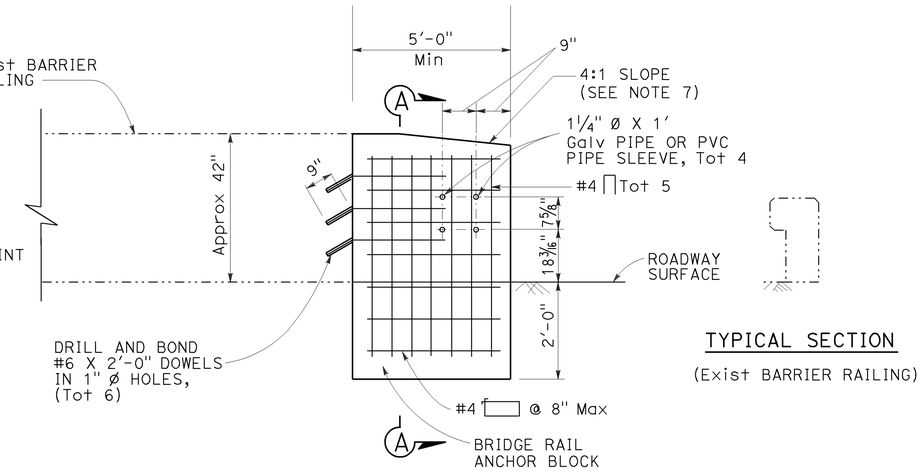
PLAN



DETAIL G



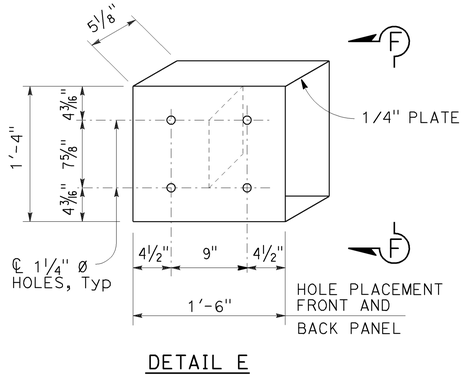
SECTION A-A



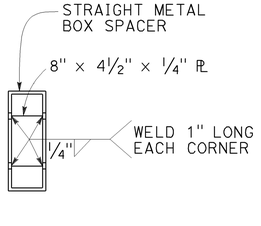
ELEVATION

TYPICAL SECTION

(Exist BARRIER RAILING)



DETAIL E



VIEW F-F

THRIE BEAM CONNECTION DETAILS: MINOR CONCRETE (MINOR STRUCTURE)

Br No. 12-0102 LINE CANAL, BUTTE PM 0.01

THRIE BEAM CONNECTION DETAILS BARRIER RAILING CONSTRUCTION DETAILS

NO SCALE

C-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans®
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
CALCULATED-DESIGNED BY: TILLAT SATTER
CHECKED BY: F. BARRIGA
REVISED BY
DATE REVISED

LAST REVISION: DATE PLOTTED => 27-APR-2010
04-14-10 TIME PLOTTED => 10:55

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s128033
DGN FILE => 31f370ga007.dgn
CU 03224
EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	10	63

Fermin Barriga 4-23-10
REGISTERED CIVIL ENGINEER DATE

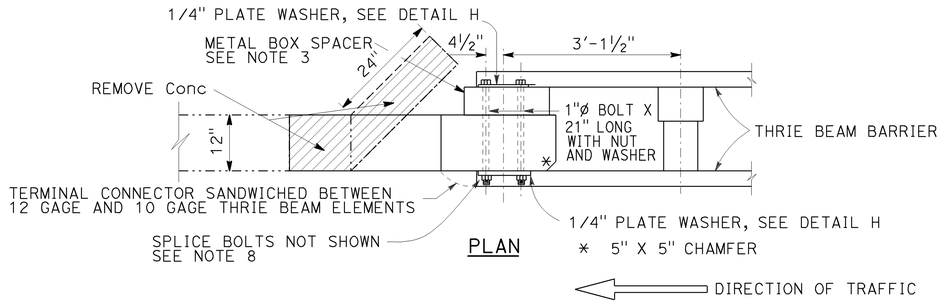
4-26-10
PLANS APPROVAL DATE

F. BARRIGA No. 47047 Exp. 12/31/11 CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

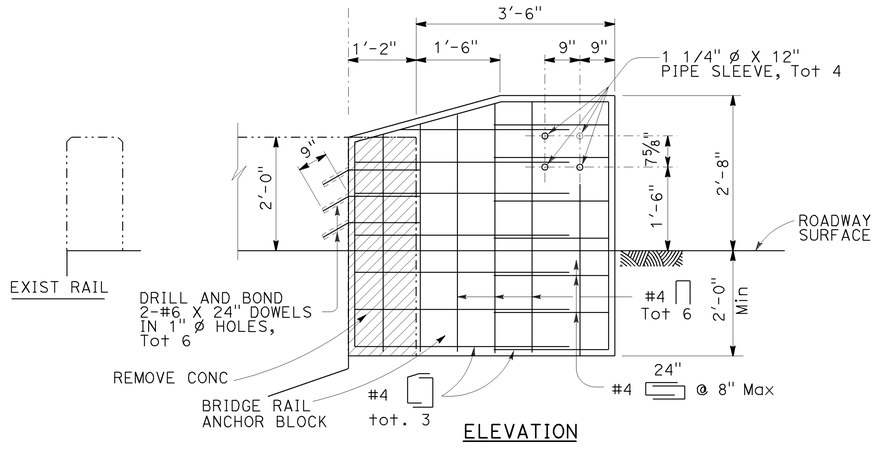
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. FOR ADDITIONAL MBGR CONNECTION DETAILS NOT SHOWN, SEE STANDARD PLANS.
2. DEPENDENT DIMENSIONS WILL BE VERIFIED IN THE FIELD BEFORE FABRICATING ANY END CONNECTION TO CONFORM WITH EXISTING PAVED CONDITIONS.
3. WHEN END SECTION IS CALLED FOR, MODIFY TYPICAL TERMINAL SECTION TO FIT. SEE DETAIL E ON THIS SHEET.
4. FOR THRIE BEAM CONNECTION, SEE STANDARD PLANS "THRIE BEAM BARRIER CONNECTIONS TO BRIDGE RAILING."
5. ALL PLATES AND BOLTS ARE GALVANIZED.
6. CUT AND REMOVE CONCRETE FROM BRIDGE RAILING AS SHOWN IN HATCHED AREAS.
7. EXTERIOR SPLICE BOLT HOLES SHALL BE THE STANDARD 7/8" X 1 1/8" SLOT SIZE FOR RAIL SPLICES AT POST # T4 AND THE CONNECTION TO THE CONCRETE BARRIER OR RAILING. INTERIOR SPLICE BOLT HOLES MAY BE INCREASED UP TO 1 1/8" DIA. WASHERS SHALL BE USED WITH SPLICE BOLTS ON BACK SIDE OF RAIL ELEMENT AT POST # T4 AND CONNECTION TO THE CONCRETE BARRIER OR RAILING.
8. TAPER THE TOP OF THE END OF THE BRIDGE RAILING AT 4:1 TO MATCH THE TOP ELEVATION OF THE THRIE BEAM RAIL ELEMENT.
9. BRIDGE RAIL ANCHOR BLOCKS SHALL BE SHIELDED FROM TRAFFIC UNTIL FINAL MBGR CONNECTION OCCURS.

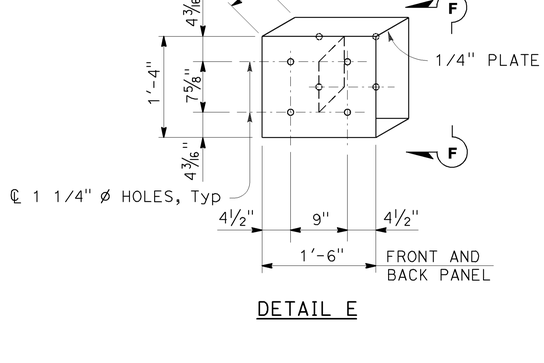


PLAN

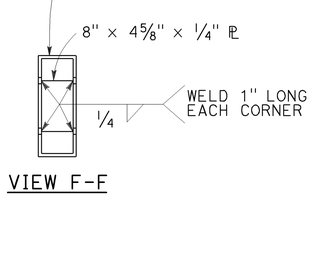


ELEVATION

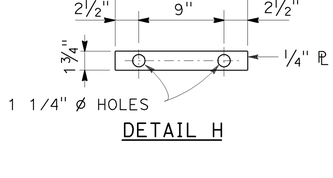
EXISTING BARRIER RAILING



DETAIL E



VIEW F-F



DETAIL H

THRIE BEAM CONNECTION DETAILS: MINOR CONCRETE (MINOR STRUCTURE)

Br No. 12-0001 CAT TAIL SLOUGH, BUTTE PM 5.34

THRIE BEAM CONNECTION DETAILS BARRIER RAILING

CONSTRUCTION DETAILS

NO SCALE

C-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
CALCULATED-DESIGNED BY: TILLAT SATTER
CHECKED BY: F. BARRIGA
REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED => 27-APR-2010
04-14-10 | TIME PLOTTED => 10:55

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s128033
DGN FILE => 31f370ga008.dgn
CU 03224
EA 1F3701

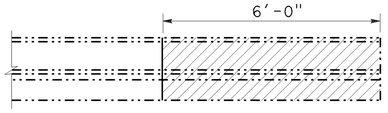
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	11	63

Fermin Barriga 4-23-10
REGISTERED CIVIL ENGINEER DATE

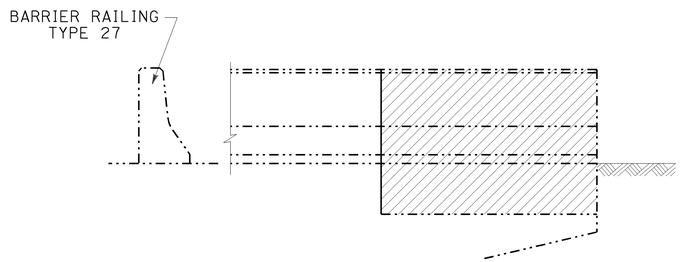
4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — F. BARRIGA No. 47047 Exp. 12/31/11 CIVIL — STATE OF CALIFORNIA

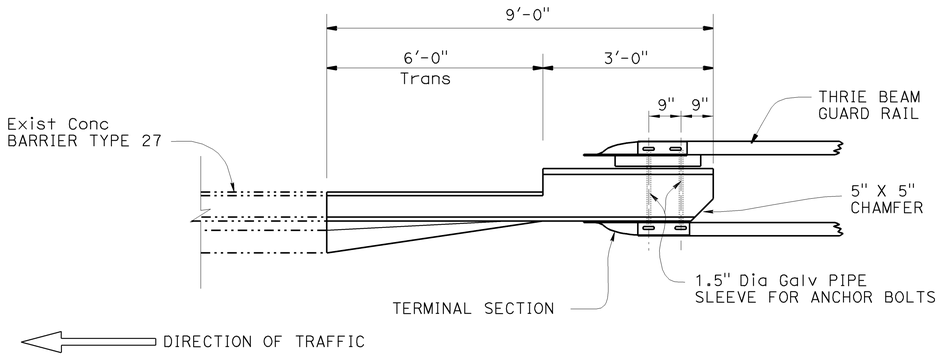
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



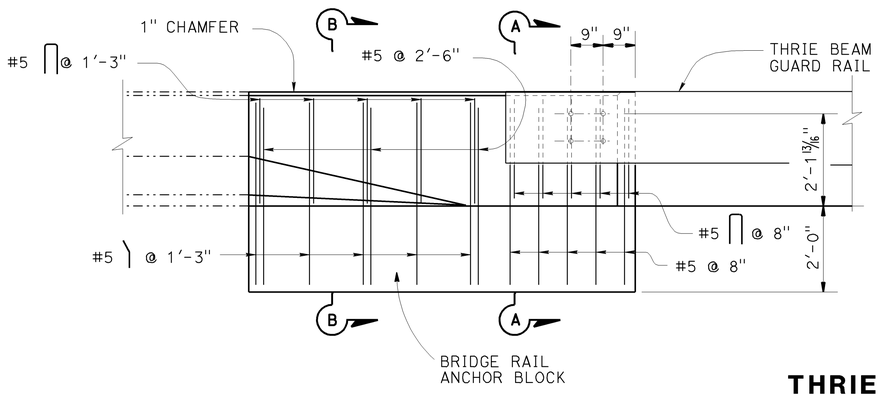
PLAN



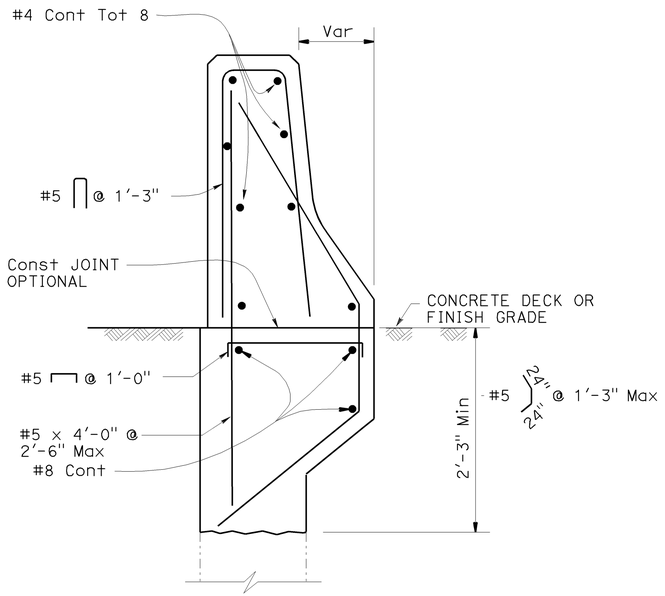
ELEVATION



PLAN



ELEVATION



SECTION B-B
NO SCALE

SECTION A-A
NO SCALE

LEGEND:

- Exist STRUCTURE
- NEW CONSTRUCTION
- CONCRETE REMOVAL

NOTES:

1. FOR DETAILS NOT SHOWN, SEE STANDARD PLANS.
2. DEPENDENT DIMENSIONS WILL BE VERIFIED IN THE FIELD BEFORE FABRICATING ANY END CONNECTION TO CONFORM WITH EXISTING CONDITIONS.
3. FOR THRIE BEAM CONNECTION, SEE STANDARD PLANS "THRIE BEAM BARRIER CONNECTIONS TO BRIDGE RAILING."
4. ALL PLATES AND BOLTS ARE GALVANIZED.
5. BRIDGE RAIL ANCHOR BLOCKS SHALL BE SHIELDED FROM TRAFFIC UNTIL FINAL MBGR CONNECTION OCCURS.

THRIE BEAM CONNECTION DETAILS: MINOR CONCRETE (MINOR STRUCTURE)

Br No. 12-0002 DRAINAGE DITCH, BUTTE PM 6.11
Br No. 12-0003 HAMILTON SLOUGH, BUTTE PM 8.21

THRIE BEAM CONNECTION DETAILS BARRIER RAILING TYPE 27

CONSTRUCTION DETAILS

NO SCALE

C-9

CALCULATED-DESIGNED BY: TILLAT SATTER
CHECKED BY: F. BARRIGA
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

LAST REVISION: DATE PLOTTED => 27-APR-2010
04-14-10 TIME PLOTTED => 10:55

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s128033
DGN FILE => 31f370ga009.dgn
CU 03224
EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	12	63

Fermin Barriga B. 4-23-10
REGISTERED CIVIL ENGINEER DATE

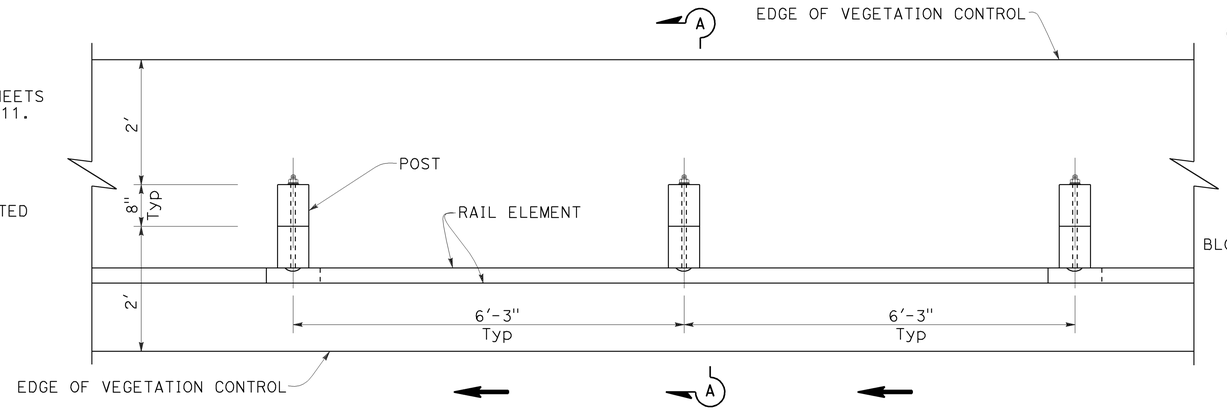
4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — F. BARRIGA No. 47047 Exp. 12/31/11 CIVIL — STATE OF CALIFORNIA

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

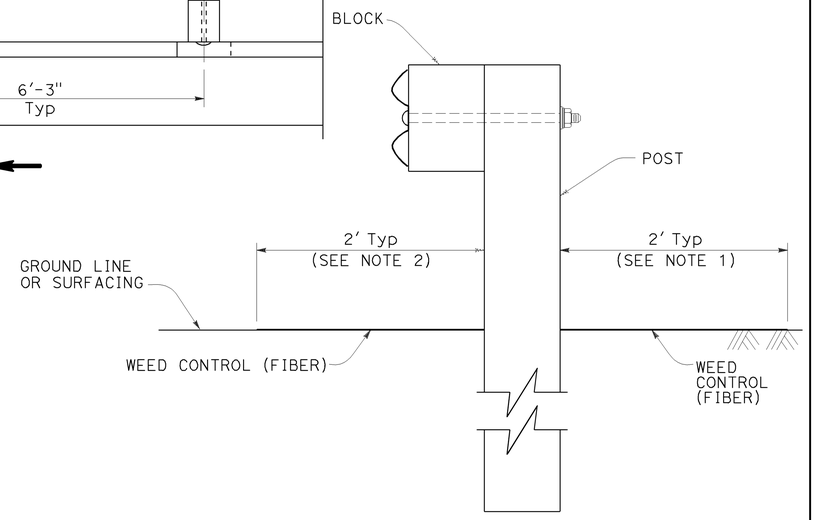
NOTES:

1. FOR LOCATIONS OF WEED CONTROL MAT SEE SUMMARY OF QUANTITIES SHEETS AND WEED CONTROL LAYOUT CONSTRUCTION DETAILS THIS SHEET AND C-11.
2. WHERE THE DISTANCE BETWEEN BACK OF POST AND HINGE POINT IS LESS THAN 24", VEGETATION CONTROL TO BE CONSTRUCTED FLUSH WITH THE BACK EDGE OF THE POST.
3. WHERE DIKE IS CONSTRUCTED UNDER RAILING, PLACE VEGETATION CONTROL TO BACK EDGE OF DIKE. WHERE PAVED SHOULDER IS CONSTRUCTED WITHIN 24" IN FRONT OF THE POST, PLACE VEGETATION CONTROL TO THE EDGE OF PAVED SHOULDER.
4. POST SPACING & OTHER DIMENSIONS TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR.

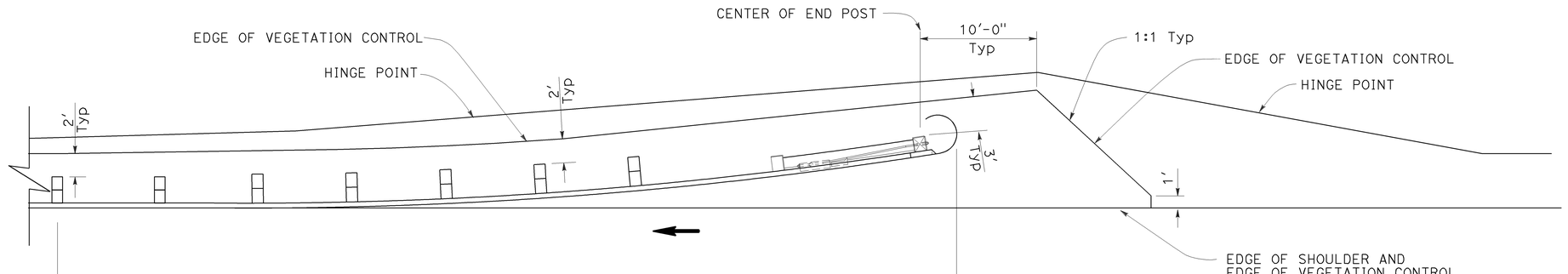


PLAN

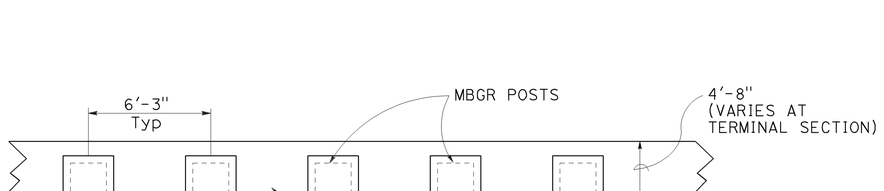
METAL BEAM GUARD RAILING TYPICAL VEGETATION CONTROL STANDARD RAILING SECTION



SECTION A-A



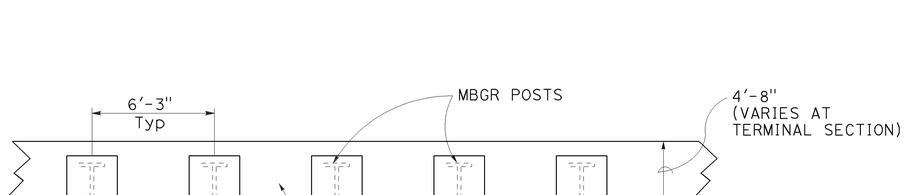
PLAN



PLAN

GUARD RAILING WEED CONTROL MAT (FIBER)

AT WOOD POST



PLAN

GUARD RAILING WEED CONTROL MAT (FIBER)

AT STEEL POST

CONSTRUCTION DETAILS

NO SCALE

C-10

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: S. WOODBECK
CHECKED BY: S. CHOWDHURY
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION | DATE PLOTTED => 27-APR-2010
04-06-10 | TIME PLOTTED => 10:55

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s128033
DGN FILE => 31f370ga010.dgn

CU 03224

EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	13	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

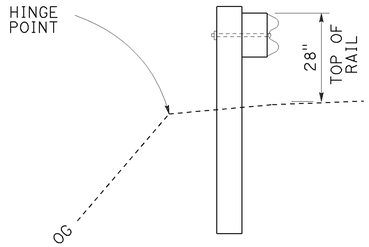
4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SALAHUDDIN CHOWDHURY
No. 75140
Exp. 12-31-11
CIVIL
STATE OF CALIFORNIA

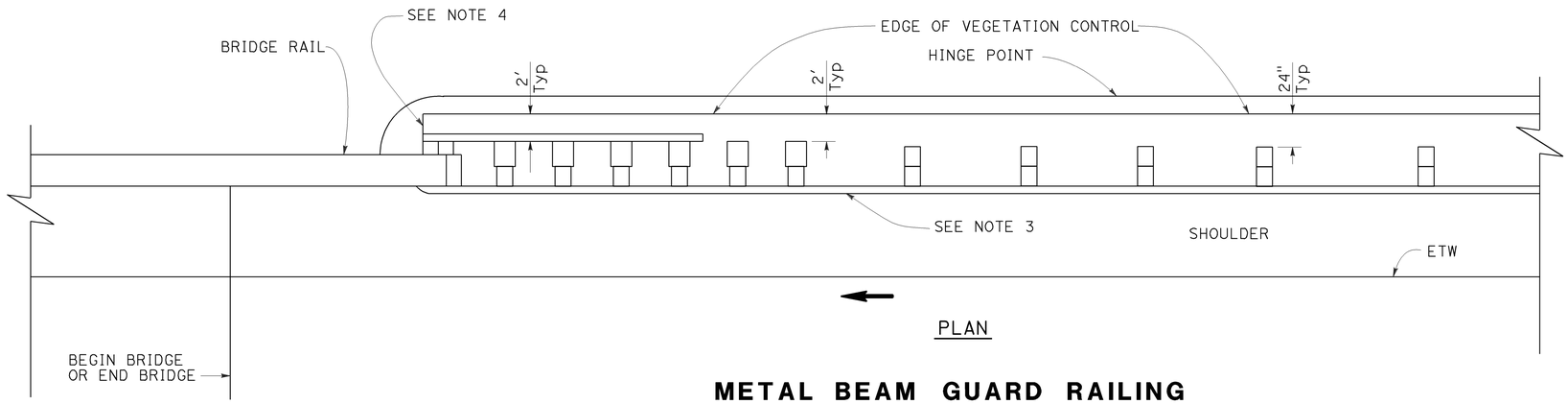
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. SEE SHEET C-10 FOR ADDITIONAL VEGETATION CONTROL DETAILS.
2. WHERE THE DISTANCE BETWEEN BACK OF POST AND HINGE POINT IS LESS THAN 24", VEGETATION CONTROL TO BE CONSTRUCTED FLUSH WITH THE BACK EDGE OF THE POST.
3. WHERE DIKE IS CONSTRUCTED UNDER RAILING, CONSTRUCT VEGETATION CONTROL TO BACK EDGE OF DIKE. WHERE PAVED SHOULDER IS CONSTRUCTED WITHIN 24" IN FRONT OF THE POST, CONSTRUCT VEGETATION CONTROL TO THE EDGE OF PAVED SHOULDER.
4. END VEGETATION CONTROL AT END OF BACKSIDE RAIL ELEMENT.
5. DIRECTION OF ADJACENT TRAFFIC INDICATED BY ←.



TYPICAL SECTION FROM FACE OF RAIL ELEMENT TO HINGE POINT



PLAN

METAL BEAM GUARD RAILING
TYPICAL VEGETATION CONTROL
AT STRUCTURE APPROACH AND DEPARTURE

CONSTRUCTION DETAILS

NO SCALE

C-11

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
CALCULATED-DESIGNED BY: S. WOODBECK
CHECKED BY: S. CHOWDHURY
REVISED BY
DATE REVISED

LAST REVISION 04-06-10
DATE PLOTTED => 27-APR-2010
TIME PLOTTED => 10:55

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	14	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

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

REGISTERED PROFESSIONAL ENGINEER
SALAHUDDIN CHOWDHURY
No. 75140
Exp. 12-31-11
CIVIL
STATE OF CALIFORNIA

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN LETTER	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POST AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
A	G20-1 [Spec](4)		84" x 42"	ROAD WORK NEXT 4 MILES	2 - 4" x 6"	1
B		C40(Mod)	96" x 60"	TRAFFIC FINES DOUBLED IN WORK ZONES	2 - 6" x 6"	1
C	W20-1	C23	48" x 48"	ROAD WORK AHEAD	1 - 6" x 6"	42
D	G20-2	C14	36" x 18"	END ROAD WORK	1 - 4" x 4"	41
E		C14	48" x 24"	END ROAD WORK	1 - 4" x 6"	6
F	G20-1 [Spec](4)		60" x 30"	ROAD WORK NEXT 4 MILES	2 - 4" x 6"	3
G	G20-1 [Spec](5)		60" x 30"	ROAD WORK NEXT 5 MILES	2 - 4" x 6"	2
H		C40(Mod)	72" x 42"	TRAFFIC FINES DOUBLED IN WORK ZONES	2 - 4" x 6"	5

NOTE:

EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER

SIGN DETAILS

A G20-1 [Spec](4)
ROAD WORK NEXT 4 MILES — 8" C
84"X42"
RETROREFLECTIVE ORANGE BACKGROUND WITH BLACK LEGEND AND BORDER.

B C40(Mod) (CA)
TRAFFIC FINES DOUBLED IN WORK ZONES — 8" D
96"X60"
RETROREFLECTIVE WHITE BACKGROUND WITH BLACK LEGEND AND BORDER.

F G20-1 [Spec](4)
ROAD WORK NEXT 4 MILES — 6" C SERIES LETTERS
60"X30"
RETROREFLECTIVE ORANGE BACKGROUND WITH BLACK LEGEND AND BORDER.

G G20-1 [Spec](5)
ROAD WORK NEXT 5 MILES — 6" C SERIES LETTERS
60"X30"
RETROREFLECTIVE ORANGE BACKGROUND WITH BLACK LEGEND AND BORDER.

H C40(Mod) (CA)
TRAFFIC FINES DOUBLED IN WORK ZONES — 6" D SERIES LETTERS
72"X42"
RETROREFLECTIVE WHITE BACKGROUND WITH BLACK LEGEND AND BORDER.

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN ONLY

CONSTRUCTION AREA SIGNS

NO SCALE **CS-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
CALCULATED-DESIGNED BY: SALAHUDDIN CHOWDHURY
CHECKED BY: FERMIN BARRIGA
REVISED BY / DATE REVISED

LAST REVISION DATE PLOTTED => 27-APR-2010
04-08-10 TIME PLOTTED => 10:55

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s128033
DGN FILE => 31f3701a001.dgn
CU 03224
EA 1F3701

NOTE:

1. EXACT SIGN LOCATION TO BE DETERMINED BY THE ENGINEER.

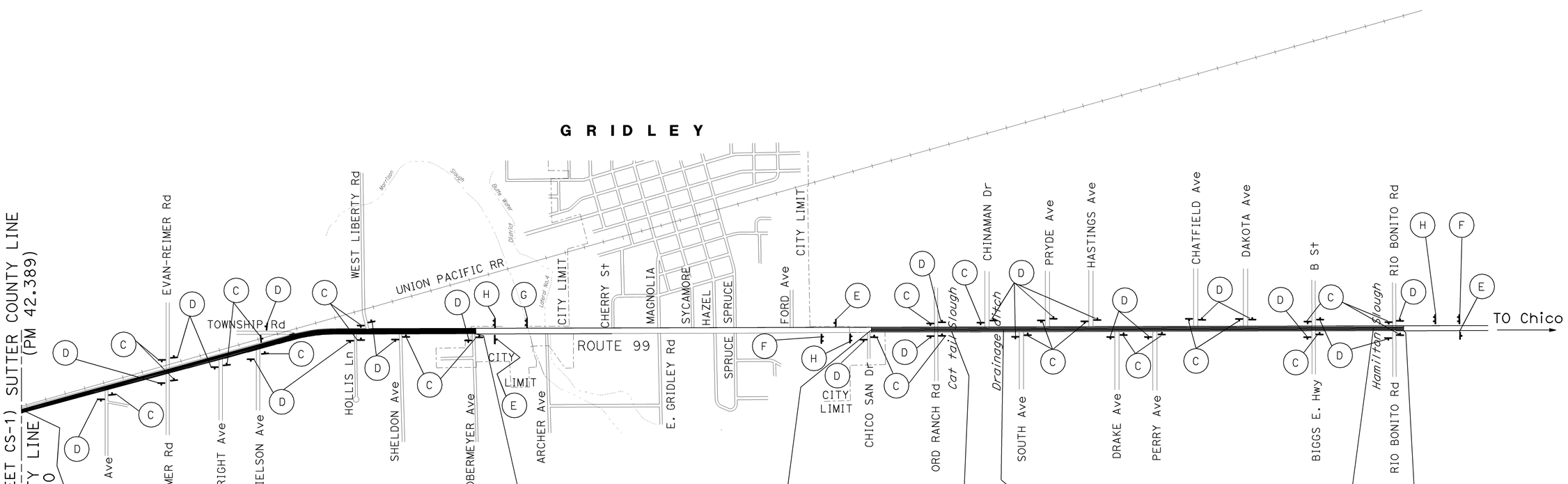
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	15	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SALAHUDDIN CHOWDHURY
No. 75140
Exp. 12-31-11
CIVIL
STATE OF CALIFORNIA

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



THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN ONLY

CONSTRUCTION AREA SIGNS

NO SCALE **CS-2**

CALCULATED-DESIGNED BY: SALAHUDDIN CHOWDHURY
CHECKED BY: FERMIN BARRIGA
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION 04-14-10
DATE PLOTTED => 27-APR-2010
TIME PLOTTED => 10:55

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s128033
DGN FILE => 31f3701a002.dgn
CU 03224
EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	16	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

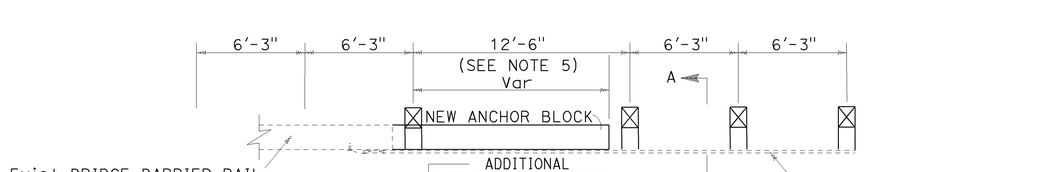
4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SALAHUDDIN CHOWDHURY
No. 75140
Exp. 12-31-11
CIVIL
STATE OF CALIFORNIA

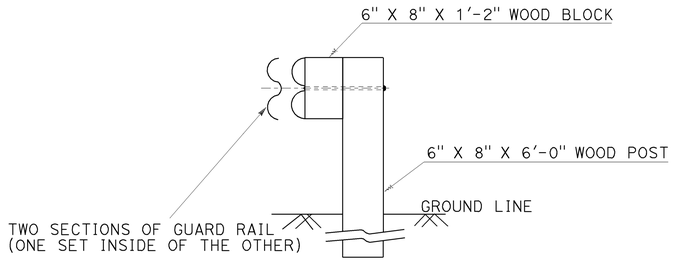
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. BRIDGE ANCHOR BLOCKS SHALL BE SHIELDED FROM TRAFFIC UNTIL ANCHOR BLOCK CONCRETE CURES AND PERMANENT MBGR CONNECTION IS PLACED.
2. THIS SHIELD DETAIL IS A SUGGESTED DETAIL. THE WORK FOR THIS DETAIL OR AN ALTERNATE DETAIL THAT MAY BE APPROVED BY THE ENGINEER IS NOT A SEPARATE PAY ITEM.
3. FOR END ANCHOR BLOCK CONSTRUCTION DETAILS, SEE SHEETS C-7 THROUGH C-9.
4. REMOVE MBGR POST(S), EXCAVATE FOR ANCHOR BLOCK, FORM AND POUR ANCHOR BLOCK, AND PLACE NESTED RAIL, AS SHOWN BELOW, UNTIL BLOCK CONCRETE CURES.
5. EXISTING POST SPACING MAY BE 3'-1½" OR EVEN VARIABLE DEPENDING ON FIELD CONDITIONS.
6. MBGR WORK IS TO BE DONE USING THE APPROPRIATE TRAFFIC CONTROL Std PLAN T10, T13, AND T17.



BRIDGE ANCHOR BLOCK SHIELD DETAIL
(SEE NOTE 2)



SECTION A-A

STAGE CONSTRUCTION DETAILS

NO SCALE

SCD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
CALCULATED-DESIGNED BY: S. WOODBECK
CHECKED BY: S. CHOWDHURY
REVISED BY
DATE REVISED

LAST REVISION 04-14-10
DATE PLOTTED => 27-APR-2010
TIME PLOTTED => 10:55

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s128033
DGN FILE => 31f370mb001.dgn
CU 03224
EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	17	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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

NOTE:

1. EXISTING STRIPING GAPS FOR PRIVATE DRIVEWAYS SHALL REMAIN.

TEMPORARY PAVEMENT DELINEATION QUANTITIES

LOCATION 1 - POST MILE Sut-99	(N)	TEMPORARY TRAFFIC STRIPE (PAINT)											TEMPORARY PAVEMENT MARKER			COMMENTS
		4" TEMPORARY TRAFFIC STRIPE					4" TEMPORARY TRAFFIC STRIPE				8" TEMPORARY TRAFFIC STRIPE					
		BROKEN 36-12				BROKEN 12-3	SOLID				BROKEN 12-3	SOLID				
	LENGTH	DETAIL 6	DETAIL 12	DETAIL 19	DETAIL 32	DETAIL 27C	DETAIL 19	DETAIL 32	DETAIL 27B	DETAIL 22	DETAIL 37B	DETAIL 38	TYPE D	TYPE G	TYPE H	
PM to PM	FT	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	
T35.66 -- T36.01	1848									1848			158			
NB-T35.66 -- T36.01	1848								1848							
T35.93 -- T35.99	317									317			32			LIVE OAK Blvd/ENCINAL Rd INTERSECTION
NB-T35.99 -- T36.01	106											106		6		
SB-T36.01 -- T35.99	106											106		6		LIVE OAK Blvd Lt TURN
NB-T36.03 -- T36.07	212								212							TO RR CROSSING
T36.03 -- T36.08	264									264			22			
T36.05 -- T36.08	160									160			18			TO RR CROSSING
NB-T36.06 -- T36.08	106											106		6		TO RR CROSSING
T36.09 -- 36.14	264									264			22			
NB-T36.08 -- 36.11	160											160		8		
T36.08 -- 36.36	1479									1479			125			
NB-T36.08 -- 36.36	1479								1510							
36.32 -- 36.37	264									264			22			
36.11 -- 36.34	1215										1215			82		
SB-36.36 -- 36.33	160											160	8			
NB-36.34 -- 36.38	30								30	30		243	4	18		KENT Ave INTERSECTION
SB-37.18 -- 36.05	5967								5967							TO RR CROSSING
SB-36.07 -- 36.05	106											106		6		TO RR CROSSING
SB-36.08 -- 36.07	53										53			4		
SB-36.04 -- 36.02	106											106		6		
SB-T36.02 -- T35.95	370					370										
SB-T35.95 -- T35.66	1532								1532							
NB-36.36 -- 37.22	4541								4571							
36.38 -- 37.22	4436									4541			374			
37.11 -- 37.19	423									453			40			CLARK Rd INTERSECTION
NB-37.19 -- 37.22	160											160	7			
NB-37.21 -- 37.25	212					212										
37.27 -- 37.36	476									476			44			
SB-37.22 -- 37.19	160											160	8			
SB-37.21 -- 37.19	106											133	6			
37.24 -- 37.93	3644									3644			308			
37.85 -- 37.93	423									453			40			CUTTING Ave INTERSECTION
NB-37.24 -- 37.93	3644								3644							
NB-37.93 -- 37.95	106					106										
SB-37.92 -- 37.90	106											106		6		
37.97 -- 38.06	476									476			44			
SUBTOTAL THIS SHEET		0	0	0	0	688	0	0	19314	14669	1268	1652	1282	148	0	

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

TRAFFIC HANDLING QUANTITIES

THQ-1

REVISED BY | DATE REVISED
S. CHOWDHURY | S. WOODBECK
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

LAST REVISION | DATE PLOTTED => 27-APR-2010
04-06-10 | TIME PLOTTED => 10:55

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s128033 | DGN FILE => 31f370mf001.dgn | CU 03224 | EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	18	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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

NOTE:

1. EXISTING STRIPING GAPS FOR PRIVATE DRIVEWAYS SHALL REMAIN.

TEMPORARY PAVEMENT DELINEATION QUANTITES

LOCATION 1 - POST MILE Sut-99	(N)	TEMPORARY TRAFFIC STRIPE (PAINT)											TEMPORARY PAVEMENT MARKER			COMMENTS
		4" TEMPORARY TRAFFIC STRIPE					4" TEMPORARY TRAFFIC STRIPE				8" TEMPORARY TRAFFIC STRIPE					
		BROKEN 36-12				BROKEN 12-3	SOLID				BROKEN 12-3	SOLID				
	LENGTH	DETAIL 6	DETAIL 12	DETAIL 19	DETAIL 32	DETAIL 27C	DETAIL 19	DETAIL 32	DETAIL 27B	DETAIL 22	DETAIL 37B	DETAIL 38	TYPE D	TYPE G	TYPE H	
PM to PM	FT	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	
37.95 -- 38.19	1268									1268			110			
SB-36.04 -- 35.98	317								317							
SB-38.42 -- 37.20	6442								6472							
38.11 -- 38.19	423									453			40			McDONALD Ave INTERSECTION
SB-38.19 -- 38.16	160											160		8		
NB-38.18 -- 38.20	106					106										
38.22 -- 38.30	423									423			40			McDONALD Ave INTERSECTION
38.20 -- 38.44	1268									1268			106			PASEO Ave INTERSECTION
38.32 -- 38.40	423									423			40			
NB-38.41 -- 38.44	160											160		8		
NB-38.43 -- 38.46	160					160										
SB-38.45 -- 38.42	160											160		8		PASEO Ave LEFT TURN
SB-38.46 -- 38.42	212											288		13		PASEO Ave RIGHT TURN
38.48 -- 38.57	476									506			44			
38.46 -- 39.09	3327									3327			282			
NB-37.95 -- 38.18	1215								1215							
NB-38.20 -- 38.43	1215								1215							
NB-38.46 -- 39.08	3274								3274							
39.00 -- 39.09	476									506			44			BISHOP Ave INTERSECTION
39.13 -- 39.22	476									476			44			
SB-39.35 -- 39.33	106											106		6		
SB-39.40 -- 38.43	5122								5122							
NB-39.08 -- 39.11	160					160										
NB-39.11 -- 39.34	1215								1215							
NB-39.34 -- 39.37	160					160										COLEMAN Ave INTERSECTION
NB-39.37 -- 39.40	160								160							
39.26 -- 39.35	476									476			44			
39.10 -- 39.35	1320									1320			114			
39.36 -- 39.40	212									212			20			
39.39 -- 39.40	53									53			10			
SUBTOTAL THIS SHEET		0	0	0	0	586	0	0	18990	10711	0	874	938	43	0	
TOTAL - LOCATION 1 (Sut-99)		0	0	0	0	1274	0	0	38304	25380	1268	2526	2220	191	0	
TOTAL - LOCATION 1 (Sut-99)		68752											2411			

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

TRAFFIC HANDLING QUANTITIES

THQ-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
CALCULATED-DESIGNED BY: S. CHOWDHURY
CHECKED BY: S. WOODBECK
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 27-APR-2010
04-06-10 TIME PLOTTED => 10:56

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s128033
DGN FILE => 31f370mf002.dgn
CU 03224
EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	19	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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

NOTE:

1. EXISTING STRIPING GAPS FOR PRIVATE DRIVEWAYS SHALL REMAIN.

TEMPORARY PAVEMENT DELINEATION QUANTITIES

LOCATION 2 - POST MILE	(N)	TEMPORARY TRAFFIC STRIPE (PAINT)											TEMPORARY PAVEMENT MARKER			COMMENTS
		4" TEMPORARY TRAFFIC STRIPE					4" TEMPORARY TRAFFIC STRIPE				8" TEMPORARY TRAFFIC STRIPE					
		BROKEN 36-12				BROKEN 12-3	SOLID				BROKEN 12-3	SOLID				
	LENGTH	DETAIL 6	DETAIL 12	DETAIL 19	DETAIL 32	DETAIL 27C	DETAIL 19	DETAIL 32	DETAIL 27B	DETAIL 22	DETAIL 37B	DETAIL 38	TYPE D	TYPE G	TYPE H	
PM to PM	FT	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	
Sut-99																
40.90 -- 41.40	2640				2640			2640					284			
41.43 -- 41.50	370									370			36			
NB-40.90 -- 42.13	6495								6525							
NB-41.40 -- 41.42	106											106		6		
SB-41.40 -- 41.37	160					160										
SB-41.39 -- 40.90	2588								2588							
SB-41.41 -- 41.39	106					106										NEVADA St INTERSECTION
SB-41.43 -- 41.41	106											106		6		
41.43 -- 41.51	423									453			40			
SB-41.41 -- 42.11	3696								3726							
41.51 -- 42.02	2693									2693			230			
42.02 -- 42.10	423									423			40			RIVIERA Rd INTERSECTION
42.02 -- 42.13	423									453			40			
NB-42.11 -- 42.13	106											106		6		RIVIERA Rd Rt/Lt TURN
NB-42.13 -- 42.16	160					160										
SB-42.13 -- 42.11	106					106										RIVIERA Rd INTERSECTION
SB-42.16 -- 42.14	106											106		6		RIVIERA Rd LEFT TURN
SB-42.17 -- 42.14	160											160		14		RIVIERA Rd RIGHT TURN
SB-42.40 -- 42.16	1268								1298							
42.17 -- 42.24	370									370			36			
42.15 -- 42.24	370									370			36			
42.24 -- 42.39	792									792			70			
NB-42.16 -- 42.39	1215								1215							
TOTAL-SUTTER Co LOCATION 2		0	0	0	2640	532	0	2640	15352	5924	0	584	812	38	0	
TOTAL-SUTTER Co LOCATION 2		27672											850			
But-99																
0.00 -- 1.18	6231	6231											132			
1.18 -- 1.22	212			212			212						6		10	
1.22 -- 1.30	423									423			40			TURNER Ave INTERSECTION
1.26 -- 1.30	212									212			18			
NB-1.28 -- 1.30	106											106		6		
NB-0.00 -- 1.30	6864								6864							
SB-2.06 -- 0.00	10877								10877							
SB-1.33 -- 1.31	106											106		6		
NB-1.30 -- 1.33	160					160										
1.32 -- 1.42	528									528			48			
1.34 -- 1.42	423									423			40			
SUBTOTAL THIS SHEET-BUTTE Co		6231	0	212	0	160	212	0	17741	1586	0	212	284	12	10	

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

TRAFFIC HANDLING QUANTITIES

THQ-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
CALCULATED-DESIGNED BY: S. CHOWDHURY
CHECKED BY: S. WOODBECK
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 27-APR-2010
04-06-10 TIME PLOTTED => 10:56

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s128033
DGN FILE => 31f370mf003.dgn
CU 03224
EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	20	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — STATE OF CALIFORNIA

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

NOTE:

1. EXISTING STRIPING GAPS FOR PRIVATE DRIVEWAYS SHALL REMAIN.

TEMPORARY PAVEMENT DELINEATION QUANTITIES

LOCATION 2 - POST MILE	(N)	TEMPORARY TRAFFIC STRIPE (PAINT)											TEMPORARY PAVEMENT MARKER			COMMENTS
		4" TEMPORARY TRAFFIC STRIPE					4" TEMPORARY TRAFFIC STRIPE				8" TEMPORARY TRAFFIC STRIPE					
		BROKEN 36-12				BROKEN 12-3	SOLID				BROKEN 12-3	SOLID				
	LENGTH	DETAIL 6	DETAIL 12	DETAIL 19	DETAIL 32	DETAIL 27C	DETAIL 19	DETAIL 32	DETAIL 27B	DETAIL 22	DETAIL 37B	DETAIL 38	TYPE D	TYPE G	TYPE H	
PM to PM	FT	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	
But-99																
NB-1.33 -- 2.08	3960								3990							
1.42 -- 1.46	212			212			212						5		10	
1.46 -- 1.94	2535	2535											54			
1.94 -- 2.09	792									792			70			EVANS REIMER Rd INTERSECTION
1.98 -- 2.05	370									370			36			
NB-2.08 -- 2.12	212					212										EVANS REIMER Rd INTERSECTION
SB-2.06 -- 2.10	212					212										
SB-2.11 -- 2.10	53											53		3		EVANS REIMER Rd R+ TURN
SB-2.12 -- 2.10	106											106		6		EVANS REIMER Rd L+ TURN
SB-2.75 -- 2.10	3432								3432							
NB-2.06 -- 2.08	106											212		10		EVANS REIMER Rd R+/L+ TURN
NB-2.12 -- 2.34	1162								1192							
2.12 -- 2.20	423									423			40			
2.10 -- 2.34	1268									1268			110			
2.28 -- 2.34	317									317			32			WRIGHT Ave INTERSECTION
NB-2.32 -- 2.34	106											106		6		
NB-2.34 -- 2.36	106					106										WRIGHT Ave INTERSECTION
2.37 -- 2.44	370									370			36			
2.35 -- 2.60	1320									1320			114			
NB-2.37 -- 2.60	1215								1215							
SB-2.37 -- 2.35	106											106		6		
2.52 -- 2.60	423									453			40			NIELSON Ave INTERSECTION
NB-2.58 -- 2.60	106											106		6		
NB-2.60 -- 2.63	160					160										
SB-2.63 -- 2.61	106											106		6		
2.62 -- 2.78	845									845			72			
2.64 -- 2.73	476									476			44			
NB-2.75 -- 2.78	160											160		8		
2.79 -- 2.85	317									317			28			
SB-2.83 -- 2.79	212											212		10		TOWNSHIP Rd INTERSECTION
SB-2.79 -- 2.76	160					160										
NB-2.63 -- 3.09	2429								2459							
NB-3.09 -- 3.13	212					212										HOLLIS Ln INTERSECTION
2.79 -- 3.01	1162									1162			102			
2.97 -- 3.01	212									212			20			
3.01 -- 3.09	423				423			423					54			
SUBTOTAL THIS SHEET		2535	0	212	423	1062	212	423	12288	8325	0	1167	857	61	10	

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

TRAFFIC HANDLING QUANTITIES

THQ-4

REVISED BY | DATE REVISED
S. CHOWDHURY | S. WOODBECK
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

LAST REVISION | DATE PLOTTED => 27-APR-2010
04-06-10 | TIME PLOTTED => 10:56

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s128033 | DGN FILE => 31f370mf004.dgn | CU 03224 | EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	21	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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

NOTE:

1. EXISTING STRIPING GAPS FOR PRIVATE DRIVEWAYS SHALL REMAIN.

TEMPORARY PAVEMENT DELINEATION QUANTITIES

LOCATION 2 - POST MILE	(N)	TEMPORARY TRAFFIC STRIPE (PAINT)											TEMPORARY PAVEMENT MARKER			COMMENTS
		4" TEMPORARY TRAFFIC STRIPE					4" TEMPORARY TRAFFIC STRIPE				8" TEMPORARY TRAFFIC STRIPE					
		BROKEN 36-12				BROKEN 12-3	SOLID				BROKEN 12-3	SOLID				
PM to PM	LENGTH	DETAIL 6	DETAIL 12	DETAIL 19	DETAIL 32	DETAIL 27C	DETAIL 19	DETAIL 32	DETAIL 27B	DETAIL 22	DETAIL 37B	DETAIL 38	TYPE D	TYPE G	TYPE H	
PM to PM	FT	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	
But-99																
NB-3.08 -- 3.09	53											53		3		
NB-3.09 -- 3.12	160					160										
NB-3.12 -- 3.13	53											53		3		W. LIBERTY Rd-L† TURN
SB-3.11 -- 3.10	53											53		3		W. LIBERTY Rd-L† TURN
SB-3.10 -- 2.79	1637								1667							
SB-3.13 -- 3.10	160					160										
SB-3.19 -- 3.13	317											357		15		W. LIBERTY Rd-R† TURN
3.10 -- 3.13	160									160			18			
3.15 -- 3.24	476				476			476					47			
NB-3.21 -- 3.24	160		160											5		
NB-3.26 -- 3.49	1215		1215											27		
NB-3.13 -- 3.24	581								581							
NB-3.24 -- 3.27	160					160										SHELDON Ave INTERSECTION
NB-3.27 -- 3.50	1215								1215							
3.27 -- 3.49	1162				1162			1162					132			
3.25 -- 3.27	160									160			18			
SB-3.28 -- 3.19	264										264					
SB-3.50 -- 3.14	1901								1901							
SB-3.50 -- 3.28	1162		1162											25		
SB-3.27 -- 3.25	106											106		12		SHELDON Ave L† TURN
SUBTOTAL THIS SHEET		0	2537	0	1638	480	0	1638	5364	320	264	622	215	93	0	
TOTAL-LOCATION 2-But-99		8766	2537	424	2061	1702	424	2061	35393	10231	264	2001	1356	166	20	
TOTAL-LOCATION 2-Sut-99		27672											850			
TOTAL-LOCATION 2-But-99		65864											1542			
TOTAL-LOCATION 2		93536											2392			

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

TRAFFIC HANDLING QUANTITIES

THQ-5

REVISED BY | DATE REVISED
S. CHOWDHURY | S. WOODBECK
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION | DATE PLOTTED => 27-APR-2010
04-06-10 | TIME PLOTTED => 10:56

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s128033 | DGN FILE => 31f370mf005.dgn | CU 03224 | EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	22	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — STATE OF CALIFORNIA

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

NOTE:

1. EXISTING STRIPING GAPS FOR PRIVATE DRIVEWAYS SHALL REMAIN.

TEMPORARY PAVEMENT DELINEATION QUANTITIES

LOCATION 3 - BUTTE COUNTY POST MILE	(N)	TEMPORARY TRAFFIC STRIPE (PAINT)										TEMPORARY PAVEMENT MARKER			COMMENTS
		4" TEMPORARY TRAFFIC STRIPE					4" TEMPORARY TRAFFIC STRIPE				8" TEMPORARY TRAFFIC STRIPE				
		BROKEN 36-12				BROKEN 12-3	SOLID				BROKEN 12-3	SOLID			
	LENGTH	DETAIL 6	DETAIL 12	DETAIL 19	DETAIL 32	DETAIL 27C	DETAIL 19	DETAIL 32	DETAIL 27B	DETAIL 22	DETAIL 37B	DETAIL 38	TYPE D	TYPE G	TYPE H	
PM to PM	FT	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	
NB-4.85 -- 4.88	160					160										
SB-4.87 -- 4.85	106											106		6		CHICO SAN Dr-Lt TURN
4.85 -- 4.96	581									581			54			
4.85 -- 5.14	1532									1532			132			
NB-4.85 -- 5.14	1532								1532							
5.03 -- 5.12	476									476			44			
NB-5.12 -- 5.14	106											106		6		ORD RANCH Rd-Rt TURN
NB-5.13 -- 5.14	53											53		4		CEMETERY-Lt TURN
NB-5.14 -- 5.17	160					160										
SB-5.16 -- 5.15	53											53		4		ORD RANCH Rd-Lt TURN
NB-5.17 -- 6.14	5122								5122							
5.15 -- 5.20	264									264			26			
NB-5.18 -- 5.21	160											160		8		
5.22 -- 5.33	581									581			54			
5.22 -- 5.38	845									845			76			
5.38 -- 6.02	3380	3380											73			
6.06 -- 6.15	476									476			44			SOUTH Ave INTERSECTION
NB-6.14 -- 6.18	212					212										
SB-6.17 -- 6.15	106											106		6		SOUTH Ave Lt TURN
6.02 -- 6.15	687									687			62			
NB-6.24 -- 6.26	106											106		6		PRYDE Ave Lt TURN
6.16 -- 6.26	528									528			48			PRYDE Ave INTERSECTION
6.18 -- 6.24	317									317			32			
SB-6.27 -- 6.24	160					160										
6.28 -- 6.36	423									423			40			
6.28 -- 6.52	1268									1268			110			
6.41 -- 6.49	423									423			40			
NB-6.50 -- 6.52	106											106		6		HASTINGS Ave Lt TURN
SB-6.52 -- 6.49	160					160										
SB-6.49 -- 6.29	1056								1086							
SB-6.29 -- 6.27	106											106		6		PRYDE Ave Rt TURN
SB-6.24 -- 4.85	7340								7340							
6.53 -- 6.64	581									581			54			DRAKE Ave INTERSECTION
NB-6.62 -- 6.64	106											106		6		DRAKE Ave-Rt TURN
NB-6.64 -- 6.67	160					160										
SB-6.67 -- 6.65	106											106		6		
SB-6.52 -- 6.49	160					160										
SB-6.54 -- 6.52	106											106		6		HASTINGS Ave Rt TURN
NB-6.18 -- 6.64	2429								2459							
NB-6.67 -- 6.89	1162								1192							
6.68 -- 6.77	476									476			44			
6.66 -- 6.89	1215									1215			106			
6.87 -- 6.89	106									106			14			PERRY Ave INTERSECTION
SUBTOTAL THIS SHEET		3380	0	0	0	1172	0	0	18731	10779	0	1220	1053	70	0	

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

TRAFFIC HANDLING QUANTITIES
THQ-6

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY: S. CHOWDHURY | CHECKED BY: S. WOODBECK
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION | Caltrans® DESIGN

LAST REVISION DATE PLOTTED => 27-APR-2010
04-06-10 TIME PLOTTED => 10:56

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	23	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — STATE OF CALIFORNIA

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

NOTE:

1. EXISTING STRIPING GAPS FOR PRIVATE DRIVEWAYS SHALL REMAIN.

TEMPORARY PAVEMENT DELINEATION QUANTITIES

LOCATION 3 - BUTTE COUNTY POST MILE	(N)	TEMPORARY TRAFFIC STRIPE (PAINT)										TEMPORARY PAVEMENT MARKER			COMMENTS
		4" TEMPORARY TRAFFIC STRIPE					4" TEMPORARY TRAFFIC STRIPE				8" TEMPORARY TRAFFIC STRIPE				
		BROKEN 36-12				BROKEN 12-3	SOLID				BROKEN 12-3	SOLID			
	LENGTH	DETAIL 6	DETAIL 12	DETAIL 19	DETAIL 32	DETAIL 27C	DETAIL 19	DETAIL 32	DETAIL 27B	DETAIL 22	DETAIL 37B	DETAIL 38	TYPE D	TYPE G	TYPE H	
PM to PM	FT	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	
SB-7.28 -- 6.53	3960								3960							
NB-6.88 -- 6.89	53											53		4		PRYDE Ave R+ TURN
NB-6.89 -- 6.92	160					160										
6.91 -- 6.94	160									160			18			
NB-6.92 -- 7.70	4119								4119							
SB-6.66 -- 6.64	106											106		6		DRAKE Ave-L+ TURN
SB-6.92 -- 6.90	106											106		6		
6.94 -- 6.99	264				264			264					36			
SB-7.04 -- 7.03	53											53		4		CHATFIELD Ave R+ TURN
NB-7.00 -- 7.02	106											106		6		CHATFIELD Ave L+ TURN
SB-7.04 -- 7.03	160					160										
7.03 -- 7.27	1268									1268			110			
NB-7.25 -- 7.27	106											106		6		DAKOTA Ave L+ TURN
7.03 -- 7.07	212									212			22			
7.16 -- 7.24	423									423			40			
7.29 -- 7.37	423									423			40			
7.29 -- 7.70	2165									2165			186			
SB-7.70 -- 7.28	2218								2218							
SB-7.28 -- 7.25	160					160										
SB-7.30 -- 7.28	106											106		6		DAKOTA Ave R+ TURN
NB-7.67 -- 7.70	160											160		8		BIGGS EAST Hwy R+ TURN
NB-7.68 -- 7.70	106											106		6		B S+ L+ TURN
7.58 -- 7.67	476									476			44			
SB-7.73 -- 7.71	106											106		6		BIGGS EAST Hwy L+ TURN
SB-7.74 -- 7.71	160											160		8		B S+ R+ TURN
NB-7.71 -- 8.40	3644								3684							
7.73 -- 7.81	423									423			40			
7.72 -- 7.83	581									581			54			
7.83 -- 7.87	212			212			212						6		10	
7.87 -- 8.21	1796	1796											39			
8.21 -- 8.24	160			160			160						5		8	
8.24 -- 8.31	370									370			36			
8.24 -- 8.40	845									845			76			
NB-8.40 -- 8.42	106					106										RIO BONITO Rd INTERSECTION
NB-8.33 -- 8.40	370											370		17		RIO BONITO Rd L+ TURN
NB-8.37 -- 8.40	160											160		8		RIO BONITO Rd R+ TURN
SB-8.39 -- 7.71	3696								3696							
SB-8.41 -- 8.39	106					106								6		
SB-8.43 -- 8.41	106											106		6		RIO BONITO Rd R+ TURN
SB-8.47 -- 8.41	317								317			317		15		RIO BONITO Rd L+ TURN
8.41 -- 8.47	317									317			32			
SUBTOTAL THIS SHEET		1796	0	372	264	692	372	264	17994	7663	0	2121	784	118	18	
TOTAL - LOCATION 3		5176	0	372	264	1864	372	264	36725	18442	0	3341	1837	188	18	
TOTAL - LOCATION 1		68752												2411		
TOTAL - LOCATION 2		93536												2392		
TOTAL - LOCATION 3		66820												2043		
GRAND TOTALS		229108												6846		

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

TRAFFIC HANDLING QUANTITIES

THQ-7

REVISED BY | DATE REVISED
S. CHOWDHURY | S. WOODBECK
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

LAST REVISION | DATE PLOTTED => 27-APR-2010
04-06-10 | TIME PLOTTED => 10:56

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s128033 | DGN FILE => 31f370mf007.dgn | CU 03224 | EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	24	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — STATE OF CALIFORNIA

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

TEMPORARY PAVEMENT MARKING (PAINT)

LOCATION 1 - POST MILE Sut-99	ARROWS					WORDS			RR CROSSING SYMBOL	LIMIT LINE AND CROSSWALK	8" DIAGONAL LINES	24" TRANSVERSE LINES	COMMENTS
	TYPE II (Lt)	TYPE III (Lt)	TYPE III (Rt)	TYPE V	TYPE VI	"STOP"	"SIGNAL"	"AHEAD"					
	SQFT					SQFT			SQFT				
NB-T35.60				33									
SB-T35.60				33									
NB-T35.97									70			60	
SB-T35.97						22				34			ENCINAL Rd
SB-T35.99		42											
NB-T35.99		42											ADDITIONAL SYMBOL
SB-T36.01		42											
NB-T36.01		42											
NB-T36.02	45		42			44				40			ON LIVE OAK Blvd
NB-T36.03 -- T36.05											107		LIVE OAK Blvd
NB-T36.05									70			60	ADDITIONAL SYMBOL
NB-T36.06										104			RR CROSSING LIMIT LINE
NB-36.34			42										ADDITIONAL SYMBOL
NB-36.36			42										INTERSECTION - Rt
NB-36.38						22				24			
SB-36.14 -- 36.07											323		RR CROSSING
SB-36.34		42											
SB-36.36		42											ADDITIONAL SYMBOL
SB-36.31 -- 36.30									70			60	
SB-T36.06										96			RR CROSSING LIMIT LINE
SB-T36.03					42								
SB-T36.02					42								
SB-T36.01		42											
NB-37.20		42											ADDITIONAL SYMBOL
NB-37.22		42											
NB-37.23						22				31			CLARK Rd INTERSECTION
SB-37.22		42	42										ADDITIONAL SYMBOLS
SB-37.21			42										
SB-37.20		42											
SB-37.19						22				29			CLARK Rd INTERSECTION
SB-37.91		42											
SB-37.92		42											ADDITIONAL SYMBOL
NB-37.95						22				29			CUTTING Ave INTERSECTION
SB-38.17		42											
SB-38.19		42											ADDITIONAL SYMBOL
NB-38.19						22				33			McDONALD Ave INTERSECTION
NB-38.43		42											
SB-38.42						22				28			PASEO Ave INTERSECTION
NB-38.41		42											ADDITIONAL SYMBOL
SB-38.43		42	42							50			FOR RR CROSSING ON PASEO
SB-38.45		42											ADDITIONAL SYMBOL
NB-38.45						22				27			PASEO Ave INTERSECTION
SB-38.46			42										ADDITIONAL SYMBOL
SB-39.07		42											BISHOP Ave INTERSECTION
SB-39.09		42											ADDITIONAL SYMBOL
NB-39.10						22				31			BISHOP Ave INTERSECTION
SB-39.34		42											
SB-39.35		42											ADDITIONAL SYMBOL
NB-39.35						22				31			COLEMAN Ave INTERSECTION
TOTAL - LOCATION 1	45	966	294	66	84	264	0	0	210	587	430	180	

TRAFFIC HANDLING QUANTITIES

THQ-8

REVISED BY	DATE REVISED
S. CHOWDHURY	S. WOODBECK
CALCULATED-DESIGNED BY	CHECKED BY
FUNCTIONAL SUPERVISOR	FERMIN BARRIGA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

LAST REVISION 04-08-10
DATE PLOTTED => 27-APR-2010
TIME PLOTTED => 10:56

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s128033
DGN FILE => 31f370mf008.dgn

CU 03224

EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	25	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SALAHUDDIN CHOWDHURY — No. 75140 — Exp. 12-31-11 — CIVIL — STATE OF CALIFORNIA

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TEMPORARY PAVEMENT MARKING (PAINT)

LOCATION 2 - POST MILE	ARROWS					WORDS			RR CROSSING SYMBOL	LIMIT LINE AND CROSSWALK	8" DIAGONAL LINES	24" TRANSVERSE LINES	COMMENTS
	TYPE II (Lt)	TYPE III (Lt)	TYPE III (Rt)	TYPE V	TYPE VI	"STOP"	"SIGNAL"	"AHEAD"					
	SQFT					SQFT			SQFT				
Sut-99													
41.09		42	42										TWO-WAY LEFT TURN LANE
41.32		42	42										TWO-WAY LEFT TURN LANE
NB-41.41		42											
SB-41.41						44				35			NEVADA St INTERSECTION
SB-41.42			42										
NB-42.11		42	42										ADDITIONAL SYMBOLS
NB-42.12		42	42										RIVIERA Rd INTERSECTION
NB-42.14						22				30			
SB-42.13						44			70	34		50	RR CROSSING ON RIVIERA Rd
SB-42.14		42	42										RIVIERA Rd INTERSECTION
SB-42.15		42											ADDITIONAL SYMBOL
SB-42.16			42										ADDITIONAL SYMBOL
TOTAL-SUTTER Co LOCATION 2	0	294	294	0	0	110	0	0	70	99	0	50	
But-99													
NB-1.29			42										TURNER Ave INTERSECTION
SB-1.32		42											
SB-1.33		42											ADDITIONAL SYMBOL
NB-1.31						44				34			TURNER Ave INTERSECTION
NB-2.06		42	42										ADDITIONAL SYMBOLS
NB-2.08		42	42										
NB-2.09						44				40			EVANS REIMER Rd INTERSECTION
SB-2.09						44				38			
SB-2.10		42	42										
SB-2.12		42											ADDITIONAL SYMBOL
NB-2.32			42										ADDITIONAL SYMBOL
NB-2.33			42										WRIGHT Ave INTERSECTION
NB-2.34						22				32			
SB-2.36		42											WRIGHT Ave INTERSECTION
SB-2.37		42											ADDITIONAL SYMBOL
NB-2.59			42										NIELSON Ave INTERSECTION
NB-2.61						22				35			
SB-2.62		42											NIELSON Ave INTERSECTION
SB-2.63		42											ADDITIONAL SYMBOL
NB-2.77		42											TOWNSHIP Rd INTERSECTION
NB-2.75		42											ADDITIONAL SYMBOL
SB-2.78						44				50			
SB-2.79									70			92	FOR RR CROSSING ON TOWNSHIP Rd
SB-2.80			42										TOWNSHIP Rd INTERSECTION
SB-2.82			42										
SUBTOTAL THIS SHEET-BUTTE Co	0	504	378	0	0	220	0	0	70	229	0	92	

TRAFFIC HANDLING QUANTITIES

THQ-9

REVISED BY | DATE REVISED
S. CHOWDHURY | S. WOODBECK
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

LAST REVISION | DATE PLOTTED => 27-APR-2010 | TIME PLOTTED => 10:56
04-08-10

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s128033 | DGN FILE => 31f370mf009.dgn | CU 03224 | EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	26	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — STATE OF CALIFORNIA

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TEMPORARY PAVEMENT MARKING (PAINT)

LOCATION 2 - POST MILE	ARROWS					WORDS			RR CROSSING SYMBOL	LIMIT LINE AND CROSSWALK	8" DIAGONAL LINES	24" TRANSVERSE LINES	COMMENTS
	TYPE II (Lt)	TYPE III (Lt)	TYPE III (Rt)	TYPE V	TYPE VI	"STOP"	"SIGNAL"	"AHEAD"					
	SQFT					SQFT			SQFT				
But-99													
NB-3.09			42										
NB-3.10						44				42			HOLLIS Ln INTERSECTION
SB-3.10		42											
SB-3.13						44				37			W LIBERTY Rd INTERSECTION
NB-3.13		42											W LIBERTY Rd Lt TURN
SB-3.14									70			70	FOR RR CROSSING ON W LIBERTY
SB-3.15			42	33									
SB-3.18			42	33									
NB-3.23				66									ONE MARKING PER NB LANE
SB-3.21			42										W LIBERTY Rd Rt TURN
SB-3.23			42										
SB-3.26		42											
NB-3.25						22				26			SHELDON Ave INTERSECTION
SB-3.25			42										
SUBTOTAL LOCATION 2 (THIS Sht)	0	126	252	132	0	110	0	0	70	105	0	70	
TOTAL-SUTTER Co-LOCATION 2	0	294	294	0	0	110	0	0	70	99	0	50	
TOTAL-BUTTE Co-LOCATION 2	0	630	630	132	0	330	0	0	140	334	0	162	
TOTAL - LOCATION 2	0	924	924	132	0	440	0	0	210	433	0	212	
LOCATION 3 - POST MILE													
But-99													
NB-4.86 -- 4.89											97		CHICO SAN Dr
SB-4.85		42											CHICO SAN Dr Lt TURN
SB-4.87		42											ADDITIONAL SYMBOL
NB-5.13		42	42										ORD RANCH Rd INTERSECTION
NB-5.15						44				41			ORD RANCH Rd INTERSECTION
SB-5.15		42											
NB-5.19		42											ADDITIONAL SYMBOL
NB-5.20		42											NORTH CEMETERY ENTRANCE
NB-6.16						44				38			SOUTH Ave INTERSECTION
SB-6.16		42											
SB-6.18		42											ADDITIONAL SYMBOL
NB-6.24		42											ADDITIONAL SYMBOL
NB-6.26		42											PRYDE Ave Lt TURN
SB-6.26						44				43			PRYDE Ave INTERSECTION
SB-6.28			42										PRYDE Ave Rt TURN
NB-6.50		42											ADDITIONAL SYMBOL
NB-6.51		42											HASTINGS Ave Lt TURN
SB-6.52						44				46			HASTINGS Ave INTERSECTION
SB-6.53			42										HASTINGS Ave Rt TURN
NB-6.63			42										DRAKE Ave INTERSECTION
NB-6.65						44				42			DRAKE Ave INTERSECTION
SB-6.65		42											
SB-6.66		42											ADDITIONAL SYMBOL
NB-6.89			42										PERRY Ave Rt TURN
NB-6.89						44				41			PERRY Ave INTERSECTION
SB-6.91		42											PERRY Ave Lt TURN
SB-6.92		42											ADDITIONAL SYMBOL
SUBTOTAL LOCATION 3 (THIS Sht)	0	672	210	0	0	264	0	0	0	251	97	0	

TRAFFIC HANDLING QUANTITIES

THQ-10

CALCULATED-DESIGNED BY: S. CHOWDHURY
CHECKED BY: S. WOODBECK
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED => 27-APR-2010 | TIME PLOTTED => 10:56
04-08-10

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s128033
DGN FILE => 31f370mf010.dgn

CU 03224

EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	27	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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

TEMPORARY PAVEMENT MARKING (PAINT)

LOCATION 3 - POST MILE But-99	ARROWS					WORDS			RR CROSSING SYMBOL	LIMIT LINE AND CROSSWALK	8" DIAGONAL LINES	24" TRANSVERSE LINES	COMMENTS
	TYPE II (Lt)	TYPE III (Lt)	TYPE III (Rt)	TYPE V	TYPE VI	"STOP"	"SIGNAL"	"AHEAD"					
	SQFT					SQFT			SQFT				
NB-7.00		42											ADDITIONAL SYMBOL
NB-7.02		42											CHATFIELD Ave Lt TURN
SB-7.02						44				45			CHATFIELD Ave INTERSECTION
SB-7.04			42										CHATFIELD Ave Rt TURN
NB-7.25		42											ADDITIONAL SYMBOL
NB-7.27		42											DAKOTA Ave Lt TURN
SB-7.27						44				47			DAKOTA Ave INTERSECTION
SB-7.29			42										
SB-7.30			42										ADDITIONAL SYMBOL
NB-7.54							32						
NB-7.55								31					
NB-7.67		42	42										ADDITIONAL SYMBOL (Lt)
NB-7.69		42	42	33									BIGGS EAST Hwy
NB-7.70										42			
SB-7.70						22				46			BIGGS Hwy INTERSECTION
NB-7.71						22				23			BIGGS Hwy INTERSECTION
SB-7.71		42	42	33						30			BIGGS Hwy INTERSECTION
SB-7.73			42										
SB-7.74		42											ADDITIONAL SYMBOL
SB-7.85								31					
SB-7.86							32						
NB-8.33		42											
NB-8.37			42										
NB-8.40		42	42										
SB-8.40						22				31			
NB-8.41						22				34			RIO BONITO Rd INTERSECTION
SB-8.41		42	42										
SB-8.43			42										
SB-8.46		42											
SUBTOTAL THIS SHEET	0	504	462	66	0	176	64	62	0	298	0	0	
TOTAL - LOCATION 1	45	966	294	66	84	264	0	0	210	587	430	180	
TOTAL - LOCATION 2	0	924	924	132	0	440	0	0	210	433	0	212	
TOTAL - LOCATION 3	0	1176	672	66	0	440	64	62	0	549	97	0	
TOTAL - ALL LOCATIONS	45	3066	1890	264	84	1144	64	62	420	1569	527	392	
GRAND TOTAL	9527												

TRAFFIC HANDLING QUANTITIES

THQ-11

CALCULATED-DESIGNED BY: S. CHOWDHURY
CHECKED BY: S. WOODBECK
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

LAST REVISION 04-08-10
DATE PLOTTED => 27-APR-2010
TIME PLOTTED => 10:56

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s128033
DGN FILE => 31f370mf011.dgn
CU 03224
EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	28	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — STATE OF CALIFORNIA

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

NOTE:

1. EXISTING STRIPING GAPS FOR PRIVATE DRIVEWAYS SHALL REMAIN.

PAVEMENT DELINEATION QUANTITIES

LOCATION 1 - POST MILE Sut-99	(N) LENGTH	4" THERMOPLASTIC TRAFFIC STRIPE					4" THERMOPLASTIC TRAFFIC STRIPE					8" THERMOPLASTIC TRAFFIC STRIPE		PAVEMENT MARKER (RETRO-REFLECTIVE)			CENTERLINE RUMBLE STRIP (HMA, GROUND-IN INDENTATIONS)	COMMENTS
		BROKEN 36-12				BROKEN 12-3	SOLID					BROKEN 12-3	SOLID					
		DETAIL 6	DETAIL 12	DETAIL 19	DETAIL 32	DETAIL 27C	DETAIL 19	DETAIL 32	DETAIL 27B	DETAIL 22	DETAIL 22M	DETAIL 37B	DETAIL 38	TYPE D	TYPE G	TYPE H		
PM to PM	FT	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	STA	
T35.66 -- T36.01	1848										3696			158			18.48	
NB-T35.66 -- T36.01	1848								1848									
T35.93 -- T35.99	317									634				32				LIVE OAK Blvd/ENCINAL Rd INTERSECTION
NB-T35.99 -- T36.01	106												106		6			
SB-T36.01 -- T35.99	106												106		6			LIVE OAK Blvd Lt TURN
NB-T36.03 -- T36.07	212								212									TO RR CROSSING
T36.03 -- T36.08	264										528			22			2.64	
T36.05 -- T36.08	160									320				18				TO RR CROSSING
NB-T36.06 -- T36.08	106												106		6			TO RR CROSSING
T36.09 -- 36.14	264									528				22				
NB-T36.08 -- 36.11	160												160		8			
T36.08 -- 36.36	1479										2958			125			14.79	
NB-T36.08 -- 36.36	1479								1510									
36.32 -- 36.37	264									528				22				
36.11 -- 36.34	1215											1215			82			
SB-36.36 -- 36.33	160												160	8				
NB-36.34 -- 36.38	30								30	60			243	4	18			KENT Ave INTERSECTION
SB-37.18 -- 36.05	5967								5967									TO RR CROSSING
SB-36.07 -- 36.05	106												106		6			TO RR CROSSING
SB-36.08 -- 36.07	53											53			4			
SB-36.04 -- 36.02	106												106		6			
SB-T36.02 -- T35.95	370					370												
SB-T35.95 -- T35.66	1532								1532									
NB-36.36 -- 37.22	4541								4571									
36.38 -- 37.22	4436										8872			374			44.36	
37.11 -- 37.19	423									906				40				CLARK Rd INTERSECTION
NB-37.19 -- 37.22	160												160	7				
NB-37.21 -- 37.25	212					212												
37.27 -- 37.36	476									952				44				
SB-37.22 -- 37.19	160												160	8				
SB-37.21 -- 37.19	106												133	6				
37.24 -- 37.93	3644										7288			308			36.44	
37.85 -- 37.93	423									906				40				CUTTING Ave INTERSECTION
NB-37.24 -- 37.93	3644								3644									
NB-37.93 -- 37.95	106					106												
SB-37.92 -- 37.90	106												106		6			
37.97 -- 38.06	476									952				44				
SUBTOTAL THIS SHEET		0	0	0	0	688	0	0	19314	5786	23342	1268	1652	1282	148	0	116.71	

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

PAVEMENT DELINEATION QUANTITIES

PDQ-1

CALCULATED-DESIGNED BY: S. CHOWDHURY
CHECKED BY: S. WOODBECK
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
REVISED BY / DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION: DATE PLOTTED => 27-APR-2010; TIME PLOTTED => 10:56; 04-06-10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	29	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — STATE OF CALIFORNIA

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

NOTE:

1. EXISTING STRIPING GAPS FOR PRIVATE DRIVEWAYS SHALL REMAIN.

PAVEMENT DELINEATION QUANTITIES

LOCATION 1 - POST MILE Sut-99	(N)	4" THERMOPLASTIC TRAFFIC STRIPE					4" THERMOPLASTIC TRAFFIC STRIPE					8" THERMOPLASTIC TRAFFIC STRIPE		PAVEMENT MARKER (RETRO-REFLECTIVE)			CENTERLINE RUMBLE STRIP (HMA, GROUND-IN INDENTATIONS)	COMMENTS
		BROKEN 36-12				BROKEN 12-3	SOLID					BROKEN 12-3	SOLID					
	LENGTH	DETAIL 6	DETAIL 12	DETAIL 19	DETAIL 32	DETAIL 27C	DETAIL 19	DETAIL 32	DETAIL 27B	DETAIL 22	DETAIL 22M	DETAIL 37B	DETAIL 38	TYPE D	TYPE G	TYPE H		
PM to PM	FT	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	STA	
37.95 -- 38.19	1268										2536			110			12.68	
SB-36.04 -- 35.98	317								317									
SB-38.42 -- 37.20	6442								6472									
38.11 -- 38.19	423									906				40				McDONALD Ave INTERSECTION
SB-38.19 -- 38.16	160												160		8			
NB-38.18 -- 38.20	106					106												
38.22 -- 38.30	423									846				40				McDONALD Ave INTERSECTION
38.20 -- 38.44	1268										2536			106			12.68	PASEO Ave INTERSECTION
38.32 -- 38.40	423									846				40				
NB-38.41 -- 38.44	160												160		8			
NB-38.43 -- 38.46	160					160												
SB-38.45 -- 38.42	160												160		8			PASEO Ave LEFT TURN
SB-38.46 -- 38.42	212												288		13			PASEO Ave RIGHT TURN
38.48 -- 38.57	476									1012				44				
38.46 -- 39.09	3327										6654			282			33.27	
NB-37.95 -- 38.18	1215								1215									
NB-38.20 -- 38.43	1215								1215									
NB-38.46 -- 39.08	3274								3274									
39.00 -- 39.09	476									1012				44				BISHOP Ave INTERSECTION
39.13 -- 39.22	476									952				44				
SB-39.35 -- 39.33	106												106		6			
SB-39.40 -- 38.43	5122								5122									
NB-39.08 -- 39.11	160					160												
NB-39.11 -- 39.34	1215								1215									
NB-39.34 -- 39.37	160					160												COLEMAN Ave INTERSECTION
NB-39.37 -- 39.40	160								160									
39.26 -- 39.35	476									952				44				
39.10 -- 39.35	1320										2640			114			13.20	
39.36 -- 39.40	212										424			20			2.12	
39.39 -- 39.40	53									106				10				
SUBTOTAL THIS SHEET		0	0	0	0	586	0	0	18990	6632	14790	0	874	938	43	0	73.95	
TOTAL - LOCATION 1 (Sut-99)		0	0	0	0	1274	0	0	38304	12418	38132	1268	2526	2220	191	0	190.66	

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

CALCULATED-DESIGNED BY: S. CHOWDHURY
CHECKED BY: S. WOODBECK
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

PAVEMENT DELINEATION QUANTITIES
PDQ-2

LAST REVISION DATE PLOTTED => 27-APR-2010
04-07-10 TIME PLOTTED => 10:56

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s128033
DGN FILE => 31F370nc002.dgn
CU 03224
EA 1F3701

NOTE:

1. EXISTING STRIPING GAPS FOR PRIVATE DRIVEWAYS SHALL REMAIN.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	30	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — STATE OF CALIFORNIA

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

PAVEMENT DELINEATION QUANTITIES

LOCATION 2 - POST MILE	(N)	4" THERMOPLASTIC TRAFFIC STRIPE					4" THERMOPLASTIC TRAFFIC STRIPE					8" THERMOPLASTIC TRAFFIC STRIPE		PAVEMENT MARKER (RETRO-REFLECTIVE)			CENTERLINE RUMBLE STRIP (HMA, GROUND-IN INDENTATIONS)	COMMENTS
		BROKEN 36-12				BROKEN 12-3	SOLID					BROKEN 12-3	SOLID					
	LENGTH	DETAIL 6	DETAIL 12	DETAIL 19	DETAIL 32	DETAIL 27C	DETAIL 19	DETAIL 32	DETAIL 27B	DETAIL 22	DETAIL 22M	DETAIL 37B	DETAIL 38	TYPE D	TYPE G	TYPE H		
PM to PM	FT	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	STA	
Sut-99																		
40.90 -- 41.40	2640				5280			5280						284				
41.43 -- 41.50	370									740				36				
NB-40.90 -- 42.13	6495								6525									
NB-41.40 -- 41.42	106												106		6			
SB-41.40 -- 41.37	160					160												
SB-41.39 -- 40.90	2588								2588									
SB-41.41 -- 41.39	106					106												NEVADA St INTERSECTION
SB-41.43 -- 41.41	106												106		6			
41.43 -- 41.51	423									876				40			4.23	
SB-41.41 -- 42.11	3696								3726									
41.51 -- 42.02	2693										5386			230			26.93	
42.02 -- 42.10	423									846				40			4.23	RIVIERA Rd INTERSECTION
42.02 -- 42.13	423									876				40				
NB-42.11 -- 42.13	106												106		6			RIVIERA Rd Rt/Lt TURN
NB-42.13 -- 42.16	160					160												
SB-42.13 -- 42.11	106					106												RIVIERA Rd INTERSECTION
SB-42.16 -- 42.14	106												106		6			RIVIERA Rd LEFT TURN
SB-42.17 -- 42.14	160												160		14			RIVIERA Rd RIGHT TURN
SB-42.40 -- 42.16	1268								1298									
42.17 -- 42.24	370									740				36			3.70	
42.15 -- 42.24	370									740				36				
42.24 -- 42.39	792										1584			70			7.92	
NB-42.16 -- 42.39	1215								1215									
TOTAL-SUTTER Co LOCATION 2		0	0	0	5280	532	0	5280	15352	4818	6970	0	584	812	38	0	47.01	
But-99																		
0.00 -- 1.18	6231	6231												132			62.31	
1.18 -- 1.22	212			212			212							6		10	2.12	
1.22 -- 1.30	423									846				40			4.23	TURNER Ave INTERSECTION
1.26 -- 1.30	212									424				18				
NB-1.28 -- 1.30	106												106		6			
NB-0.00 -- 1.30	6864								6864									
SB-2.06 -- 0.00	10877								10877									
SB-1.33 -- 1.31	106												106		6			
NB-1.30 -- 1.33	160					160												
1.32 -- 1.42	528									1056				48			5.28	
1.34 -- 1.42	423									846				40				
SUBTOTAL THIS SHEET-BUTTE Co		6231	0	212	0	160	212	0	17741	3172	0	0	212	284	12	10	73.94	

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

PAVEMENT DELINEATION QUANTITIES

PDQ-3

CALCULATED-DESIGNED BY: S. CHOWDHURY
CHECKED BY: S. WOODBECK
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED => 27-APR-2010
04-07-10 | TIME PLOTTED => 10:56

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s128033
DGN FILE => 31f370nc003.dgn

CU 03224

EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	31	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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NOTE:

1. EXISTING STRIPING GAPS FOR PRIVATE DRIVEWAYS SHALL REMAIN.

PAVEMENT DELINEATION QUANTITIES

LOCATION 2 - POST MILE	(N)	4" THERMOPLASTIC TRAFFIC STRIPE					4" THERMOPLASTIC TRAFFIC STRIPE					8" THERMOPLASTIC TRAFFIC STRIPE		PAVEMENT MARKER (RETRO-REFLECTIVE)			CENTERLINE RUMBLE STRIP (HMA, GROUND-IN INDENTATIONS)	COMMENTS
		BROKEN 36-12				BROKEN 12-3	SOLID					BROKEN 12-3	SOLID					
	LENGTH	DETAIL 6	DETAIL 12	DETAIL 19	DETAIL 32	DETAIL 27C	DETAIL 19	DETAIL 32	DETAIL 27B	DETAIL 22	DETAIL 22M	DETAIL 37B	DETAIL 38	TYPE D	TYPE G	TYPE H		
PM to PM	FT	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	STA	
But-99																		
NB-1.33 -- 2.08	3960								3990									
1.42 -- 1.46	212			212			212							5		10	2.12	
1.46 -- 1.94	2535	2535												54			25.35	
1.94 -- 2.09	792									1584				70			7.92	EVANS REIMER Rd INTERSECTION
1.98 -- 2.05	370									740				36				
NB-2.08 -- 2.12	212					212												EVANS REIMER Rd INTERSECTION
SB-2.06 -- 2.10	212					212												
SB-2.11 -- 2.10	53												53		3			EVANS REIMER Rd Rt TURN
SB-2.12 -- 2.10	106												106		6			EVANS REIMER Rd Lt TURN
SB-2.75 -- 2.10	3432								3432									
NB-2.06 -- 2.08	106												212		10			EVANS REIMER Rd Rt/Lt TURN
NB-2.12 -- 2.34	1162								1192									
2.12 -- 2.20	423									846				40				
2.10 -- 2.34	1268									2536				110			12.68	
2.28 -- 2.34	317									634				32				WRIGHT Ave INTERSECTION
NB-2.32 -- 2.34	106												106		6			
NB-2.34 -- 2.36	106					106												WRIGHT Ave INTERSECTION
2.37 -- 2.44	370									740				36				
2.35 -- 2.60	1320									2640				114			13.20	
NB-2.37 -- 2.60	1215								1215									
SB-2.37 -- 2.35	106												106		6			
2.52 -- 2.60	423									906				40				NIELSON Ave INTERSECTION
NB-2.58 -- 2.60	106												106		6			
NB-2.60 -- 2.63	160					160												
SB-2.63 -- 2.61	106												106		6			
2.62 -- 2.78	845									1690				72			8.45	
2.64 -- 2.73	476									952				44				
NB-2.75 -- 2.78	160												160		8			
2.79 -- 2.85	317									634				28				
SB-2.83 -- 2.79	212												212		10			TOWNSHIP Rd INTERSECTION
SB-2.79 -- 2.76	160					160												
NB-2.63 -- 3.09	2429								2459									
NB-3.09 -- 3.13	212					212												HOLLIS Ln INTERSECTION
2.79 -- 3.01	1162									2324				102			11.62	
2.97 -- 3.01	212									424				20				
3.01 -- 3.09	423				423			423						54				
SUBTOTAL THIS SHEET		2535	0	212	423	1062	212	423	12288	16650	0	0	1167	857	61	10	81.34	

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

PAVEMENT DELINEATION QUANTITIES

PDQ-4

REVISED BY | DATE REVISED
S. CHOWDHURY | S. WOODBECK
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION 04-07-10 | DATE PLOTTED => 27-APR-2010 | TIME PLOTTED => 10:56

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s128033 | DGN FILE => 31f370nc004.dgn | CU 03224 | EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	32	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — STATE OF CALIFORNIA

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

NOTE:

1. EXISTING STRIPING GAPS FOR PRIVATE DRIVEWAYS SHALL REMAIN.

PAVEMENT DELINEATION QUANTITIES

LOCATION 2 - POST MILE	(N)	4" THERMOPLASTIC TRAFFIC STRIPE					4" THERMOPLASTIC TRAFFIC STRIPE					8" THERMOPLASTIC TRAFFIC STRIPE		PAVEMENT MARKER (RETRO-REFLECTIVE)			CENTERLINE RUMBLE STRIP (HMA, GROUND-IN INDENTATIONS)	COMMENTS
		BROKEN 36-12				BROKEN 12-3	SOLID					BROKEN 12-3	SOLID					
	LENGTH	DETAIL 6	DETAIL 12	DETAIL 19	DETAIL 32	DETAIL 27C	DETAIL 19	DETAIL 32	DETAIL 27B	DETAIL 22	DETAIL 22M	DETAIL 37B	DETAIL 38	TYPE D	TYPE G	TYPE H		
PM to PM	FT	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	STA	
But-99																		
NB-3.08 -- 3.09	53												53		3			
NB-3.09 -- 3.12	160					160												
NB-3.12 -- 3.13	53												53		3			W. LIBERTY Rd-Lt TURN
SB-3.11 -- 3.10	53												53		3			W. LIBERTY Rd-Lt TURN
SB-3.10 -- 2.79	1637								1667									
SB-3.13 -- 3.10	160					160												
SB-3.19 -- 3.13	317												357		15			W. LIBERTY Rd-Rt TURN
3.10 -- 3.13	160									320				18				
3.15 -- 3.24	476				476			476						47				
NB-3.21 -- 3.24	160		160												5			
NB-3.26 -- 3.49	1215		1215												27			
NB-3.13 -- 3.24	581								581									
NB-3.24 -- 3.27	160					160												SHELDON Ave INTERSECTION
NB-3.27 -- 3.50	1215								1215									
3.27 -- 3.49	1162				1162			1162						132				
3.25 -- 3.27	160									320				18				
SB-3.28 -- 3.19	264											264						
SB-3.50 -- 3.14	1901								1901									
SB-3.50 -- 3.28	1162		1162												25			
SB-3.27 -- 3.25	106												106		12			SHELDON Ave Lt TURN
SUBTOTAL THIS SHEET		0	2537	0	1638	480	0	1638	5364	640	0	264	622	215	93	0	0	
TOTAL-LOCATION 2-Sut-99		0	0	0	5280	532	0	5280	15352	4818	6970	0	584	812	38	0	47.01	
TOTAL-LOCATION 2-But-99		8766	2537	424	2061	1702	424	2061	35393	20462	0	264	2001	1356	166	20	155.28	
TOTAL-LOCATION 2		8766	2537	424	7341	2234	424	7341	50745	25280	6970	264	2585	2168	204	20	202.29	

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

PAVEMENT DELINEATION QUANTITIES

PDQ-5

CALCULATED-DESIGNED BY: S. CHOWDHURY
CHECKED BY: S. WOODBECK
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

LAST REVISION 04-07-10
DATE PLOTTED => 27-APR-2010
TIME PLOTTED => 10:56

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s128033
DGN FILE => 31f370nc005.dgn
CU 03224
EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	33	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — STATE OF CALIFORNIA

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

NOTE:

1. EXISTING STRIPING GAPS FOR PRIVATE DRIVEWAYS SHALL REMAIN.

PAVEMENT DELINEATION QUANTITIES

LOCATION 3 - BUTTE COUNTY POST MILE	(N)	4" THERMOPLASTIC TRAFFIC STRIPE					4" THERMOPLASTIC TRAFFIC STRIPE					8" THERMOPLASTIC TRAFFIC STRIPE		PAVEMENT MARKER (RETRO-REFLECTIVE)			CENTERLINE RUMBLE STRIP (HMA, GROUND-IN INDENTATIONS)	COMMENTS
		BROKEN 36-12				BROKEN 12-3	SOLID					BROKEN 12-3	SOLID					
	LENGTH	DETAIL 6	DETAIL 12	DETAIL 19	DETAIL 32	DETAIL 27C	DETAIL 19	DETAIL 32	DETAIL 27B	DETAIL 22	DETAIL 22M	DETAIL 37B	DETAIL 38	TYPE D	TYPE G	TYPE H		
PM to PM	FT	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	STA	
NB-4.85 -- 4.88	160					160												
SB-4.87 -- 4.85	106												106		6			CHICO SAN Dr-Lt TURN
4.85 -- 4.96	581									1162				54				
4.85 -- 5.14	1532									3064				132			15.32	
NB-4.85 -- 5.14	1532								1532									
5.03 -- 5.12	476									952				44				
NB-5.12 -- 5.14	106												106		6			ORD RANCH Rd-Rt TURN
NB-5.13 -- 5.14	53												53		4			CEMETERY-Lt TURN
NB-5.14 -- 5.17	160					160												
SB-5.16 -- 5.15	53												53		4			ORD RANCH Rd-Lt TURN
NB-5.17 -- 6.14	5122								5122									
5.15 -- 5.20	264									528				26			2.64	
NB-5.18 -- 5.21	160												160		8			
5.22 -- 5.33	581									1162				54				
5.22 -- 5.38	845									1690				76			8.45	
5.38 -- 6.02	3380	3380												73			33.80	
6.06 -- 6.15	476									952				44				SOUTH Ave INTERSECTION
NB-6.14 -- 6.18	212					212												
SB-6.17 -- 6.15	106												106		6			SOUTH Ave Lt TURN
6.02 -- 6.15	687									1374				62			6.33	NO RUMBLE STRIP ACROSS 54' PCC Br #12-0002 DECK
NB-6.24 -- 6.26	106												106		6			PRYDE Ave Lt TURN
6.16 -- 6.26	528									1056				48			5.28	PRYDE Ave INTERSECTION
6.18 -- 6.24	317									634				32				
SB-6.27 -- 6.24	160					160												
6.28 -- 6.36	423									846				40				
6.28 -- 6.52	1268									2536				110			12.68	
6.41 -- 6.49	423									846				40				
NB-6.50 -- 6.52	106												106		6			HASTINGS Ave Lt TURN
SB-6.52 -- 6.49	160					160												
SB-6.49 -- 6.29	1056								1086									
SB-6.29 -- 6.27	106												106		6			PRYDE Ave Rt TURN
SB-6.24 -- 4.85	7340								7340									
6.53 -- 6.64	581									1162				54			5.81	DRAKE Ave INTERSECTION
NB-6.62 -- 6.64	106												106		6			DRAKE Ave-Rt TURN
NB-6.64 -- 6.67	160					160												
SB-6.67 -- 6.65	106												106		6			
SB-6.52 -- 6.49	160					160												
SB-6.54 -- 6.52	106												106		6			HASTINGS Ave Rt TURN
NB-6.18 -- 6.64	2429								2459									
NB-6.67 -- 6.89	1162								1192									
6.68 -- 6.77	476									952				44				
6.66 -- 6.89	1215									2430				106			12.15	
6.87 -- 6.89	106									212				14				PERRY Ave INTERSECTION
SUBTOTAL THIS SHEET		3380	0	0	0	1172	0	0	18731	21558	0	0	1220	1053	70	0	102.46	

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

PAVEMENT DELINEATION QUANTITIES
PDQ-6

REVISED BY | DATE REVISED
S. CHOWDHURY | S. WOODBECK
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Gates

LAST REVISION 04-07-10
DATE PLOTTED => 27-APR-2010
TIME PLOTTED => 10:56

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s128033
DGN FILE => 31f370nc006.dgn
CU 03224
EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	34	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — STATE OF CALIFORNIA

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

NOTE:

1. EXISTING STRIPING GAPS FOR PRIVATE DRIVEWAYS SHALL REMAIN.

PAVEMENT DELINEATION QUANTITIES

LOCATION 3 - BUTTE COUNTY POST MILE	(N) LENGTH	4" THERMOPLASTIC TRAFFIC STRIPE					4" THERMOPLASTIC TRAFFIC STRIPE					8" THERMOPLASTIC TRAFFIC STRIPE		PAVEMENT MARKER (RETRO-REFLECTIVE)			CENTERLINE RUMBLE STRIP (HMA, GROUND-IN INDENTATIONS)	COMMENTS
		BROKEN 36-12				BROKEN 12-3	SOLID					BROKEN 12-3	SOLID					
		DETAIL 6	DETAIL 12	DETAIL 19	DETAIL 32	DETAIL 27C	DETAIL 19	DETAIL 32	DETAIL 27B	DETAIL 22	DETAIL 22M	DETAIL 37B	DETAIL 38	TYPE D	TYPE G	TYPE H		
PM to PM	FT	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	STA	
SB-7.28 -- 6.53	3960								3960									
NB-6.88 -- 6.89	53												53		4			PRYDE Ave Rt TURN
NB-6.89 -- 6.92	160					160												
6.91 -- 6.94	160									320				18			1.60	
NB-6.92 -- 7.70	4119								4119									
SB-6.66 -- 6.64	106												106		6			DRAKE Ave-Lt TURN
SB-6.92 -- 6.90	106												106		6			
6.94 -- 6.99	264				264			264						36				
SB-7.04 -- 7.03	53												53		4			CHATFIELD Ave Rt TURN
NB-7.00 -- 7.02	106												106		6			CHATFIELD Ave Lt TURN
SB-7.04 -- 7.03	160					160												
7.03 -- 7.27	1268									2536				110			12.68	
NB-7.25 -- 7.27	106												106		6			DAKOTA Ave Lt TURN
7.03 -- 7.07	212									424				22				
7.16 -- 7.24	423									846				40				
7.29 -- 7.37	423									846				40				
7.29 -- 7.70	2165									4330				186			21.65	
SB-7.70 -- 7.28	2218								2218									
SB-7.28 -- 7.25	160					160												
SB-7.30 -- 7.28	106												106		6			DAKOTA Ave Rt TURN
NB-7.67 -- 7.70	160												160		8			BIGGS EAST Hwy Rt TURN
NB-7.68 -- 7.70	106												106		6			B St Lt TURN
7.58 -- 7.67	476									952				44				
SB-7.73 -- 7.71	106												106		6			BIGGS EAST Hwy Lt TURN
SB-7.74 -- 7.71	160												160		8			B St Rt TURN
NB-7.71 -- 8.40	3644								3684									
7.73 -- 7.81	423									846				40				
7.72 -- 7.83	581									1162				54			5.81	
7.83 -- 7.87	212			212			212							6		10	2.12	
7.87 -- 8.21	1796	1796												39			17.96	
8.21 -- 8.24	160			160			160							5		8	1.60	
8.24 -- 8.31	370									740				36				
8.24 -- 8.40	845									1690				76			8.45	
NB-8.40 -- 8.42	106					106												RIO BONITO Rd INTERSECTION
NB-8.33 -- 8.40	370												370		17			RIO BONITO Rd Lt TURN
NB-8.37 -- 8.40	160												160		8			RIO BONITO Rd Rt TURN
SB-8.39 -- 7.71	3696								3696									
SB-8.41 -- 8.39	106					106									6			
SB-8.43 -- 8.41	106												106		6			RIO BONITO Rd Rt TURN
SB-8.47 -- 8.41	317								317				317		15			RIO BONITO Rd Lt TURN
8.41 -- 8.47	317									634				32			3.17	
SUBTOTAL THIS SHEET		1796	0	372	264	692	372	264	17994	15326	0	0	2121	784	118	18	75.04	
TOTAL - LOCATION 1		0	0	0	0	1274	0	0	38304	12418	38132	1268	2526	2220	191	0	190.66	
TOTAL - LOCATION 2		8766	2537	424	7341	2234	424	7341	50745	25280	6970	264	2585	2168	204	20	202.29	
TOTAL - LOCATION 3		5176	0	372	264	1864	372	264	36725	36724	0	0	3341	1837	188	18	177.50	
TOTAL - ALL LOCATIONS		13942	2537	796	7605	5372	796	7605	125774	74422	45102	1532	8452	6225	583	38	570.45	
GRAND TOTALS		24880				5372	253699					1532	8452	6846			570.45	

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

PAVEMENT DELINEATION QUANTITIES

PDQ-7

REVISED BY | DATE REVISED
S. CHOWDHURY | S. WOODBECK
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

LAST REVISION: DATE PLOTTED => 27-APR-2010 TIME PLOTTED => 10:56 04-07-10

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s128033 DGN FILE => 31f370nc007.dgn | CU 03224 | EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	35	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — STATE OF CALIFORNIA

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

PAVEMENT MARKINGS

LOCATION 1 - POST MILE Sut-99	THERMOPLASTIC PAVEMENT MARKING												
	ARROWS					WORDS			RR CROSSING SYMBOL	LIMIT LINE AND CROSSWALK	8" DIAGONAL LINES	24" TRANSVERSE LINES	COMMENTS
	TYPE II (Lt)	TYPE III (Lt)	TYPE III (Rt)	TYPE V	TYPE VI	"STOP"	"SIGNAL"	"AHEAD"					
	SQFT					SQFT			SQFT				
NB-T35.60				33									
SB-T35.60				33									
NB-T35.97									70			60	
SB-T35.97						22				34			ENCINAL Rd
SB-T35.99		42											
NB-T35.99		42											ADDITIONAL SYMBOL
SB-T36.01		42											
NB-T36.01		42											
NB-T36.02	45		42			44				40			ON LIVE OAK Blvd
NB-T36.03 -- T36.05											107		LIVE OAK Blvd
NB-T36.05									70			60	ADDITIONAL SYMBOL
NB-T36.06										104			RR CROSSING LIMIT LINE
NB-36.34			42										ADDITIONAL SYMBOL
NB-36.36			42										INTERSECTION - Rt
NB-36.38						22				24			
SB-36.14 -- 36.07											323		RR CROSSING
SB-36.34		42											
SB-36.36		42											ADDITIONAL SYMBOL
SB-36.31 -- 36.30									70			60	
SB-T36.06										96			RR CROSSING LIMIT LINE
SB-T36.03					42								
SB-T36.02					42								
SB-T36.01		42											
NB-37.20		42											ADDITIONAL SYMBOL
NB-37.22		42											
NB-37.23						22				31			CLARK Rd INTERSECTION
SB-37.22		42	42										ADDITIONAL SYMBOLS
SB-37.21			42										
SB-37.20		42											
SB-37.19						22				29			CLARK Rd INTERSECTION
SB-37.91		42											
SB-37.92		42											ADDITIONAL SYMBOL
NB-37.95						22				29			CUTTING Ave INTERSECTION
SB-38.17		42											
SB-38.19		42											ADDITIONAL SYMBOL
NB-38.19						22				33			McDONALD Ave INTERSECTION
NB-38.43		42											
SB-38.42						22				28			PASEO Ave INTERSECTION
NB-38.41		42											ADDITIONAL SYMBOL
SB-38.43		42	42							50			FOR RR CROSSING ON PASEO
SB-38.45		42											ADDITIONAL SYMBOL
NB-38.45						22				27			PASEO Ave INTERSECTION
SB-38.46			42										ADDITIONAL SYMBOL
SB-39.07		42											BISHOP Ave INTERSECTION
SB-39.09		42											ADDITIONAL SYMBOL
NB-39.10						22				31			BISHOP Ave INTERSECTION
SB-39.34		42											
SB-39.35		42											ADDITIONAL SYMBOL
NB-39.35						22				31			COLEMAN Ave INTERSECTION
TOTAL - LOCATION 1	45	966	294	66	84	264	0	0	210	587	430	180	

PAVEMENT DELINEATION QUANTITIES

PDQ-8

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: S. CHOWDHURY
CHECKED BY: S. WOODBECK

FUNCTIONAL SUPERVISOR: FERMIN BARRIGA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

LAST REVISION 04-08-10
DATE PLOTTED => 27-APR-2010
TIME PLOTTED => 10:56

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s128033
DGN FILE => 31f370nc008.dgn

CU 03224

EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	36	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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PAVEMENT MARKINGS

LOCATION 2 - POST MILE	THERMOPLASTIC PAVEMENT MARKING												COMMENTS
	ARROWS					WORDS			RR CROSSING SYMBOL	LIMIT LINE AND CROSSWALK	8" DIAGONAL LINES	24" TRANSVERSE LINES	
	TYPE II (Lt)	TYPE III (Lt)	TYPE III (Rt)	TYPE V	TYPE VI	"STOP"	"SIGNAL"	"AHEAD"					
	SQFT					SQFT			SQFT				
Sut-99													
41.09		42	42										TWO-WAY LEFT TURN LANE
41.32		42	42										TWO-WAY LEFT TURN LANE
NB-41.41		42											
SB-41.41						44				35			NEVADA St INTERSECTION
SB-41.42			42										
NB-42.11		42	42										ADDITIONAL SYMBOLS
NB-42.12		42	42										RIVIERA Rd INTERSECTION
NB-42.14						22				30			
SB-42.13						44			70	34		50	RR CROSSING ON RIVIERA Rd
SB-42.14		42	42										RIVIERA Rd INTERSECTION
SB-42.15		42											ADDITIONAL SYMBOL
SB-42.16			42										ADDITIONAL SYMBOL
TOTAL-SUTTER Co LOCATION 2	0	294	294	0	0	110	0	0	70	99	0	50	
But-99													
NB-1.29			42										TURNER Ave INTERSECTION
SB-1.32		42											
SB-1.33		42											ADDITIONAL SYMBOL
NB-1.31						44				34			TURNER Ave INTERSECTION
NB-2.06		42	42										ADDITIONAL SYMBOLS
NB-2.08		42	42										
NB-2.09						44				40			EVANS REIMER Rd INTERSECTION
SB-2.09						44				38			
SB-2.10		42	42										
SB-2.12		42											ADDITIONAL SYMBOL
NB-2.32			42										ADDITIONAL SYMBOL
NB-2.33			42										WRIGHT Ave INTERSECTION
NB-2.34						22				32			
SB-2.36		42											WRIGHT Ave INTERSECTION
SB-2.37		42											ADDITIONAL SYMBOL
NB-2.59			42										NIELSON Ave INTERSECTION
NB-2.61						22				35			
SB-2.62		42											NIELSON Ave INTERSECTION
SB-2.63		42											ADDITIONAL SYMBOL
NB-2.77		42											TOWNSHIP Rd INTERSECTION
NB-2.75		42											ADDITIONAL SYMBOL
SB-2.78						44				50			
SB-2.79									70			92	FOR RR CROSSING ON TOWNSHIP Rd
SB-2.80			42										TOWNSHIP Rd INTERSECTION
SB-2.82			42										
SUBTOTAL THIS SHEET-BUTTE Co	0	504	378	0	0	220	0	0	70	229	0	92	

PAVEMENT DELINEATION QUANTITIES

PDQ-9

REVISED BY | DATE REVISED
S. CHOWDHURY | S. WOODBECK
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

LAST REVISION | DATE PLOTTED => 27-APR-2010
04-08-10 | TIME PLOTTED => 10:56

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s128033 | DGN FILE => 31f370nc009.dgn | CU 03224 | EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	37	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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PAVEMENT MARKINGS

LOCATION 2 - POST MILE	THERMOPLASTIC PAVEMENT MARKING												COMMENTS
	ARROWS					WORDS			RR CROSSING SYMBOL	LIMIT LINE AND CROSSWALK	8" DIAGONAL LINES	24" TRANSVERSE LINES	
	TYPE II (L+)	TYPE III (L+)	TYPE III (R+)	TYPE V	TYPE VI	"STOP"	"SIGNAL"	"AHEAD"					
	SQFT					SQFT			SQFT				
But-99													
NB-3.09			42										
NB-3.10						44				42			HOLLIS Ln INTERSECTION
SB-3.10		42											
SB-3.13						44				37			W LIBERTY Rd INTERSECTION
NB-3.13		42											W LIBERTY Rd L+ TURN
SB-3.14									70			70	FOR RR CROSSING ON W LIBERTY
SB-3.15			42	33									
SB-3.18			42	33									
NB-3.23				66									ONE MARKING PER NB LANE
SB-3.21			42										W LIBERTY Rd R+ TURN
SB-3.23			42										
SB-3.26		42											
NB-3.25						22				26			SHELDON Ave INTERSECTION
SB-3.25			42										
SUBTOTAL LOCATION 2 (THIS Sht)	0	126	252	132	0	110	0	0	70	105	0	70	
TOTAL-SUTTER Co-LOCATION 2	0	294	294	0	0	110	0	0	70	99	0	50	
TOTAL-BUTTE Co-LOCATION 2	0	630	630	132	0	330	0	0	140	334	0	162	
TOTAL - LOCATION 2	0	924	924	132	0	440	0	0	210	433	0	212	
LOCATION 3 - POST MILE													
But-99													
NB-4.86 -- 4.89											97		CHICO SAN Dr
SB-4.85		42											CHICO SAN Dr Lt TURN
SB-4.87		42											ADDITIONAL SYMBOL
NB-5.13		42	42										ORD RANCH Rd INTERSECTION
NB-5.15						44				41			ORD RANCH Rd INTERSECTION
SB-5.15		42											
NB-5.19		42											ADDITIONAL SYMBOL
NB-5.20		42											NORTH CEMETERY ENTRANCE
NB-6.16						44				38			SOUTH Ave INTERSECTION
SB-6.16		42											
SB-6.18		42											ADDITIONAL SYMBOL
NB-6.24		42											ADDITIONAL SYMBOL
NB-6.26		42											PRYDE Ave Lt TURN
SB-6.26						44				43			PRYDE Ave INTERSECTION
SB-6.28			42										PRYDE Ave Rt TURN
NB-6.50		42											ADDITIONAL SYMBOL
NB-6.51		42											HASTINGS Ave Lt TURN
SB-6.52						44				46			HASTINGS Ave INTERSECTION
SB-6.53			42										HASTINGS Ave Rt TURN
NB-6.63			42										DRAKE Ave INTERSECTION
NB-6.65						44				42			DRAKE Ave INTERSECTION
SB-6.65		42											
SB-6.66		42											ADDITIONAL SYMBOL
NB-6.89			42										PERRY Ave Rt TURN
NB-6.89						44				41			PERRY Ave INTERSECTION
SB-6.91		42											PERRY Ave Lt TURN
SB-6.92		42											ADDITIONAL SYMBOL
SUBTOTAL LOCATION 3 (THIS Sht)	0	672	210	0	0	264	0	0	0	251	97	0	

PAVEMENT DELINEATION QUANTITIES

PDQ-10

CALCULATED-DESIGNED BY: S. CHOWDHURY
CHECKED BY: S. WOODBECK
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

REVISED BY | DATE REVISED

LAST REVISION 04-08-10
DATE PLOTTED => 27-APR-2010
TIME PLOTTED => 10:56

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s128033
DGN FILE => 31f370nc010.dgn
CU 03224
EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	38	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — STATE OF CALIFORNIA

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

PAVEMENT MARKINGS

LOCATION 3 - POST MILE But-99	THERMOPLASTIC PAVEMENT MARKING												
	ARROWS					WORDS			RR CROSSING SYMBOL	LIMIT LINE AND CROSSWALK	8" DIAGONAL LINES	24" TRANSVERSE LINES	COMMENTS
	TYPE II (Lt)	TYPE III (Lt)	TYPE III (Rt)	TYPE V	TYPE VI	"STOP"	"SIGNAL"	"AHEAD"					
	SQFT					SQFT			SQFT				
NB-7.00		42											ADDITIONAL SYMBOL
NB-7.02		42											CHATFIELD Ave Lt TURN
SB-7.02						44				45			CHATFIELD Ave INTERSECTION
SB-7.04			42										CHATFIELD Ave Rt TURN
NB-7.25		42											ADDITIONAL SYMBOL
NB-7.27		42											DAKOTA Ave Lt TURN
SB-7.27						44				47			DAKOTA Ave INTERSECTION
SB-7.29			42										
SB-7.30			42										ADDITIONAL SYMBOL
NB-7.54							32						
NB-7.55								31					
NB-7.67		42	42										ADDITIONAL SYMBOL (Lt)
NB-7.69		42	42	33									BIGGS EAST Hwy
NB-7.70										42			
SB-7.70						22				46			BIGGS Hwy INTERSECTION
NB-7.71						22				23			BIGGS Hwy INTERSECTION
SB-7.71		42	42	33						30			BIGGS Hwy INTERSECTION
SB-7.73			42										
SB-7.74		42											ADDITIONAL SYMBOL
SB-7.85								31					
SB-7.86							32						
NB-8.33		42											
NB-8.37			42										
NB-8.40		42	42										
SB-8.40						22				31			
NB-8.41						22				34			RIO BONITO Rd INTERSECTION
SB-8.41		42	42										
SB-8.43			42										
SB-8.46		42											
SUBTOTAL THIS SHEET	0	504	462	66	0	176	64	62	0	298	0	0	
TOTAL - LOCATION 1	45	966	294	66	84	264	0	0	210	587	430	180	
TOTAL - LOCATION 2	0	924	924	132	0	440	0	0	210	433	0	212	
TOTAL - LOCATION 3	0	1176	672	66	0	440	64	62	0	549	97	0	
TOTAL - ALL LOCATIONS	45	3066	1890	264	84	1144	64	62	420	1569	527	392	
GRAND TOTAL	9527												

PAVEMENT DELINEATION QUANTITIES

PDQ-11

REVISED BY: S. CHOWDHURY
DATE REVISED:
CALCULATED-DESIGNED BY: S. WOODBECK
CHECKED BY:
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

LAST REVISION 04-08-10
DATE PLOTTED => 27-APR-2010
TIME PLOTTED => 10:57

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s128033
DGN FILE => 31f370nc011.dgn
CU 03224
EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	39	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

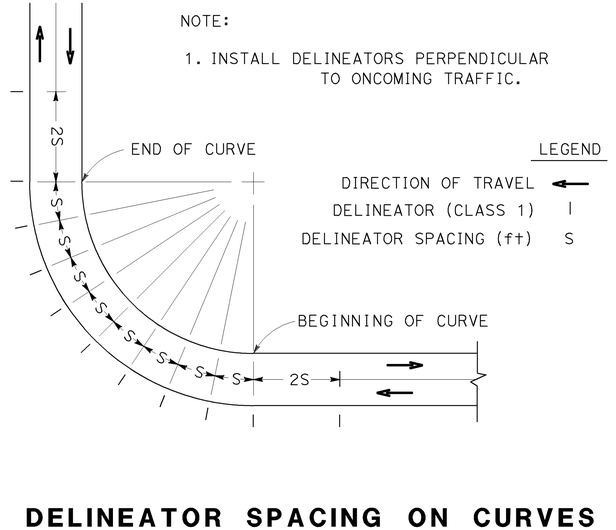
REGISTERED PROFESSIONAL ENGINEER — SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — STATE OF CALIFORNIA

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

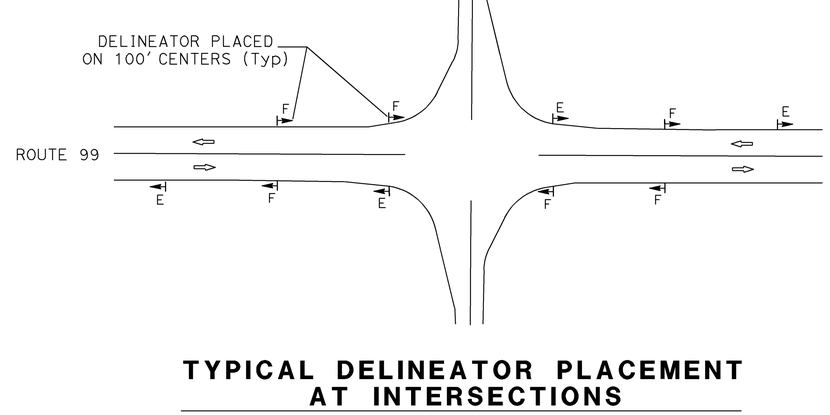
COUNTY	POST MILE	LOCATION 1	DELINEATOR (CLASS 1) TYPE E (EA)	DELINEATOR (CLASS 1) TYPE F (EA)	DELINEATOR SPACING (FT)
Sut	PM T35.66 TO PM T36.155	ON CURVE FNBT	13		90
		ON CURVE FSBT	17		100
	PM T35.96	ENCINAL Rd	2	3	
	PM T35.96	LIVE OAK Blvd	2	3	
	PM 36.32	KENT Ave	2	3	
	PM 37.17	CLARK Rd	4	6	
	PM 37.87	CUTTING Ave	2	3	
	PM 38.132	MC DONALD Ave	2	3	
	PM 38.40	PASEO Ave	4	6	
	PM 39.05	BISHOP Ave	2	3	
	PM 39.315	COLEMAN Ave	2	3	
SUB TOTAL IN LOCATION 1			52	33	

COUNTY	POST MILE	LOCATION 2	DELINEATOR (CLASS 1) TYPE E (EA)	DELINEATOR (CLASS 1) TYPE F (EA)	DELINEATOR SPACING (FT)
Sut	PM 40.90 TO PM 40.93 FNBT		3		90
	PM 41.39 TO PM 41.54 FSBT		6		160
	PM 41.40	NEVADA St NORTH	2	3	
	PM 42.135	RIVIERA Rd	4	6	
But	PM 01.29	TURNER Ave	2	3	
	PM 02.09	EVANS-REIMER Rd	4	6	
	PM 02.336	WRIGHT Ave	2	3	
	PM 02.60	NIELSON Ave	2	3	
	PM 02.79	TOWNSHIP Rd	2	3	
	PM 03.115	HOLLIS LANE	2	3	
	PM 03.13	W. LIBERTY Rd	2	3	
	PM 03.246	SHELDON Ave	2	3	
	PM 03.495	OBERMEYER Dr	2	3	
SUB TOTAL IN LOCATION 2			35	39	

COUNTY	POST MILE	LOCATION 3	DELINEATOR (CLASS 1) TYPE E (EA)	DELINEATOR (CLASS 1) TYPE F (EA)
But	PM 05.137	ORD RANCH Rd	2	3
	PM 05.992	CHINAMAN Dr	2	3
	PM 06.145	SOUTH Ave	2	3
	PM 06.262	PRYDE Ave	2	3
	PM 06.525	HASTINGS Ave	2	3
	PM 06.640	DRAKE Ave	2	3
	PM 06.880	PERRY Ave	2	3
	PM 07.015	CHATFIELD Ave	2	3
	PM 07.27	DAKOTA Ave	2	3
	PM 07.69	BIGGS EAST Hwy	4	6
	PM 08.39	RIO BONITO Rd	4	6
SUB TOTAL IN LOCATION 3			26	39
SUB TOTAL IN LOCATION 2			35	39
SUB TOTAL IN LOCATION 1			52	33
TOTAL			113	111
GRAND TOTAL			224	



DELINEATOR SPACING ON CURVES



TYPICAL DELINEATOR PLACEMENT AT INTERSECTIONS

NO SCALE

PAVEMENT DELINEATION QUANTITIES

PDQ-12

REVISED BY | DATE REVISED
SALAHUDDIN CHOWDHURY | S. WOODBECK
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

LAST REVISION | DATE PLOTTED => 27-APR-2010
04-14-10 | TIME PLOTTED => 10:57

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	40	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

4-26-10
PLANS APPROVAL DATE

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

NOTE:

1. SEE STANDARD PLANS, CONSTRUCTION DETAILS, AND TYPICAL CROSS SECTION FOR MORE INFORMATION AND DETAILS.
2. SEE PDQ SHEETS FOR CENTERLINE RUMBLE STRIP (HMA, GROUND-IN IDENTATIONS) QUANTITIES.

ROADWAY QUANTITIES

LOCATION/POST MILE	HOT MIX ASPHALT (TYPE A)	RUBBERIZED WARM MIX ASPHALT (OPEN GRADED)	COLD PLANE AC PAVEMENT	SHOULDER RUMBLE STRIP (HMA, GROUND-IN IDENTATIONS)	CRACK TREATMENT	TACK COAT	REMOVE AC DIKE	IMPORTED MATERIAL (SHOULDER BACKING)	REPLACE ASPHALT CONCRETE SURFACING	REMARKS
	TON	TON	SQYD	STA	LNMI	TON	LF	TON	CY	
LOCATION 1: Sut-99 PM T35.66 TO PM 39.4	19,100	6,241	73,551	389.40	7.5	35.3	410	2,783	864	REPLACE AC SURFACING (DIGOUTS) IS ASSUMED 10% OF TOTAL HMA-A AREA.
LOCATION 2: Sut-99 PM 40.9 TO PM 42.4 But-99 PM 0.0 TO PM R3.5	26,668	8,883	98,256	522.19	10.0	49.3		3,712	1,809	REPLACE AC SURFACING (DIGOUTS) IS ASSUMED 15% OF TOTAL HMA-A AREA.
LOCATION 3: But-99 PM 4.9 TO PM 8.457	18,764	6,154	75,659	370.00	7.2	34.7		2,634	1,477	REPLACE AC SURFACING (DIGOUTS) IS ASSUMED 15% OF TOTAL HMA-A AREA. SEE SHEET (C-3) FOR REPLACE AC SURFACING AT ROUTE 99/BIGGS E. Hwy.
GRAND TOTAL	**64,532**	**21,278**	**247,466**	**1,281.59**	**24.7**	**119.3**	**410**	**9,129**	**4,150**	

LOCATION 1:
SUT-99 PM T35.66 TO PM 39.4

POST MILE	DESCRIPTION
PM T35.66	BEGIN CONSTRUCTION (CONFORM WITH PCC Pvmt)
PM T35.96	ENCINAL Rd/LIVE OAK Blvd
PM T36.031	LOMO RR XING (UNION PACIFIC RAILROAD)
PM T36.155	EQUATES TO PM 36.286
PM 36.32	KENT Ave- Rt
PM 37.17	CLARK RD
PM 37.87	CUTTING AVE- RT
PM 38.132	MC DONALD Ave - Rt
PM 38.40	PASEO Ave
PM 39.05	BISHOP Ave- Rt
PM 39.315	COLEMAN Ave- Rt
PM 39.40	CONFORM WITH Exist Pvmt (MBGR END AT SB)

LOCATION 2:
Sut-99 PM 40.9 TO PM 42.4
But-99 PM 0.0 TO PM R3.5

POST MILE	DESCRIPTION
PM 40.90	BEGIN CONSTRUCTION (CONFORM WITH EXIST Pvmt)
PM 41.40	NEVADA St NORTH- Lt
PM 42.135	RIVIERA Rd
PM 42.389	But PM 0.0- Sut/But COUNTY LINE
PM 00.01	LINE CANAL (Br No. 12-0102)
PM 01.29	TURNER Ave- Rt
PM 02.09	EVANS-REIMER Rd
PM 02.336	WRIGHT Ave- Rt
PM 02.60	NIELSON Ave- Rt
PM 02.79	TOWNSHIP Rd- Lt
PM R03.115	HOLLIS LANE- Rt
PM R03.13	W. LIBERTY Rd- Lt
PM R03.246	SHELDON Ave- Rt
PM R03.495	OBERMEYER Dr- Rt
PM R03.50	END CONSTRUCTION (CONFORM WITH Exist Pvmt)

LOCATION 3:
But-99 PM 4.9 TO PM 8.457

POST MILE	DESCRIPTION
PM 04.90	BEGIN CONSTRUCTION (CONFORM WITH Exist Pvmt)
PM 05.137	ORD RANCH Rd- Rt
PM 05.34	CAT TAIL SLOUGH (Br No. 12-0001)
PM 05.992	CHINAMAN Dr- Lt
PM 06.11	DRAINAGE DITCH (Br No. 12-0002)
PM 06.145	SOUTH Ave- Rt
PM 06.262	PRYDE Ave- Lt
PM 06.525	HASTINGS Ave- Lt
PM 06.640	DRAKE Ave- Rt
PM 06.880	PERRY Ave- Rt
PM 07.015	CHATFIELD Ave- Lt
PM 07.27	DAKOTA Ave- Lt
PM 07.69	B St- Lt/ BIGGS EAST Hwy- Rt
PM 08.21	HAMILTON SLOUGH (BR 12-0003)
PM 08.39	RIO BONITO Rd
PM 08.467	END CONSTRUCTION (CONFORM WITH Exist Pvmt)

SUMMARY OF QUANTITIES

Q-1

REVISED BY | DATE REVISED
S. CHOWDHURY | S. WOODBECK
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION | DATE PLOTTED => 27-APR-2010
04-08-10 | TIME PLOTTED => 10:57

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s128033 | DGN FILE => 31f370pa001.dgn | CU 03224 | EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But,Sut	99	Var	41	63

Salahuddin Chowdhury 4-23-10
REGISTERED CIVIL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SALAHUDDIN CHOWDHURY No. 75140 Exp. 12-31-11 CIVIL — STATE OF CALIFORNIA

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

NOTE:

1. SEE STANDARD PLANS, CONSTRUCTION DETAILS, AND STAGE CONSTRUCTION DETAILS FOR ADDITIONAL DETAILS.

ALTERNATIVE TERMINAL SYSTEMS

FLARED TERMINAL SYSTEMS	IN-LINE TERMINAL SYSTEMS
TYPE SRT	TYPE ET
TYPE FLEAT	TYPE SKT

Beg PM	END PM	DIRECTION	SHOULDER WIDTH (FT)	LENGTHS (LF)	RECONSTRUCT MBGR (LF)	REMOVE MBGR (LF)	MBGR (WOOD POST) (LF)	WEED CONTROL MAT (FIBER) (SQYD)	TRANSITION RAILING (TYPE WB) (EA)	EXISTING BRIDGE BARRIER RAIL TYPE (N)	MINOR CONCRETE (MINOR STRUCTURE) (CY)	END CAP (TYPE A) (EA)	END CAP (TYPE TC)(N) (EA)	END ANCHOR ASSEMBLY (TYPE SFT) (EA)	ALTERNATIVE FLARED TERMINAL SYSTEM (EA)	REMOVE CONCRETE (CY)	OBJECT MARKER (TYPE L-1) (EA)	RESET MARKER (EA)	ROADSIDE SIGN (ONE POST) (EA)	GUARD RAILING LAYOUT TYPE	COMMENTS
LOCATION 1, Sut PM T35.6/39.4:																			1		W10-1 SIGN (36" D) AT NB BETWEEN RR CROSSING AND LIVE OAK Blvd
T35.96	T35.98	N	8	87.5	50.0	37.5		53.8						1	1		1			11B	REMOVE Exist TERMINAL SYSTEM
T36.09	T36.11	N	8	87.5	50.0	37.5		0.0							1		1			11E	REMOVE Exist TERMINAL SYSTEM
T36.14	36.30	N	8	162.5	125.0	37.5		0.0							1		1			11E	REMOVE Exist TERMINAL SYSTEM
T36.12	T36.14	S	8	75.0		75.0	50.0	53.8						1	1		1			11B	
38.31	38.33	N	8	87.5		87.5	87.5	45.4						2			1			*	*MAINTAIN Exist LAYOUT. ONE R=15′ CONVEX SHOP-BENT RAIL NEEDED
LOCATION 2, PM Sut,But 40.9/42.4,0.0/R3.5:																					
42.37	42.39	N	8	62.5		62.5		33.8	1	**	4.0		1		1		1			12B	**SEE CONSTRUCTION DETAIL FOR Exist Br RAIL TRANSITION DETAIL
42.37	42.39	S	8	62.5		62.5	62.5	31.8				1		1				1		12DD	
0.00	0.02	N	8	50.0		50.0	50.0	28.9				1		1				1		12DD	
0.00	0.02	S	8	62.5		62.5		28.9	1	**	4.0		1		1		1			12B	**SEE CONSTRUCTION DETAIL FOR Exist Br RAIL TRANSITION DETAIL
LOCATION 3, But PM 4.9/8.6:																					
5.33	5.36	N	8	150.0		62.5		84.5	1	***	0.7	1	1		1	0.5	1	1		12B	***SEE CONSTRUCTION DETAILS FOR Exist Br RAIL TRANSITION DETAIL
5.32	5.36	S	8	162.5		62.5		89.8	1	***	0.7	1	1		1	0.5	1	1		12B	***SEE CONSTRUCTION DETAILS FOR Exist Br RAIL TRANSITION DETAIL
6.11	6.13	N	8	62.5		62.5		43.8	1	27	1.5		1		1	0.2	1	1		12B	
6.11	6.13	S	8	62.5	62.5			33.8				1		1						12DD	
6.14	6.16	N	8	62.5	62.5			33.8				1		1						12DD	
6.14	6.16	S	8	62.5		62.5		43.8	1	27	1.5		1		1	0.2	1	1		12B	
8.21	8.23	N	8	62.5		62.5		43.8	1	27	1.5		1		1	0.2	1	1		12B	
8.21	8.23	S	8	62.5	62.5			33.8				1		1						12DD	
8.25	8.27	N	8	62.5	62.5			33.8				1		1						12DD	
8.25	8.27	S	8	62.5		62.5		43.8	1	27	1.5		1		1	0.2	1	1		12B	
SHEET TOTALS					475.0	887.5	250	761.1	8		15.4	8	8	10	12	1.8	13	8	1		

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

SUMMARY OF QUANTITIES

Q-2

REVISED BY: S. CHOWDHURY
DATE REVISED: S. WOODBECK
CALCULATED-DESIGNED BY:
CHECKED BY:
FUNCTIONAL SUPERVISOR: FERMIN BARRIGA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION 04-14-10
DATE PLOTTED => 27-APR-2010
TIME PLOTTED => 10:57

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s128033
DGN FILE => 31f370pa002.dgn
CU 03224
EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But/ Sut	99	Var	42	63

Mary Ann Hudspeth 4-23-10
REGISTERED ELECTRICAL ENGINEER DATE

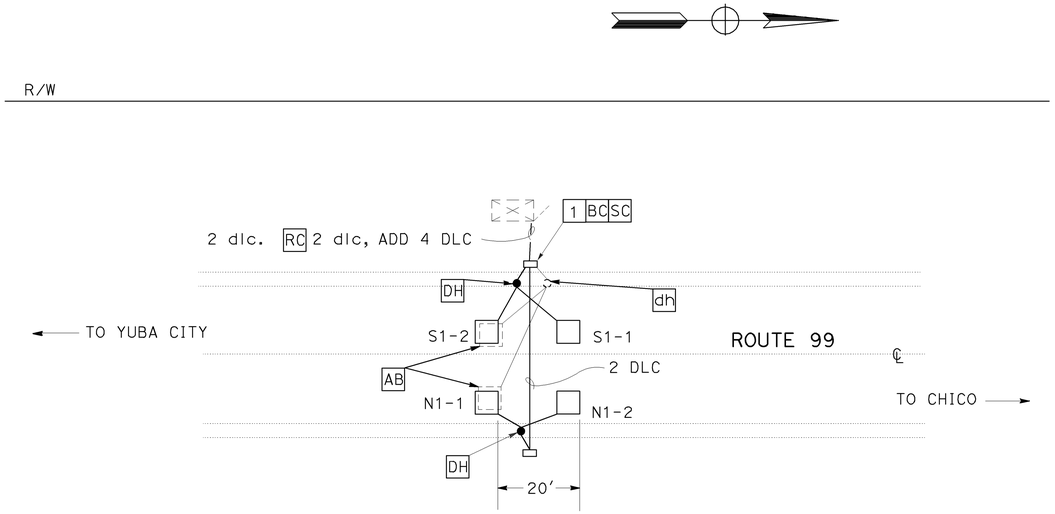
4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MARY ANN HUDSPETH
No. 17245
Exp. 06-30-10
ELECTRICAL
STATE OF CALIFORNIA

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

PROJECT NOTES (THIS SHEET ONLY):

1 RC EXISTING LOOP CONDUCTORS, DETECTOR HANDHOLE, AND CONDUIT BETWEEN DETECTOR HANDHOLE AND EXISTING PULL BOX. RC EXISTING PULL BOX.



COUNT STATION No. 305

SUT/BUT 99 - COUNTY LINE

MODIFY TRAFFIC MONITORING STATION (COUNT)

NO SCALE

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

E-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC ELECTRICAL DESIGN MARYSVILLE

FUNCTIONAL SUPERVISOR: STEVEN BLOCK
CALCULATED-DESIGNED BY: MICHAEL MULLEN
CHECKED BY: MARY ANN HUDSPETH
REVISED BY
DATE REVISED

LAST REVISION: DATE PLOTTED => 27-APR-2010 TIME PLOTTED => 10:57

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s128033
DGN FILE => 31f370ua001.dgn

CU 03390

EA 1F370

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But/ Sut	99	Var	43	63

Mary Ann Hudspeth 4-23-10
REGISTERED ELECTRICAL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

MARY ANN HUDSPETH No. 17245 Exp 06-30-10 ELECTRICAL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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

GENERAL NOTE:

RC EXISTING PEDESTRIAN PUSH BUTTONS. INSTALL TYPE B PEDESTRIAN PUSH BUTTONS.

PROJECT NOTES (THIS SHEET ONLY):

1 RC EXISTING LOOP CONDUCTORS, DETECTOR HANDHOLE, AND CONDUIT BETWEEN DETECTOR HANDHOLE AND PULL BOX.

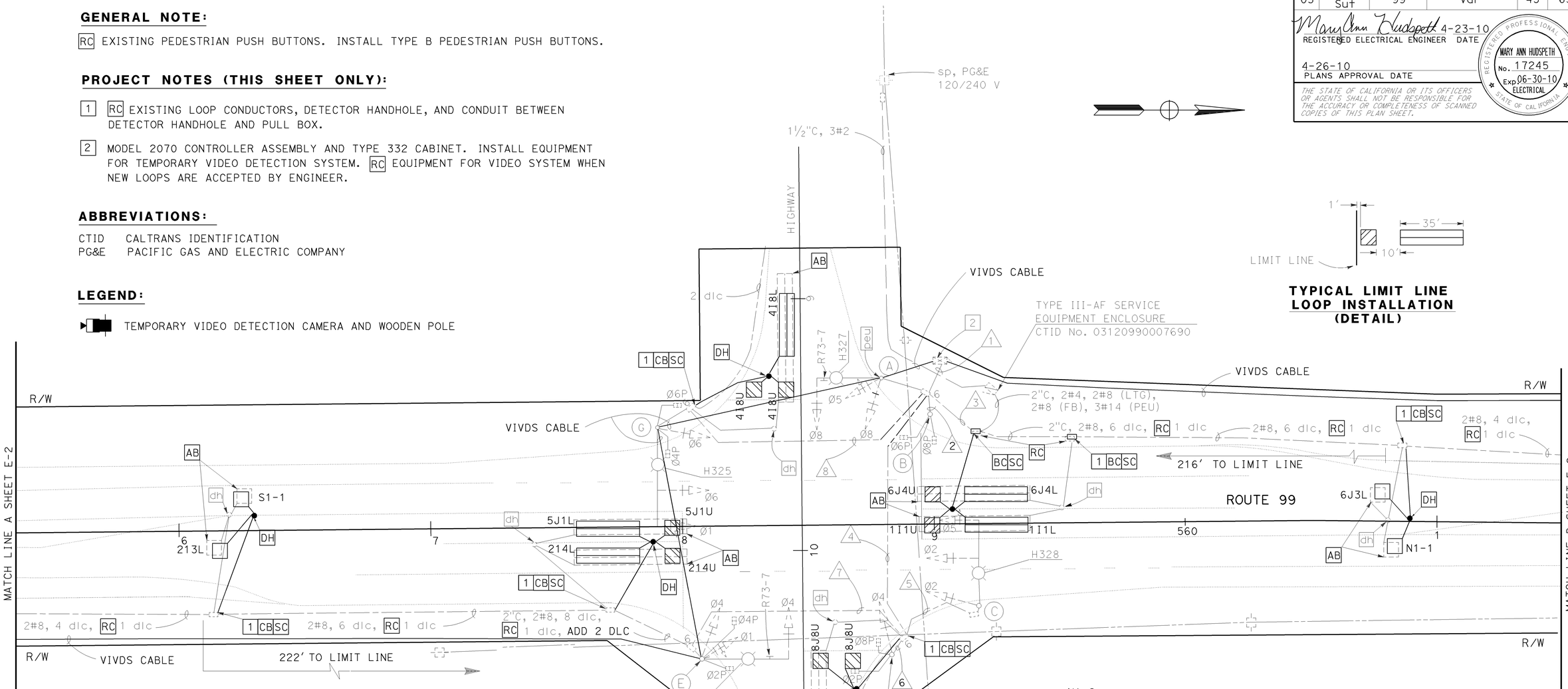
2 MODEL 2070 CONTROLLER ASSEMBLY AND TYPE 332 CABINET. INSTALL EQUIPMENT FOR TEMPORARY VIDEO DETECTION SYSTEM. RC EQUIPMENT FOR VIDEO SYSTEM WHEN NEW LOOPS ARE ACCEPTED BY ENGINEER.

ABBREVIATIONS:

CTID CALTRANS IDENTIFICATION
PG&E PACIFIC GAS AND ELECTRIC COMPANY

LEGEND:

TEMPORARY VIDEO DETECTION CAMERA AND WOODEN POLE



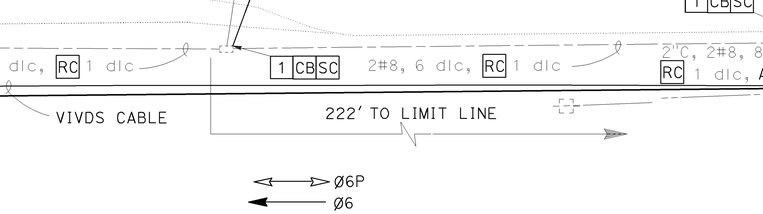
TYPICAL LIMIT LINE LOOP INSTALLATION (DETAIL)

N1-2
- 1 = ENTERING
- 2 = LEAVING
- LANE NUMBER — 1 = 1ST LANE FROM THE LEFT; 2 = 2ND LANE FROM THE LEFT
- N = NORTHBOUND
- S = SOUTHBOUND
- O = ONRAMP
- F = OFFRAMP

FREEWAY MAINLINE DETECTOR

DETECTOR IDENTIFICATION

NO SCALE



EXISTING PHASE DIAGRAM

MODIFY SIGNAL
TEMPORARY VIDEO IMAGE VEHICLE DETECTION SYSTEM (ROUTE 99/EAST BIGGS HWY)

SCALE: 1" = 20'

E-2

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC ELECTRICAL DESIGN MARYSVILLE
Caltrans®
FUNCTIONAL SUPERVISOR: STEVEN BLOCK
CALCULATED-DESIGNED BY: MICHAEL MULLEN
CHECKED BY: MARY ANN HUDSPETH
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 27-APR-2010
TIME PLOTTED => 10:57
03-29-10

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s128033
DGN FILE => 31f370ua002.dgn
CU 03390
EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But/ Sut	99	Var	44	63

Mary Ann Hudspeth 4-23-10
REGISTERED ELECTRICAL ENGINEER

4-26-10
PLANS APPROVAL DATE

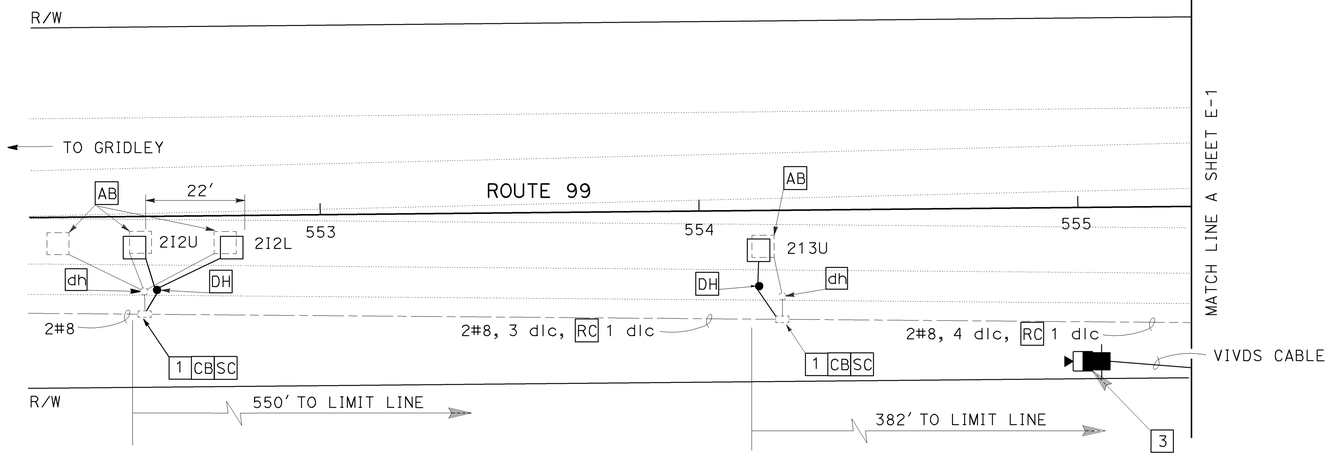
REGISTERED PROFESSIONAL ENGINEER
MARY ANN HUDSPETH
No. 17245
Exp 06-30-10
ELECTRICAL
STATE OF CALIFORNIA

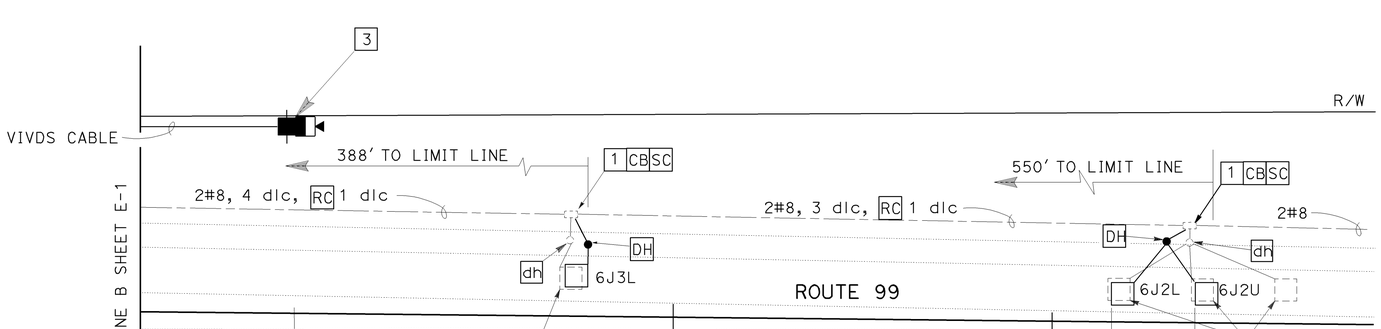
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PROJECT NOTES (THIS SHEET ONLY):

1 RC EXISTING LOOP CONDUCTORS, DETECTOR HANDHOLE, AND CONDUIT BETWEEN DETECTOR HANDHOLE AND PULL BOX.

3 SEE DETAIL SHEET E-5. INSTALL 30' FROM ETW OR SHIELD.
RC VIDEO SYSTEM WHEN NEW LOOPS ARE ACCEPTED BY ENGINEER.





MODIFY SIGNAL
TEMPORARY VIDEO IMAGE VEHICLE DETECTION SYSTEM
(ROUTE 99/EAST BIGGS HIGHWAY)

SCALE: 1" = 20'

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

E-3

REVISED BY | DATE REVISED
MICHAEL MULLEN | MARY ANN HUDSPETH
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: STEVEN BLOCK

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC ELECTRICAL
DESIGN MARYSVILLE

\\Sv03s01\cadd\proj4\03\1f370\drafting\working dgn\31f370ua003.dgn

LAST REVISION | DATE PLOTTED => 27-APR-2010
03-29-10 | TIME PLOTTED => 10:57

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s128033
DGN FILE => 31f370ua003.dgn

CU 03 390

EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But/ Sut	99	Var	45	63

Mary Ann Hudspeth 4-23-10
REGISTERED ELECTRICAL ENGINEER

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MARY ANN HUDSPETH
No. 17245
Exp 06-30-10
ELECTRICAL
STATE OF CALIFORNIA

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

EXISTING CONDUCTOR AND CONDUIT SCHEDULE

AWG OR CABLE	CONDUCTOR RUN	1	2	3	4	5	6	7	8
#14	Ø1	6			3			3	3
	Ø2	3			3	3			
	Ø4	3			3			3	
	Ø5	6			3	3			
	Ø6	3							3
	Ø8	3							
	Ø2P	2			2	2		2	
	Ø4P	4			2			2	2
	Ø6P	2	2						2
	Ø8P	4			2		2		
	Ø2PPB	1			1		1	1	
	Ø4PPB	2			1			1	1
	Ø6PPB	2							1
	Ø8PPB	2	1		1				
	PPB COMMON	1	1		1		1	1	1
	SPARES	3			3	3		3	3
	PEU			3					
	TOTAL #14	47	4	3	25	11	4	16	16
#10	SIGNAL COMMON	2	1		1	1	1	1	1
	TOTAL #10	2	1		1	1	1	1	1
#8	LUMINAIRES				2	2		2	2
	FLASH BEACON			2	2			2	
	TOTAL #8			2	4	2		4	2
#4	CONTROLLER	3		3					
DLC	Ø1 DLC	1*		1*					
	Ø2 DLC	6**			6**			6**	
	Ø4 DLC	3*							3*
	Ø5 DLC	1*			1*			1*	
	Ø6 DLC	6**		6**					
	Ø8 DLC	3*			3*		3*		
	N1-1 COUNT DLC	1		1					
	S1-1 COUNT DLC	1			1			1	
	TOTAL DLC	26		9	13		4	9	4
CONDUIT	SIZE (INCHES)	2-3	1½	2½	3	2	1½	3	3

* - ADD 1 DLC.
** - RC 1 dlc. ADD 1 DLC.

MODIFY SIGNAL (ROUTE 99/BIGGS EAST HIGHWAY)

NO SCALE

E-4

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

REVISED BY | DATE REVISED
MICHAEL MULLEN | MARY ANN HUDSPETH
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: STEVEN BLOCK
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC ELECTRICAL DESIGN MARYSVILLE

LAST REVISION 03-29-10 | DATE PLOTTED => 27-APR-2010 | TIME PLOTTED => 10:57

\\Sv03s01\cadd\proj4\03\1f370\drafting\working dgn\31f370ua004.dgn

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s128033 | DGN FILE => 31f370ua004.dgn | CU 03 390 | EA 1F3701

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But/ Sut	99	Var	46	63

Mary Ann Hudspeth 4-23-10
REGISTERED ELECTRICAL ENGINEER DATE

4-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MARY ANN HUDSPETH
No. 17245
Exp 06-30-10
ELECTRICAL
STATE OF CALIFORNIA

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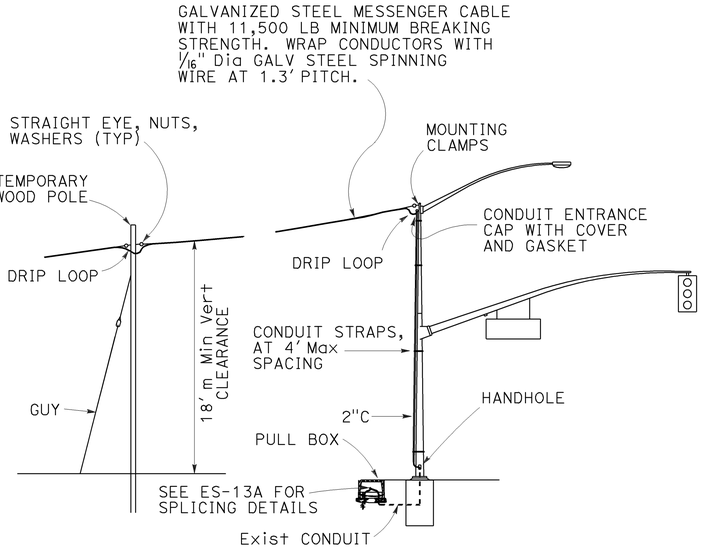
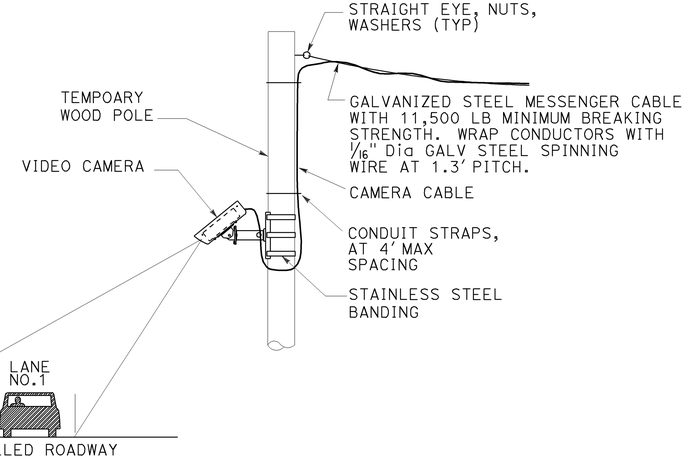


DETAIL "T7"
No Scale



DETAIL "T8"
No Scale

TEMPORARY VIDEO IMAGE VEHICLE DETECTION SYSTEM

(CAMERA MOUNTING DETAILS)

NO SCALE

E-5

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC ELECTRICAL DESIGN MARYSVILLE
Caltrans
FUNCTIONAL SUPERVISOR: STEVEN BLOCK
CALCULATED-DESIGNED BY: MICHAEL MULLEN
CHECKED BY: MARY ANN HUDSPETH
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 27-APR-2010
03-29-10 TIME PLOTTED => 10:57

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s128033
DGN FILE => 31f370ua005.dgn
CU 03390
EA 1F3701

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	But,Sut	99	Var	47	63

Robert B Schott
LICENSED LANDSCAPE ARCHITECT

April 3, 2009
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
Robert B. Schott 3695
Robert B Schott
Signature
11-30-10
Renewal Date
2-25-09
Date
STATE OF CALIFORNIA

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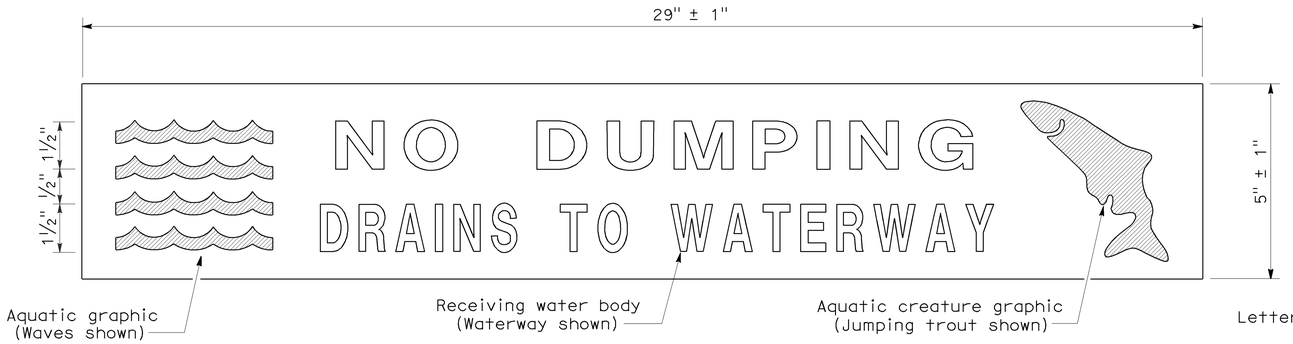
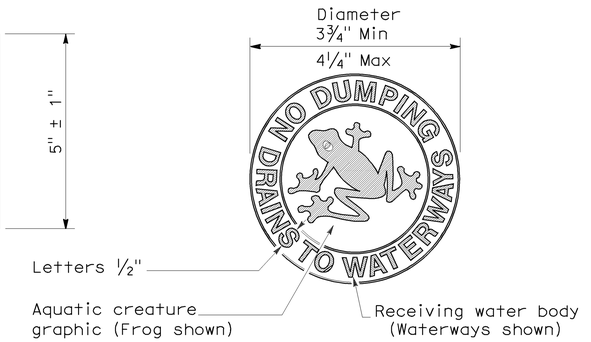
To accompany plans dated April 26, 2010

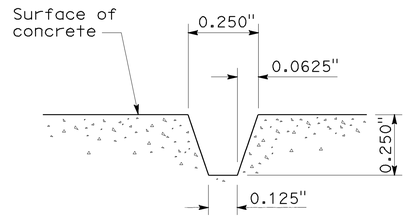


PLAN
DRAINAGE INLET MARKER
(PREFABRICATED THERMOPLASTIC)

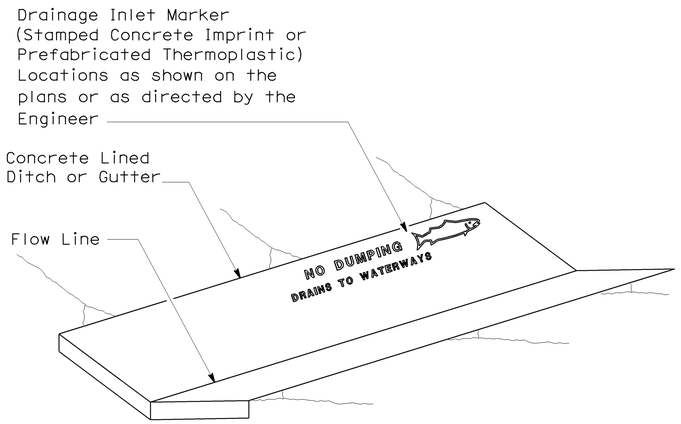


PLAN
DRAINAGE INLET MARKER
(MEDALLION)

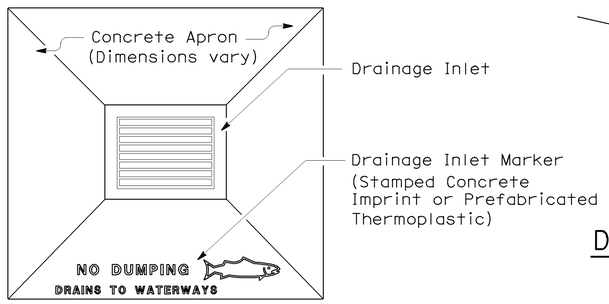
PLAN
DRAINAGE INLET MARKER
(STAMPED CONCRETE IMPRINT)



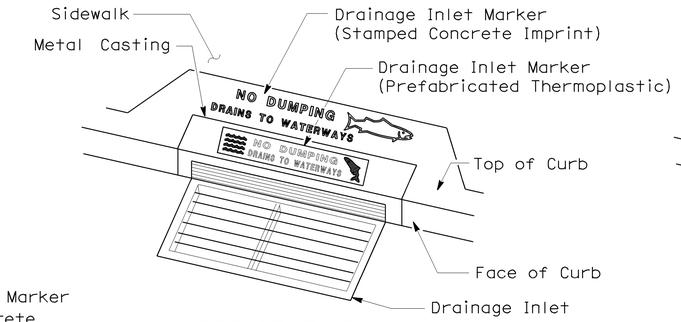
SECTION A-A
STAMPED CONCRETE
IMPRINT DETAIL



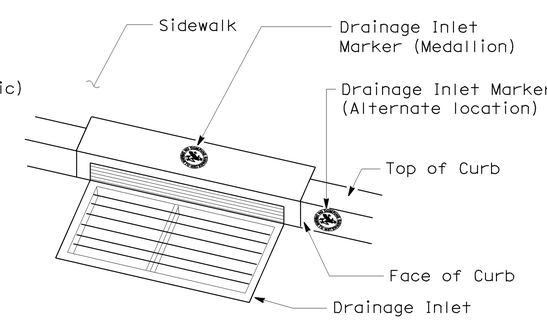
PERSPECTIVE
DRAINAGE INLET MARKER ON
CONCRETE LINED DITCH



PLAN
DRAINAGE INLET MARKER ON
DRAINAGE INLET APRON



PERSPECTIVE
DRAINAGE INLET MARKER ON
DRAINAGE INLET



PERSPECTIVE
DRAINAGE INLET MARKER (MEDALLION)
ON DRAINAGE INLET

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DRAINAGE INLET MARKERS

NO SCALE

NSP D71 DATED APRIL 3, 2009 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP D71

2006 NEW STANDARD PLAN NSP D71

7-24-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	But,Sut	99	Var	48	63

Gregory A. Balzer
LICENSED LANDSCAPE ARCHITECT

June 5, 2009
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
Gregory A. Balzer 2576
Signature
2-28-11
Renewal Date
5-14-09
Date
STATE OF CALIFORNIA

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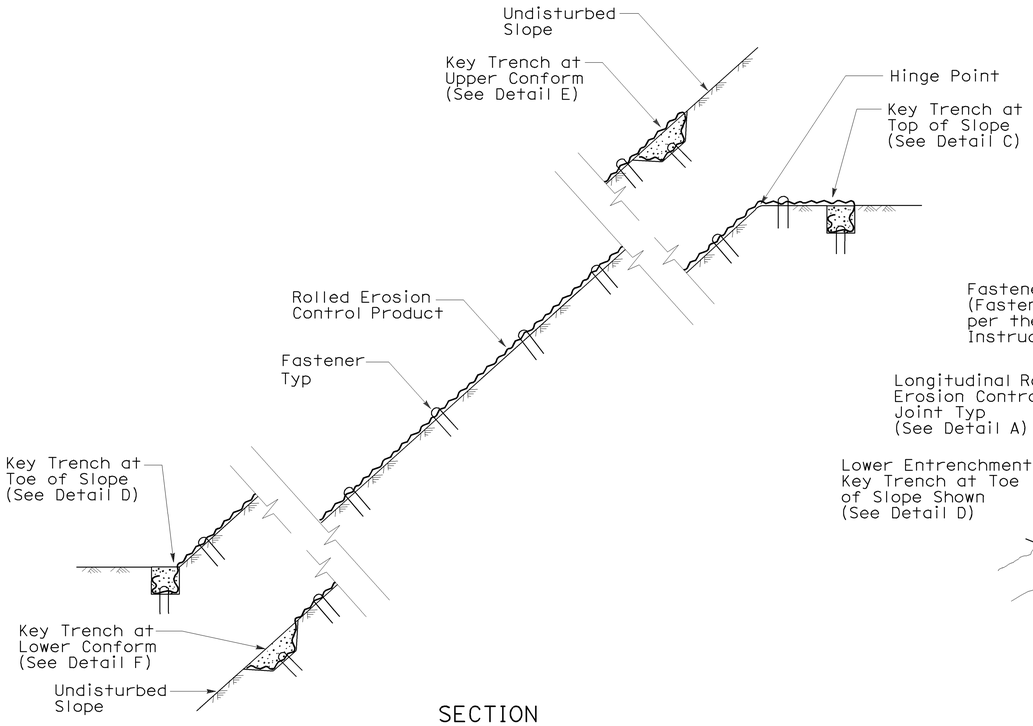
To accompany plans dated April 26, 2010

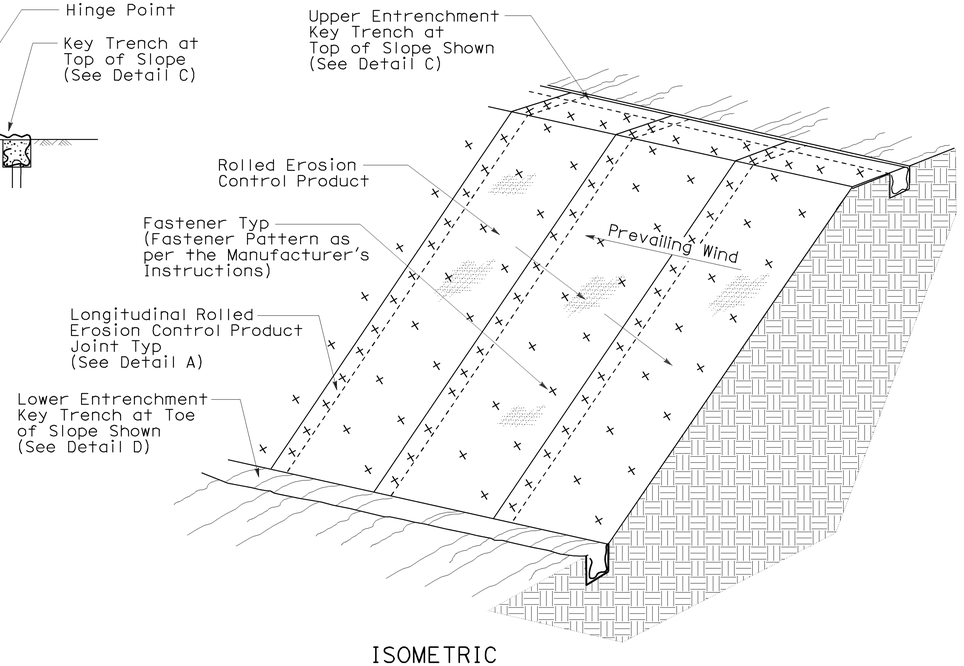
NOTE:

1. Fiber Roll/Compost Sock shown for reference purposes only.
2. If transverse rolled erosion control product joints are required on slopes, see Detail B.



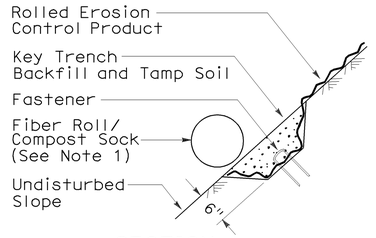
SECTION

ROLLED EROSION CONTROL PRODUCT
ON SLOPE WITH VARIOUS KEY ENTRENCHMENTS



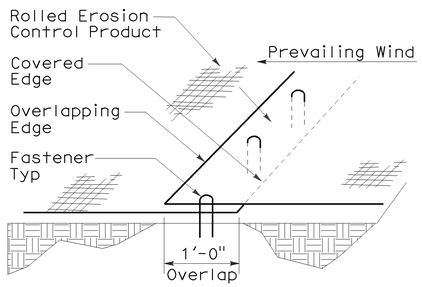
ISOMETRIC

ROLLED EROSION CONTROL PRODUCT
ON SLOPE



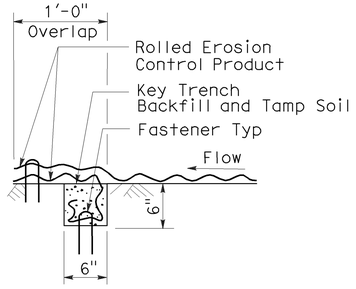
SECTION

DETAIL F
KEY TRENCH AT
LOWER CONFORM



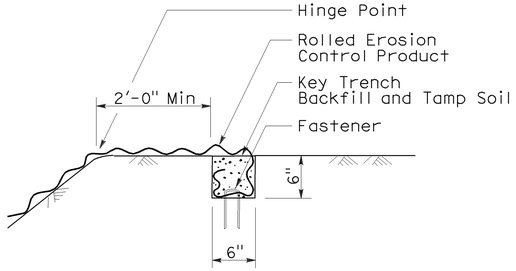
PERSPECTIVE

DETAIL A
LONGITUDINAL ROLLED EROSION
CONTROL PRODUCT JOINT



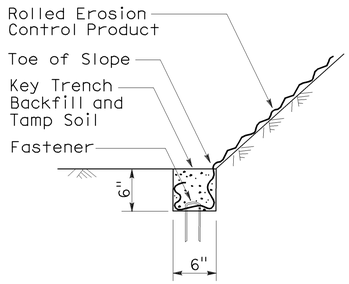
SECTION

DETAIL B
TRANSVERSE ROLLED EROSION
CONTROL PRODUCT JOINT



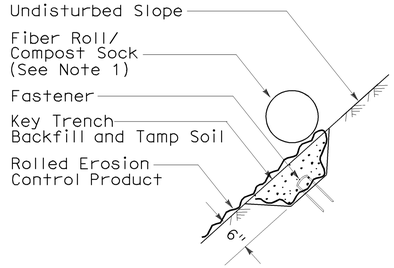
SECTION

DETAIL C
KEY TRENCH AT
TOP OF SLOPE



SECTION

DETAIL D
KEY TRENCH AT
TOE OF SLOPE



SECTION

DETAIL E
KEY TRENCH AT
UPPER CONFORM

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ROLLED EROSION CONTROL PRODUCT

NO SCALE

NSP H53 DATED JUNE 5, 2009 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP H53

2006 NEW STANDARD PLAN NSP H53

3-4-09

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	But,Sut	99	Var	49	63

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

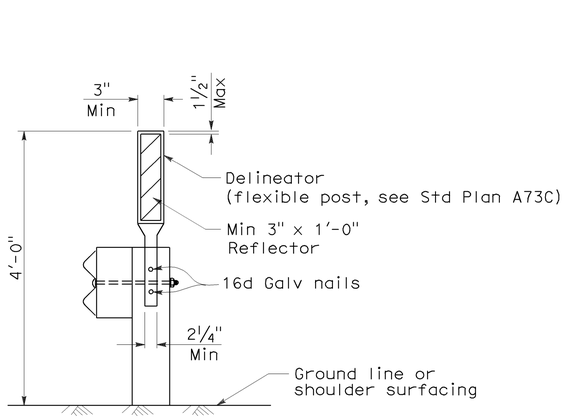
REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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.

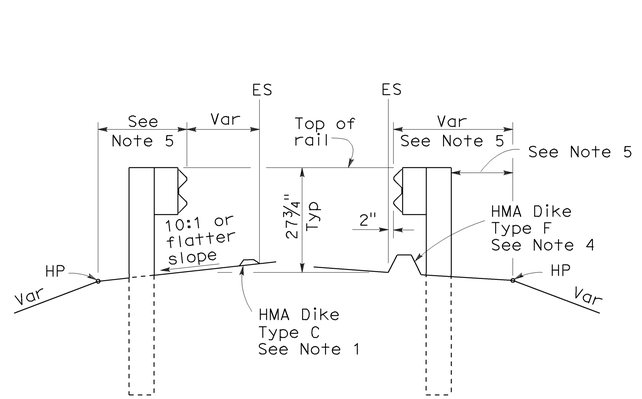
To accompany plans dated April 26, 2010

NOTES:

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



GUARD RAILING DELINEATION
See Note 3



DIKE POSITIONING
See Note 1

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

METAL BEAM GUARD RAILING TYPICAL RAILING DELINEATION AND DIKE POSITIONING DETAILS

NO SCALE

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

REVISED STANDARD PLAN RSP A77C4

2006 REVISED STANDARD PLAN RSP A77C4

12-10-07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	But,Sut	99	Var	50	63

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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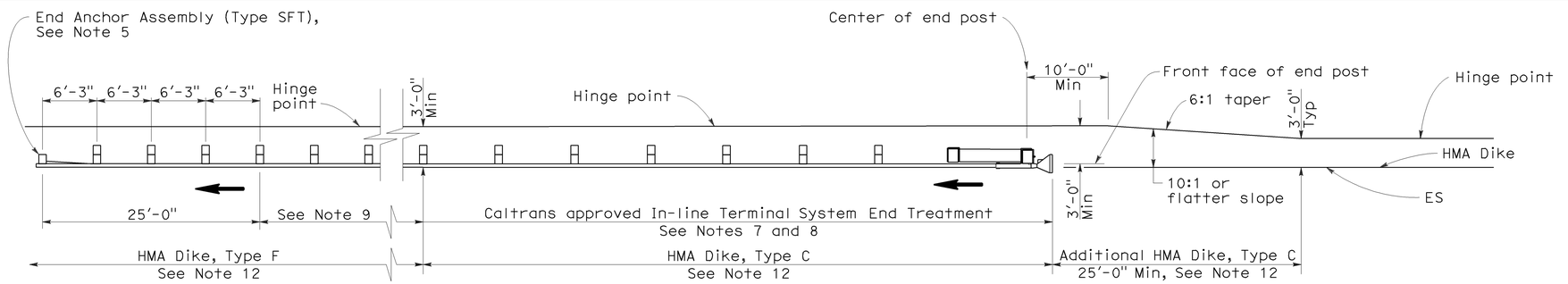
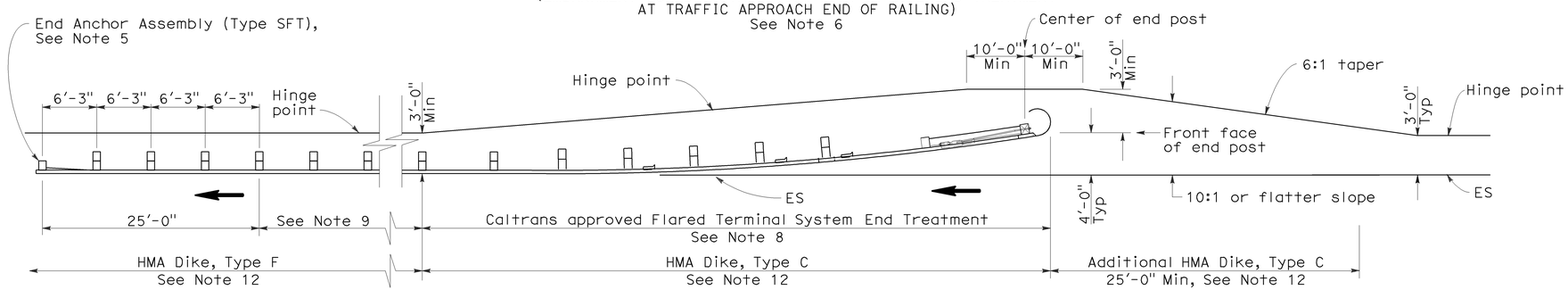
To accompany plans dated April 26, 2010



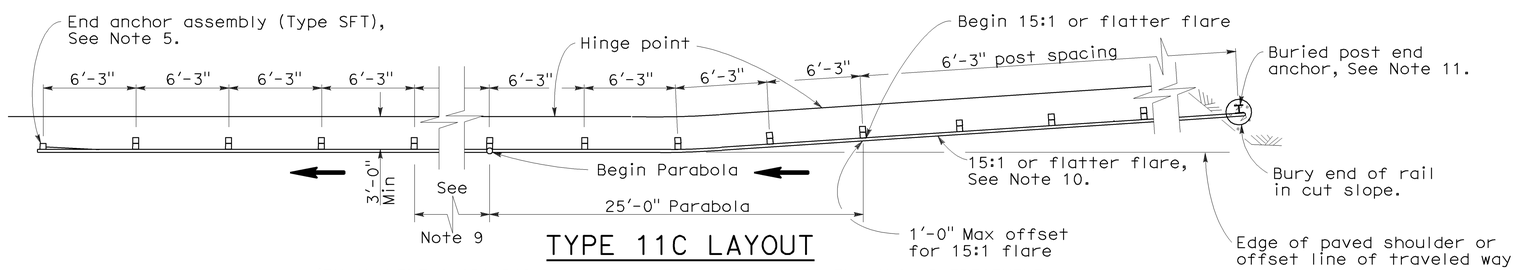
TYPE 11A LAYOUT

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



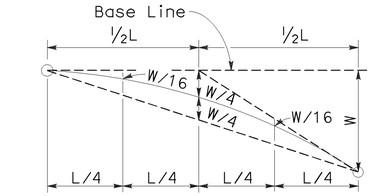
TYPE 11B LAYOUT

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

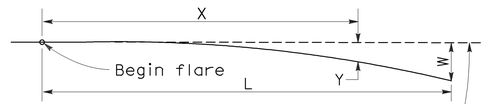


TYPE 11C LAYOUT

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



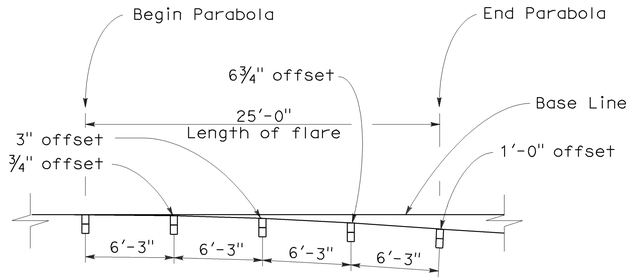
TYPICAL PARABOLIC LAYOUT



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

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

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.

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	But,Sut	99	Var	51	63

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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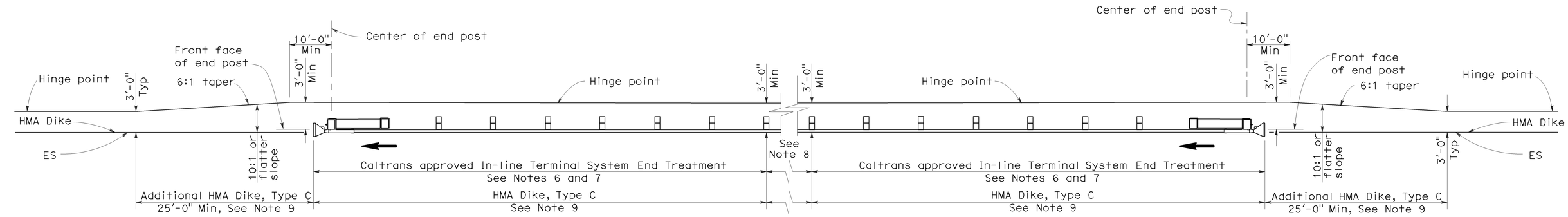
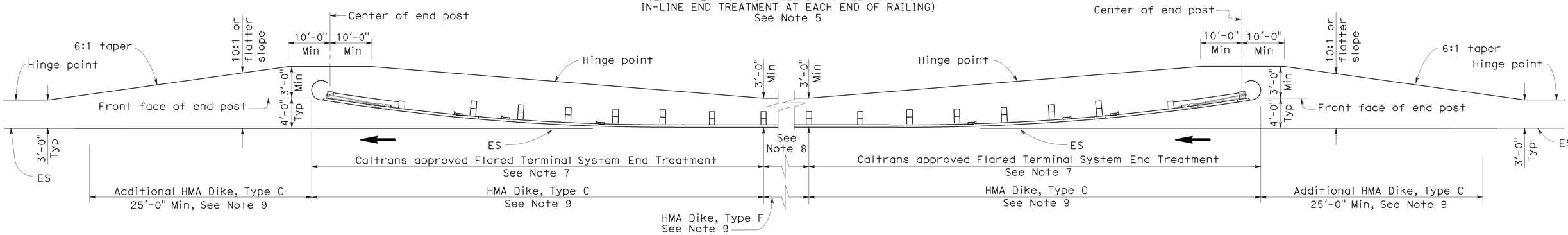
To accompany plans dated April 26, 2010



TYPE 11D LAYOUT

(EMBANKMENT GUARD RAILING INSTALLATION WITH IN-LINE END TREATMENT AT EACH END OF RAILING)
See Note 5



TYPE 11E LAYOUT

(EMBANKMENT GUARD RAILING INSTALLATION WITH FLARED END TREATMENT AT EACH END OF RAILING)
See Note 5

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 post with 6" x 8" x 1'-2" wood blocks where applicable and when specified.
4. Direction of adjacent traffic indicated by ➡.
5. Layout Types 11D through 11L, shown on the A77E Series of Revised Standard Plans, are typically used where guard railing is recommended to shield embankment slopes and a crashworthy end treatment is required for both directions of traffic.
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 and side slope), construction of additional guard railing (length equal to multiples of 12'-6" with 6'-3" post spacing) may be advisable.
9. Where placement of dike is required with guard railing installations, see Revised Standard Plan RSP A77C4 for dike positioning details.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

METAL BEAM GUARD RAILING TYPICAL LAYOUTS FOR EMBANKMENTS

NO SCALE

RSP A77E2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN A77E2
DATED MAY 1, 2006 - PAGE 49 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP A77E2

2006 REVISED STANDARD PLAN RSP A77E2

12-10-07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	But,Sut	99	Var	52	63

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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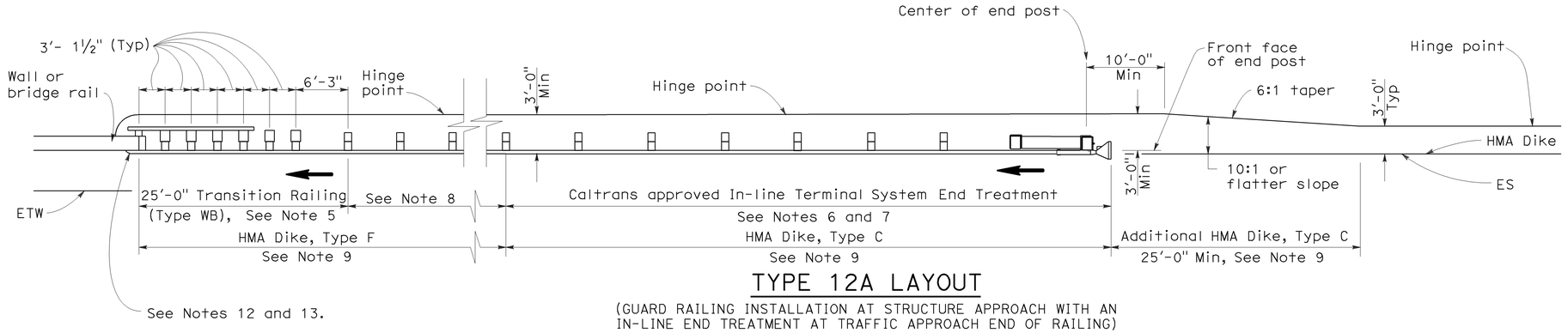
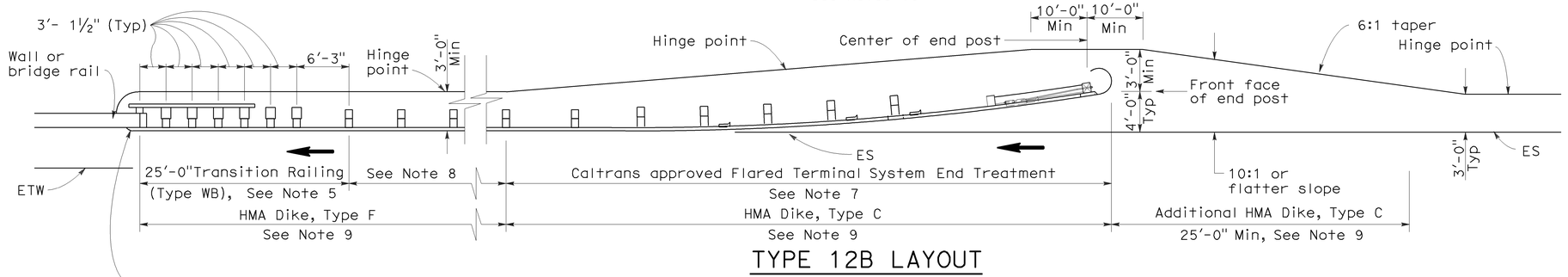
To accompany plans dated April 26, 2010



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	But,Sut	99	Var	53	63

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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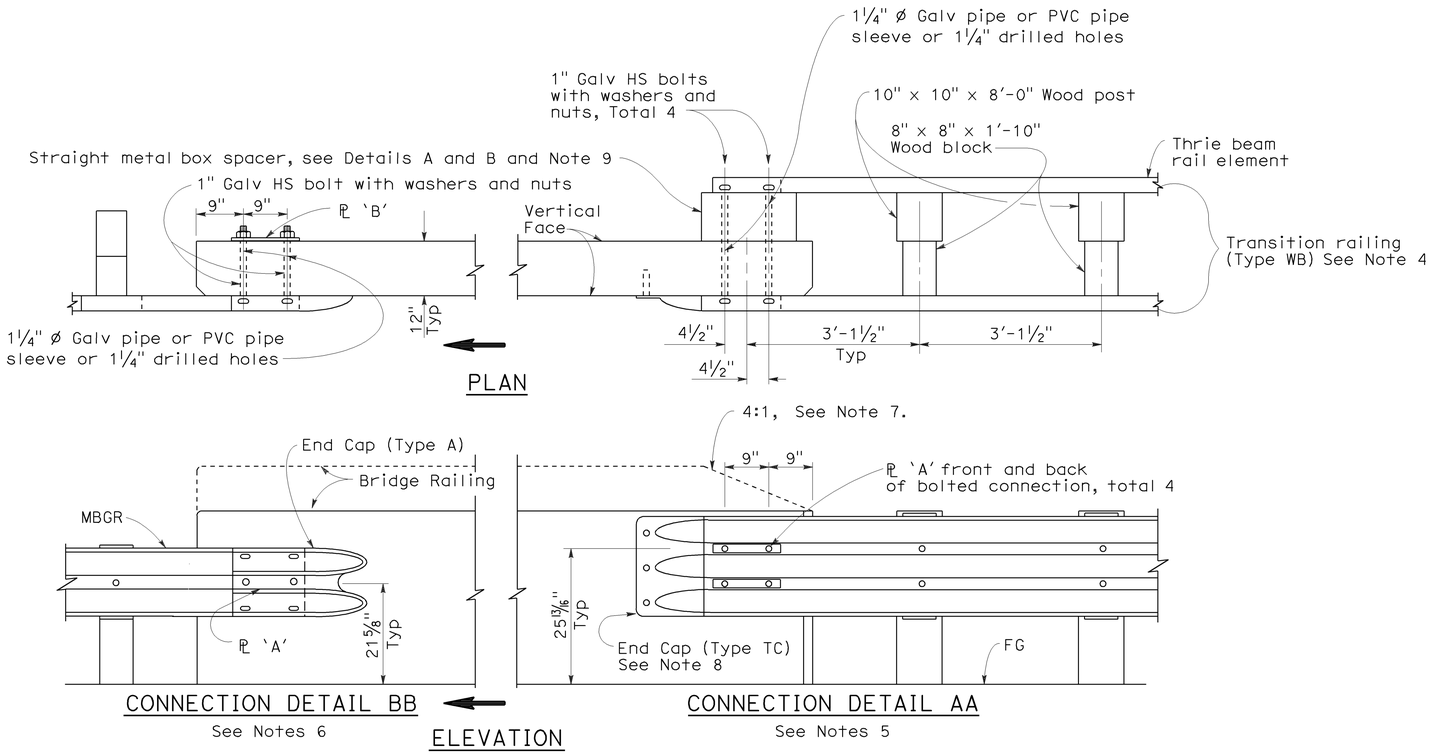
To accompany plans dated April 26, 2010



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.

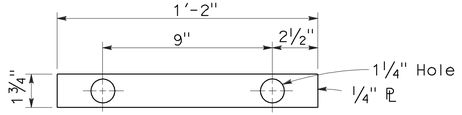


PLATE 'A'

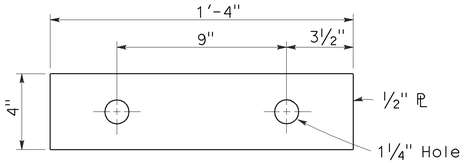
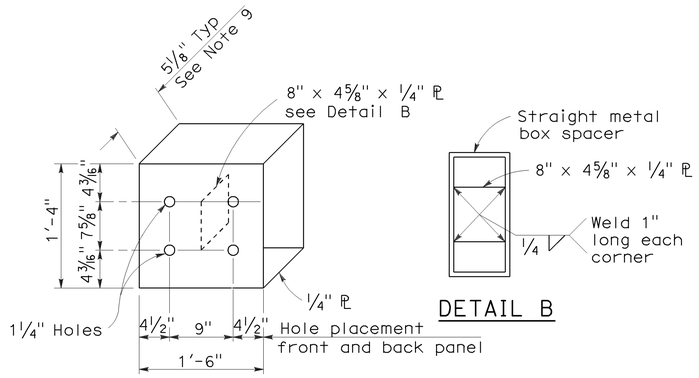


PLATE 'B'
(For backside of connection BB)



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	But,Sut	99	Var	54	63

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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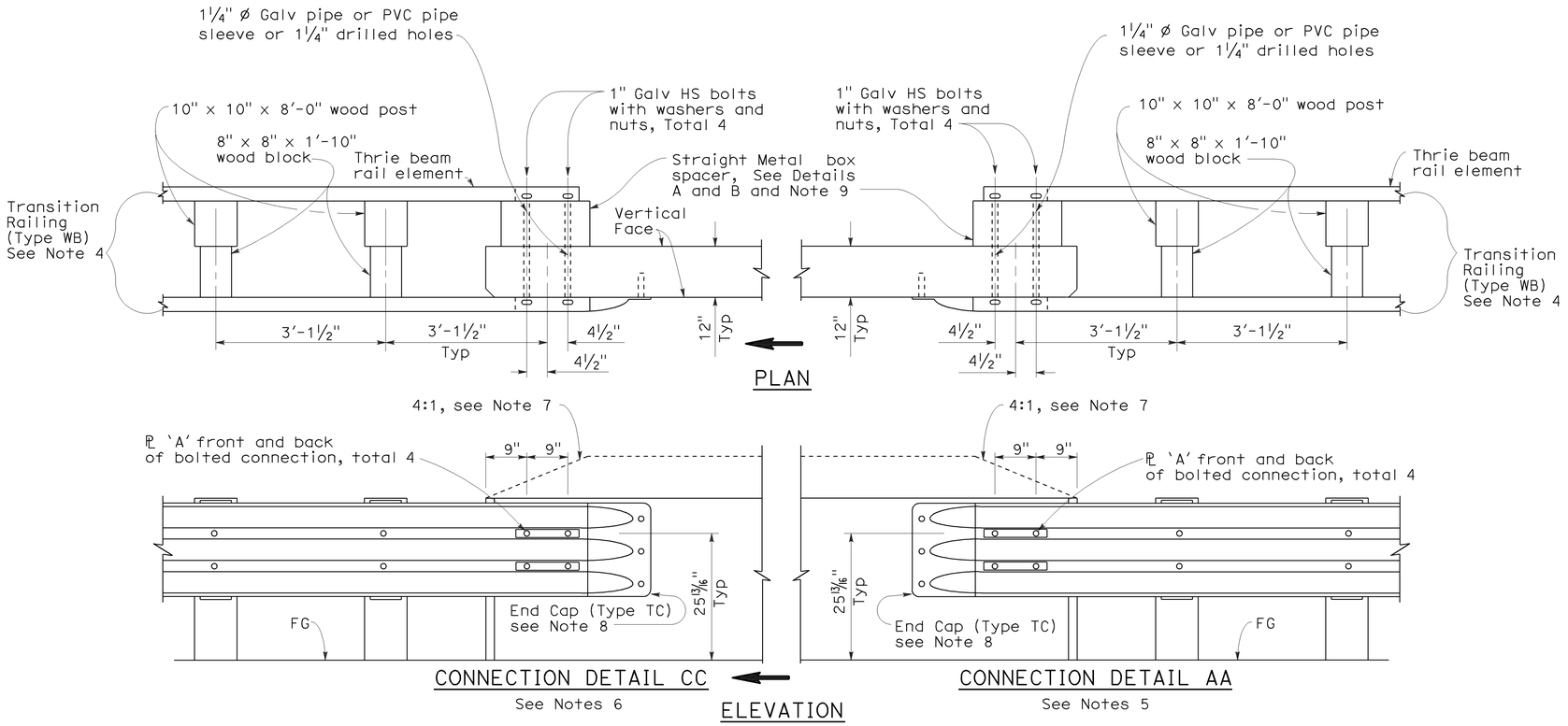
To accompany plans dated April 26, 2010



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.

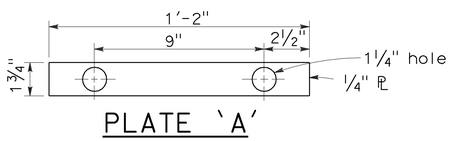


PLATE 'A'

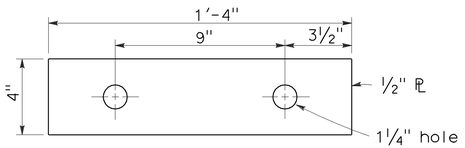
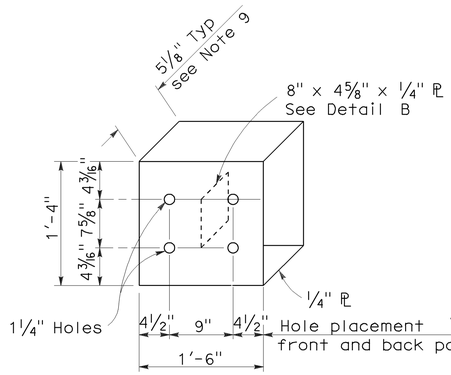
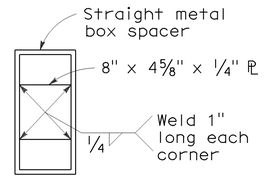


PLATE 'B'
(For backside of connection BB)



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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	But,Sut	99	Var	55	63

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

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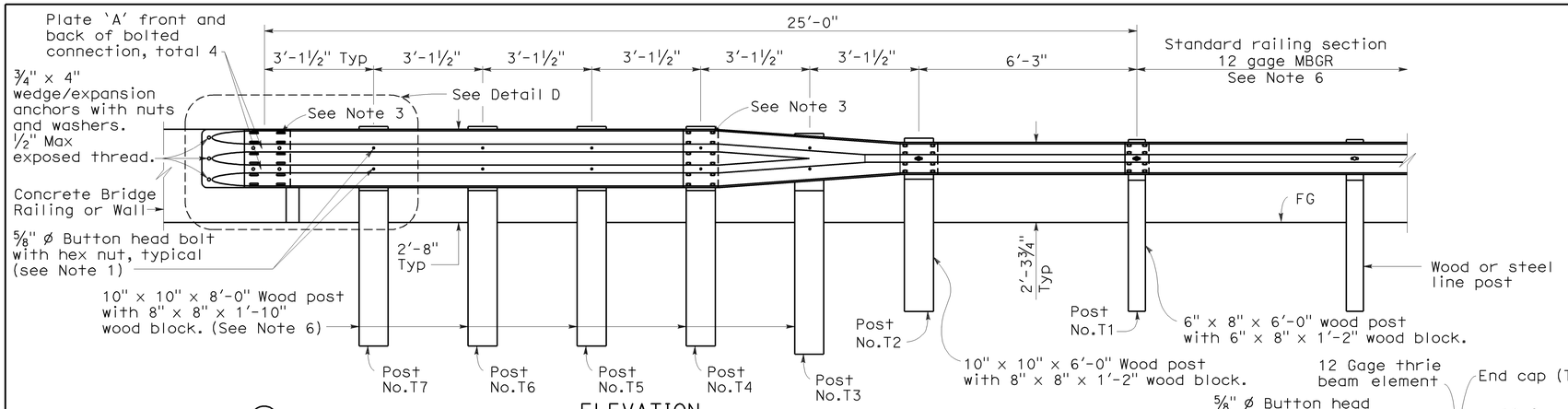
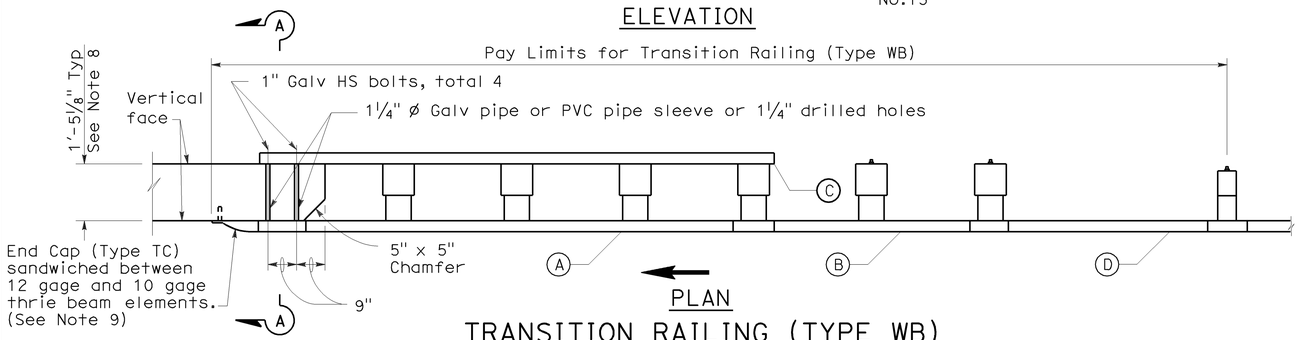


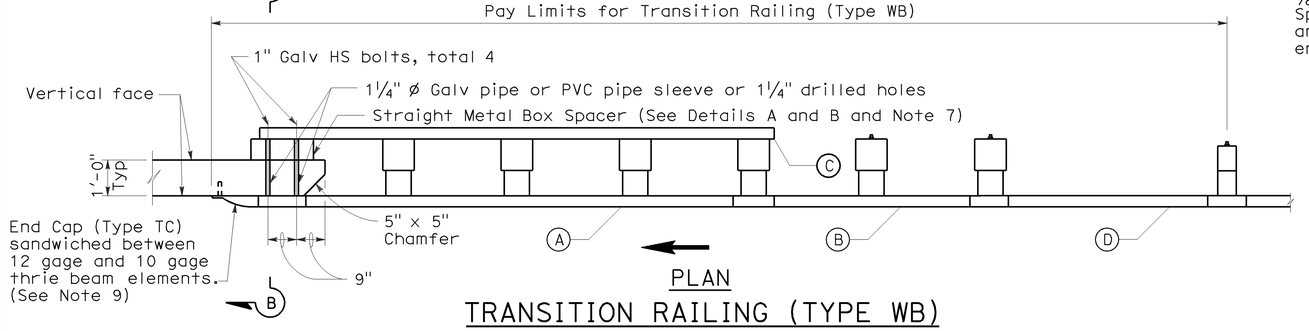
ELEVATION



PLAN

TRANSITION RAILING (TYPE WB)

(No Blockout Attachment)



PLAN

TRANSITION RAILING (TYPE WB)

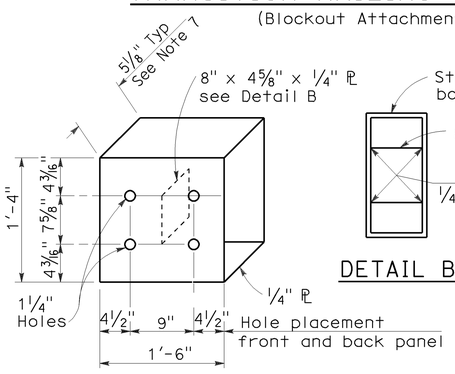
(Blockout Attachment)

LEGEND

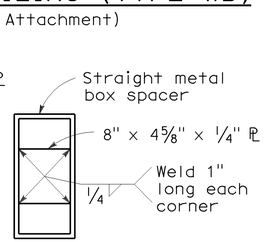
- (A) Nested thrie beam elements (one 12 gage element nested over one 10 gage element).
- (B) One 10 gage "W" beam to thrie beam element.
- (C) One 12 gage thrie beam element.
- (D) One 10 gage "W" beam rail element (7'-3½" length)

10 gage = 0.135" thick

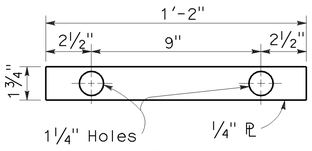
12 gage = 0.108" thick



DETAIL A



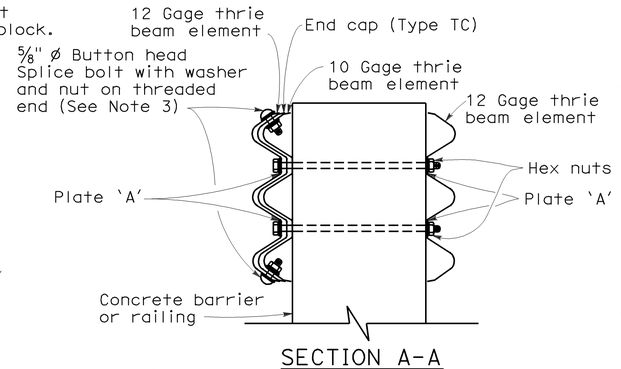
DETAIL B



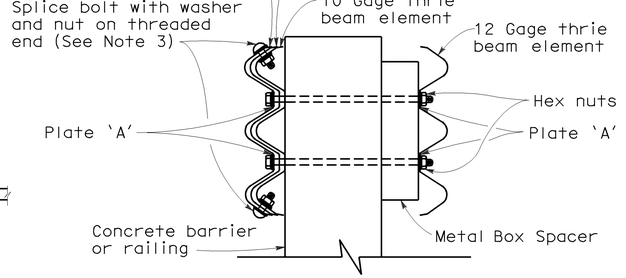
DETAIL C

STRAIGHT METAL BOX SPACER

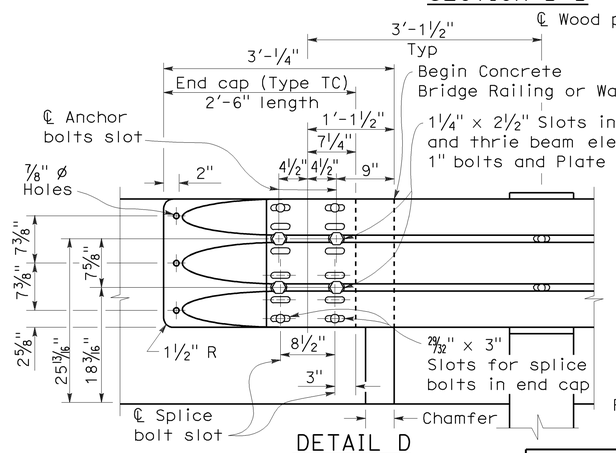
PLATE 'A'



SECTION A-A



SECTION B-B



DETAIL D

NOTES:

To accompany plans dated April 26, 2010

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	But,Sut	99	Var	56	63

Jeffery G. McRae
REGISTERED ELECTRICAL ENGINEER

October 5, 2007
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Jeffery G. McRae
No. E14512
Exp. 6-30-08
ELECTRICAL
STATE OF CALIFORNIA

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To accompany plans dated April 26, 2010

ELECTROLIERS

STANDARD TYPES
15, 15D
15 STRUCTURE
21, 21D STRUCTURE
30
31
32
35
36-20A

High mast light pole

Double Arm lighting standard

Existing electrolier

Electrolier foundation (Future installation)

NOTES:

1. Luminaires shall be 310 W HPS when installed on Type 21, 21D, 30, 31, 32, 35 and 36-20A Standards, unless otherwise specified. Luminaires shall be 200 W HPS when installed on other type standards or poles, unless otherwise specified.
2. Luminaires shall be the cutoff type, ANSI Type III medium cutoff lighting distribution, unless otherwise specified.
3. Variations noted adjacent to symbol on project plans.

Electrolier (see project notes or project plans)

Luminaire on wood pole

STANDARD NOTES:

- AB Abandon. If applied to conduit, remove conductors.
- BC Install pull box in existing conduit run.
- BP Pedestrian barricade, type as indicated on plan.
- CB Install conduit into existing pull box.
- CC Connect new and existing conduit. Remove existing conductors and install conductors as indicated.
- CF Conduit to remain for future use. Remove conductors. Install pull wire or rope.
- DH Detector handhole.
- FA Foundation to be abandoned.
- IS Install sign on signal mast arm.
- NS No slip base on standard.
- PEC Photoelectric control.
- PEU Photoelectric unit.
- RC Equipment or material to be removed and become the property of the Contractor.
- RE Remove electrolier, fuses and ballast. Tape ends of conductors.
- RL Relocate equipment.
- RR Remove and reuse equipment.
- RS Remove and salvage equipment.
- SC Splice new to existing conductors.
- SD Service disconnect.
- SF Standard to remain for future use. Remove luminaire, pole conductors, fuses and ballast.
- TSP Telephone service point.

ABBREVIATIONS AND EQUIPMENT DESIGNATIONS

PROPOSED	EXISTING	
BBS	bbs	Battery backup system
BC	bc	Bolt circle
C	C	Conduit
CCTV	cctv	Closed circuit television
CKT	ckt	Circuit
CMS	cms	Changeable message sign
DLC	dlc	Loop detector lead-in cable
EMS	ems	Extinguishable message sign
EVC	evc	Emergency vehicle cable
EVD	evd	Emergency vehicle detector
FB	fb	Flashing beacon
FBCA	fbca	Flashing beacon control assembly
FBS	fbs	Flashing beacon with slip base
FO	fo	Fiber optic
G	G	Ground (Equipment Grounding Conductor)
GFCI	GFCI	Ground fault circuit interrupt
HAR	har	Highway advisory radio
HEX	hex	Hexagonal
HPS	hps	High pressure sodium
IISNS	iisns	Internally illuminated street name sign
ISL	isl	Induction sign lighting
LED	led	Light emitting diode
LMA	lma	Luminaire mast arm
LPS	lps	Low pressure sodium
LTG	ltg	Lighting
LUM	lum	Luminaire
MAT	mat	Mast arm mounting vehicle signal faces, top attachment
MAS	mas	Mast arm mounting vehicle signal faces, side attachment
MAS-4A	mas-4A	Mast arm mounting vehicle signal faces,
MAS-4B	mas-4B	side attachment - 4 signal section
MAS-4C	mas-4C	
MAS-5A	mas-5A	Mast arm mounting vehicle signal faces,
MAS-5B	mas-5B	side attachment - 5 signal section
MC	mc	Mercury contactor
M/M	m/m	Multiple to multiple transformer
MT	mt	Conduit with pull wire or rope only
MTG	mtg	Mounting
	mv	Mercury vapor lighting fixture
N	N	Neutral (Grounded Conductor)
NC	NC	Normally closed
NO	NO	Normally open
PB	pb	Pull box
PEC	pec	Photoelectric control (Type I, II, III, IV or V as shown)
PED	ped	Pedestrian
PEU	peu	Photoelectric unit
PPB	ppb	Pedestrian push button
RL		Relocated equipment
RM	rm	Ramp metering
SB	sb	Slip base
SIC	sic	Signal interconnect cable
SIG	sig	Signal
SMA	sma	Signal mast arm
SNS	sns	Street name sign
SP	sp	Service point
TDC	tdc	Telephone demarcation cabinet
TMS	tms	Traffic monitoring station
TOS	tos	Traffic Operations System
VEH	veh	Vehicle
XFMR	xfmr	Transformer
COMM	comm	Communication
RWIS	rwis	Roadway weather information system

SOFFIT AND WALL MOUNTED LUMINAIRES

- Pendant, 70 W HPS unless otherwise specified.
- Flush, 70 W HPS unless otherwise specified.
- Wall surface, 70 W HPS unless otherwise specified.
- Existing soffit or wall luminaire to remain unmodified.
- (M) Existing soffit or wall luminaire to be modified as specified.

NOTE:
Arrow indicates "street side" of luminaire.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SYMBOLS AND ABBREVIATIONS)

NO SCALE

RSP ES-1A DATED OCTOBER 5, 2007 SUPERSEDES STANDARD PLAN ES-1A
DATED MAY 1, 2006 - PAGE 400 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-1A

2006 REVISED STANDARD PLAN RSP ES-1A

7-10-07

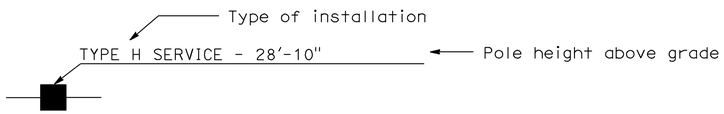
CONDUIT

PROPOSED	EXISTING	
— — —	— — —	Lighting Conduit, unless otherwise indicated or noted
— - — - —	— - — - —	Traffic signal conduit
—C— —	—c— —	Communication conduit
—T— —	—t— —	Telephone conduit
—F— —	—f— —	Fire alarm conduit
—FO— —	—fo— —	Fiber optic conduit
— — —┐	— — —┐	Conduit termination (RSP ES-9A C)
R	r	Conduit riser in/on structure or service pole

SERVICE EQUIPMENT

PROPOSED	EXISTING	
—OH—	—oh—	Overhead lines
U	U	Wood pole "U" indicates utility owned
		Pole guy with anchor
		Utility transformer - ground mounted
III		Service equipment enclosure type
		Service equipment enclosure door indicates front of enclosure
T	t	Telephone demarcation cabinet

POLE-MOUNTED SERVICE DESIGNATION



ILLUMINATED OVERHEAD SIGN

PROPOSED	EXISTING	
		Overhead sign - Single post
		Overhead sign - Two post
		Overhead sign - Mounted on structure
		Overhead sign with electrolier

SIGNAL EQUIPMENT

PROPOSED	EXISTING	
		Pedestrian signal face
		Pedestrian push button post
		Pedestrian barricade
		Vehicle signal face (with backplate, 3-Section: red, yellow and green)
		Vehicle signal face with angle visors
PV	PV	Modifications of basic symbols: "L" Indicates all non-arrow sections louvered "LG" Indicates louvered green section only "PV" Indicates 12" programmed visibility sections "8" indicates all 8" sections (only when specified)
		Type 15TS and Vehicle signal face
		Vehicle signal face with red, yellow and green left arrow sections
		Vehicle signal face with red and yellow sections and up green arrow
		Vehicle signal face (5 Section) with red, yellow and green sections and yellow and green right arrows
		Type 1 Standard and attached vehicle signal faces
		Standard with signal mast arm only and attached vehicle signal faces and internally illuminated street name sign
		Type 33 Standard, Left-turn vehicle signal face and sign
		Standard with luminaire and signal mast arms and attached vehicle signal faces
		Cantilever flashing beacon Type 9 Frame, with a sign unless otherwise specified or indicated
		Type 15-FBS Standard with two vehicle signal face sections with lens, backplate and visor with a sign
R	Y	Flashing beacon. One vehicle signal face section with lens, backplate and visor. "R" indicates red indication, "Y" indicates yellow indication
		Controller assembly. Door indicates front of cabinet

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	But,Sut	99	Var	57	63

Jeffery G. McRae
REGISTERED ELECTRICAL ENGINEER

October 5, 2007
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Jeffery G. McRae
No. E14512
Exp. 6-30-08
ELECTRICAL
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 April 26, 2010

SIGNAL EQUIPMENT Cont

PROPOSED	EXISTING	
●	○	Guard post
		Type 1 Standard with "Meter On" sign
		Emergency Vehicle detector

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SYMBOLS AND ABBREVIATIONS)

NO SCALE

RSP ES-1B DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-1B DATED MAY 1, 2006 - PAGE 401 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-1B

2006 REVISED STANDARD PLAN RSP ES-1B

7-10-07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	But,Sut	99	Var	58	63

Jeffery G. McRae
REGISTERED ELECTRICAL ENGINEER

October 5, 2007
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Jeffery G. McRae — No. E14512 — Exp. 6-30-08 — ELECTRICAL — STATE OF CALIFORNIA

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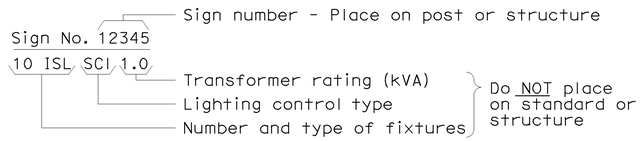
To accompany plans dated April 26, 2010

EQUIPMENT IDENTIFICATION

ILLUMINATED SIGN IDENTIFICATION NUMBER:



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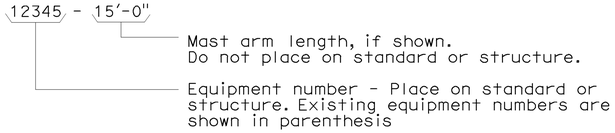
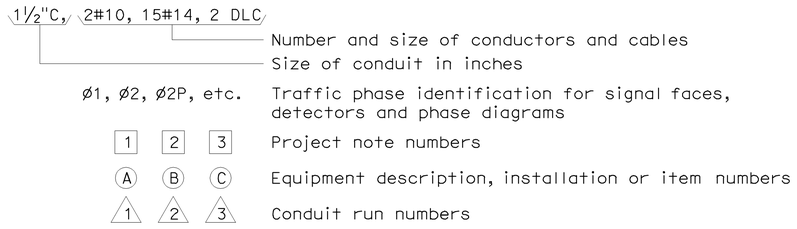
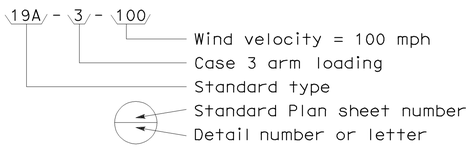


CONDUIT AND CONDUCTOR IDENTIFICATION:

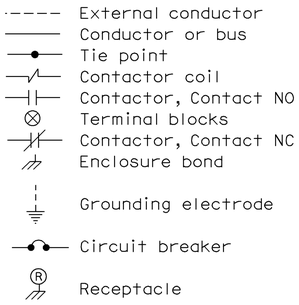


SIGNAL AND LIGHTING STANDARD (TYPICAL DESIGNATION):



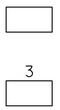
WIRING DIAGRAM LEGEND

P	Pole
CB	Circuit breaker
A	Ampere
V	Volt
M	Metered
UM	Unmetered
NB	Neutral bus
GB	Ground bus
G	Equipment grounding conductor
N	Grounded conductor (Neutral)



PULL BOXES

PROPOSED EXISTING



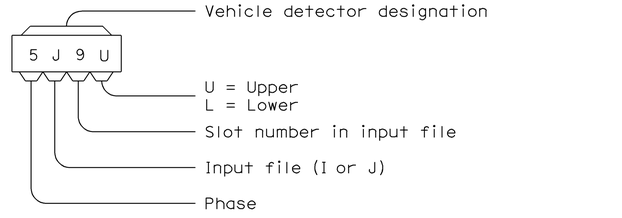
Pull box-No. 5 unless otherwise indicated or noted.

Pull box-Additional designations or descriptions

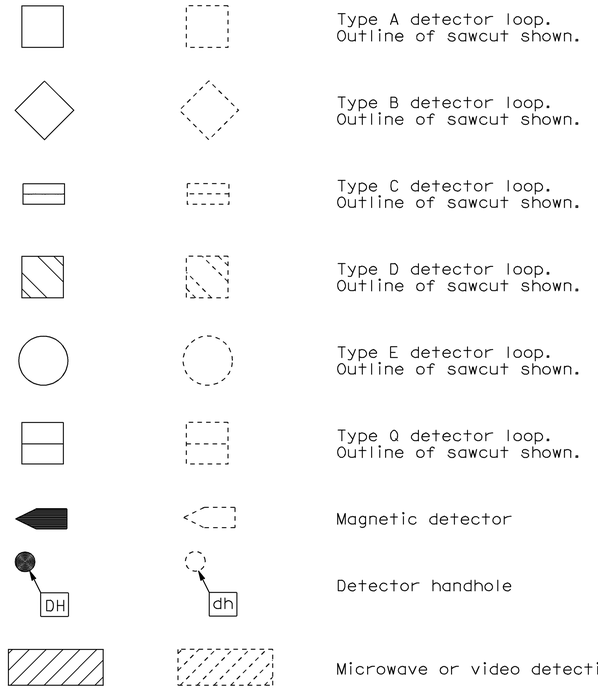
(C) = Communications pull box
(E) = Pull box with extension
(S) = Sprinkler control pull box
(21) = Anchor bolts and conduit for future installation of Type 21 Standard
(T) = Traffic pull box

3 = No. 3½ pull box
5 = No. 5 pull box
6 = No. 6 pull box
7 = No. 7 (Ceiling pull box)
8 = No. 8 (Pendant soffit pull box)
9 = No. 9 pull box
9A = No. 9A pull box

VEHICLE DETECTORS

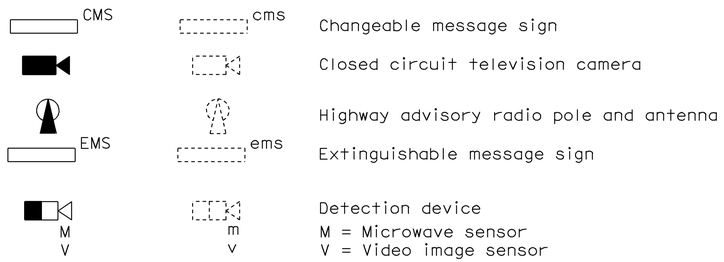


PROPOSED EXISTING



MISCELLANEOUS EQUIPMENT

PROPOSED EXISTING



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SYMBOLS AND ABBREVIATIONS)

NO SCALE

RSP ES-1C DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-1C
DATED MAY 1, 2006 - PAGE 402 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-1C

2006 REVISED STANDARD PLAN RSP ES-1C

7-10-07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	But,Sut	99	Var	59	63

Jeffery G. McRae
REGISTERED ELECTRICAL ENGINEER

REGISTERED PROFESSIONAL ENGINEER
Jeffery G. McRae
No. E14512
Exp. 6-30-08
ELECTRICAL
STATE OF CALIFORNIA

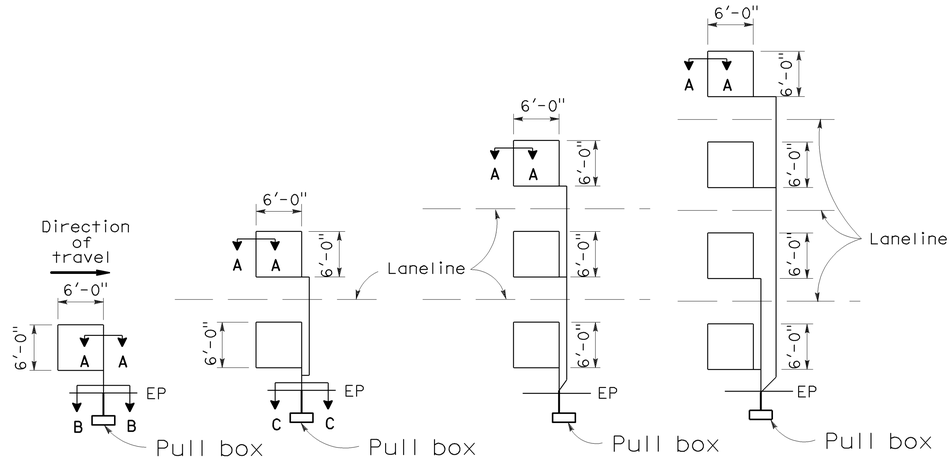
October 5, 2007
PLANS APPROVAL DATE

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

To accompany plans dated April 26, 2010

LOOP INSTALLATION PROCEDURE

1. Loops shall be centered in lanes.
2. Saw slots in pavement for loop conductors as shown in details.
3. Distance between side of loop and a lead-in saw cut from adjacent detectors shall be 2'-0" minimum. Distance between lead-in saw cuts shall be 6" minimum.
4. Bottom of saw slot shall be smooth with no sharp edges.
5. Slots shall be washed until clean, blown out and thoroughly dried before installing loop conductors.
6. Adjacent loops on the same sensor unit channel shall be wound in opposite directions.
7. Identify and tag loop circuit pairs in the pull box with loop number, start (S) and finish (F) of conductor. Identify and tag lead-in-cable with sensor number and phase.
8. Install loop conductor in slot using a 3/16" to 1/4" thick wood paddle. Hold loop conductors with wood paddles (at the bottom of the sawed slot) during sealant placement.
9. No more than 2 twisted pairs shall be installed in one sawed slot.
10. Allow additional 5'-0" of slack length of conductor for the lead-in run to pull box.
11. The additional length of each conductor for each loop shall be twisted together into a pair (6 turns per 3'-4" minimum) before being placed in the slot and conduit leading to pull box.
12. Test each loop circuit for continuity, circuit resistance and insulation resistance at the pull box before filling slots.
13. Fill slots as shown in details.
14. Splice loop conductors to lead-in-cable. Splices shall be soldered.
15. End of lead-in-cable and Type 2 loop conductor shall be waterproofed prior to installing in conduit to prevent moisture from entering the cable.
16. Lead-in-cable shall not be spliced between the pull box and the controller cabinet terminals.
17. Test each loop circuit for continuity, circuit resistance and insulation resistance at the controller cabinet location.
18. Where loop conductors are not to be spliced to a lead-in-cable, the ends of the conductors shall be taped and waterproofed with electrical insulating coating.

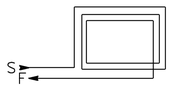


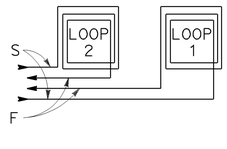
TYPE 1A INSTALLATION | TYPE 2A INSTALLATION | TYPE 3A INSTALLATION | TYPE 4A INSTALLATION

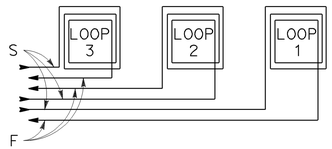
SAWCUT DETAILS

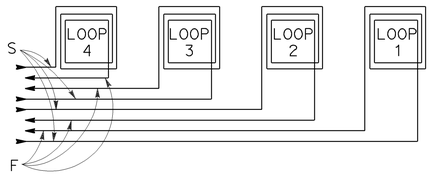
(Type A loop detector configurations illustrated)

1. 1A thru 4A = 1 Type A loop configuration in each lane.
2. 1B thru 4B = 1 Type B loop configuration in each lane.
3. 1C = 1 Type C loop configuration entering lanes as required.
4. 1D thru 4D = 1 Type D loop configuration in each lane.
5. 1E thru 4E = 1 Type E loop configuration in each lane.
6. 1Q thru 4Q = 1 Type Q loop configuration in each lane. (Use Type A, B, C, D, E or Q loop detector configurations only when specified or shown on plans)



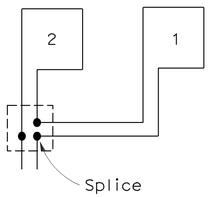


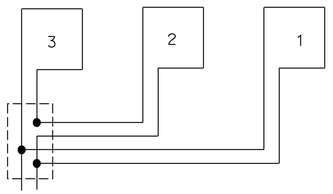


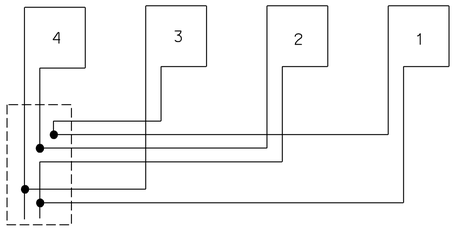


WINDING DETAILS

See Notes 6 and 7

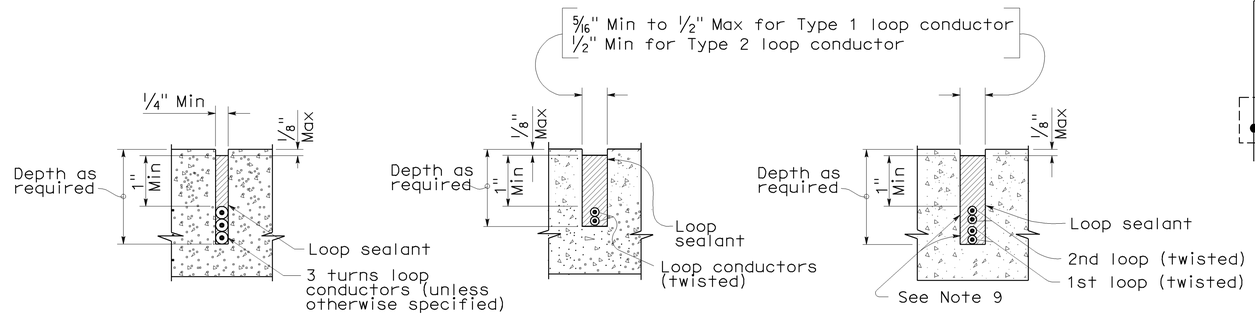






TYPICAL LOOP CONNECTIONS

(Dashed lines represent the pull box)



SECTION A-A | SECTION B-B | SECTION C-C

SLOT DETAILS - TYPE 1 AND TYPE 2 LOOP CONDUCTOR

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (DETECTORS)

NO SCALE

RSP ES-5A DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-5A
DATED MAY 1, 2006 - PAGE 423 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-5A

2006 REVISED STANDARD PLAN RSP ES-5A

8-17-07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	But,Sut	99	Var	60	63

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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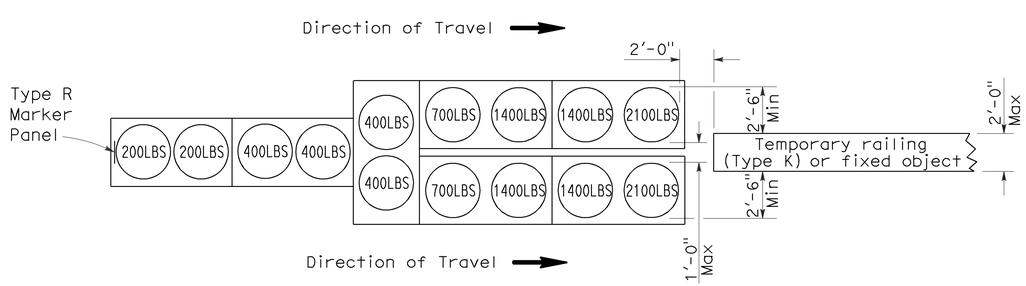
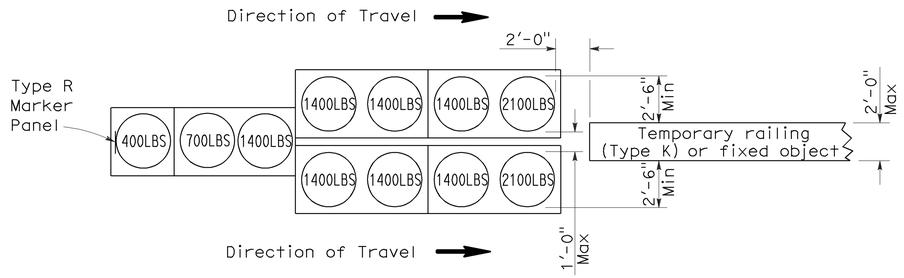
To accompany plans dated April 26, 2010



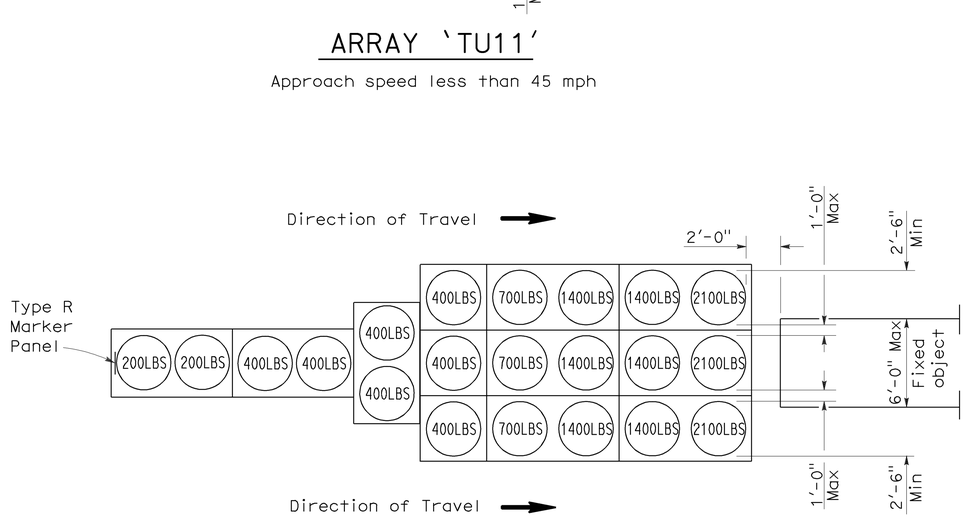
ARRAY 'TU14'

Approach speed 45 mph or more



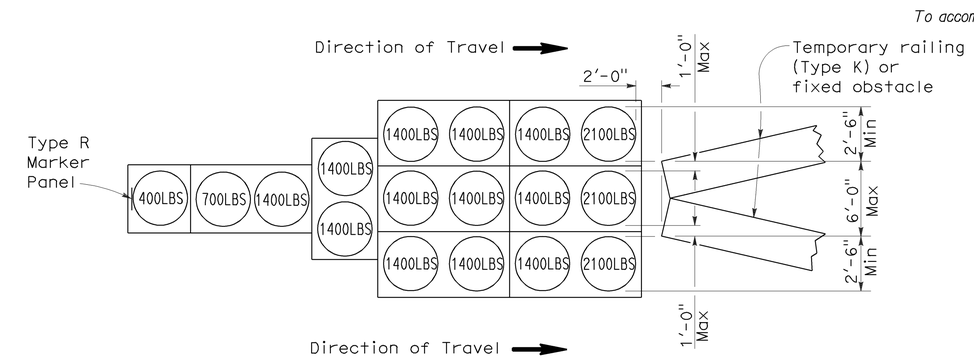
ARRAY 'TU11'

Approach speed less than 45 mph



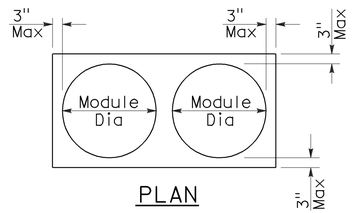
ARRAY 'TU21'

Approach speed 45 mph or more

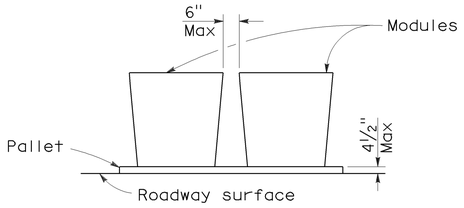


ARRAY 'TU17'

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	But,Sut	99	Var	61	63

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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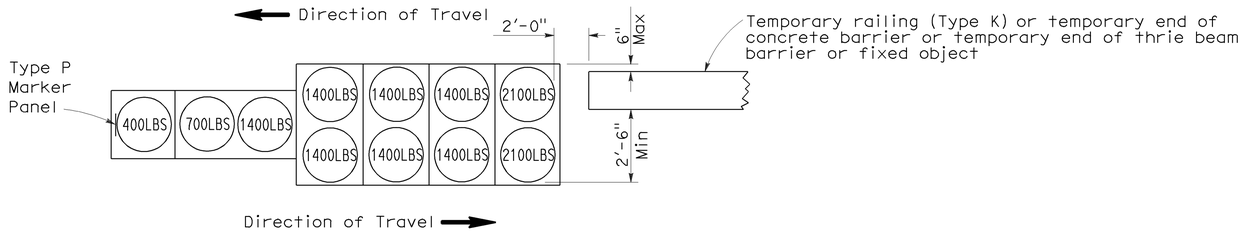
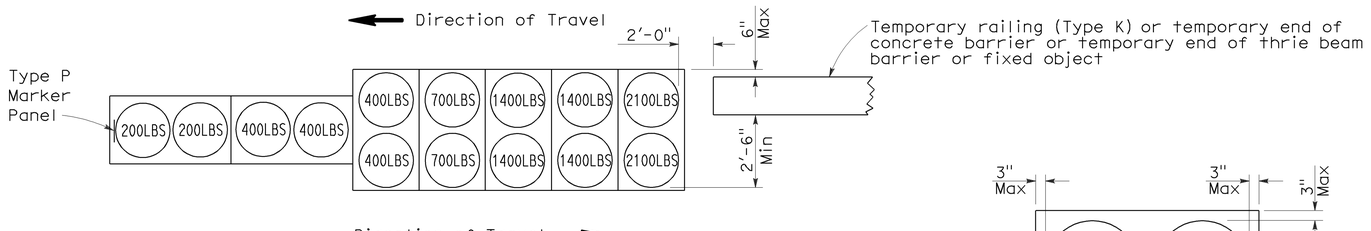
To accompany plans dated April 26, 2010



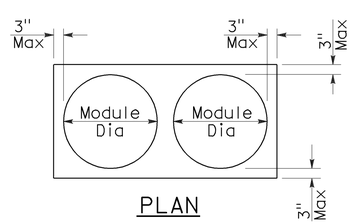
ARRAY 'TB11'

Approach speed less than 45 mph

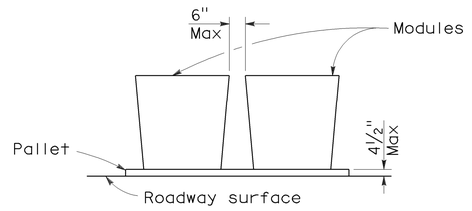


ARRAY 'TB14'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (BIDIRECTIONAL)

NO SCALE

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

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	But,Sut	99	Var	62	63

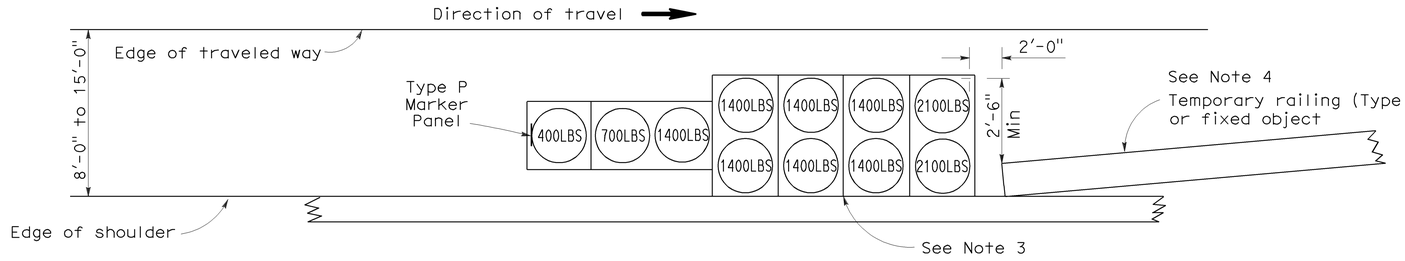
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

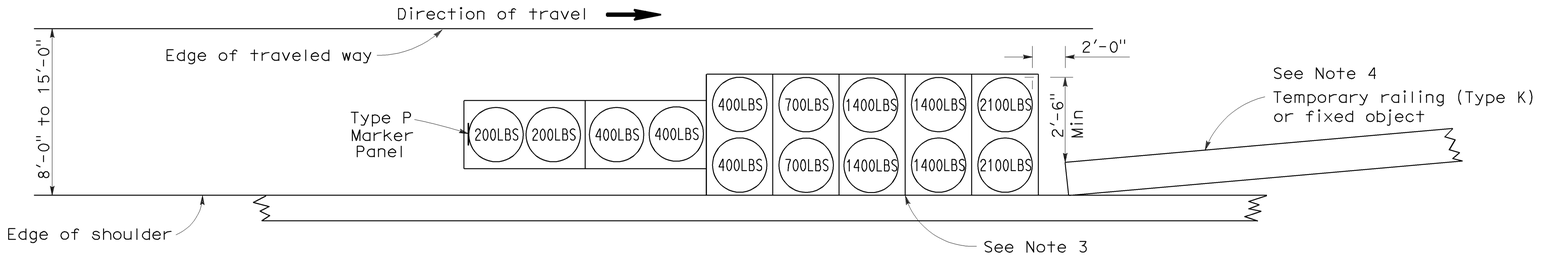
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated April 26, 2010



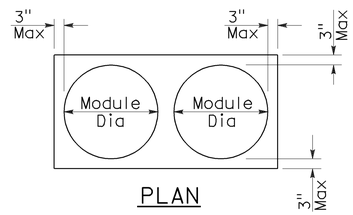
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

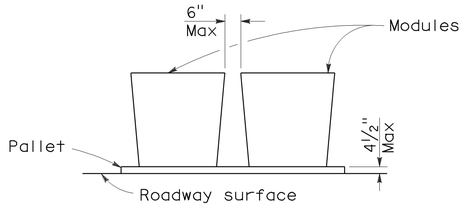


ARRAY 'TS14'

Approach speed 45 mph or more
See Note 9



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 11

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (SHOULDER INSTALLATIONS)

NO SCALE

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

REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	But,Sut	99	Var	63	63

REGISTERED CIVIL ENGINEER

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

November 17, 2006
PLANS APPROVAL DATE

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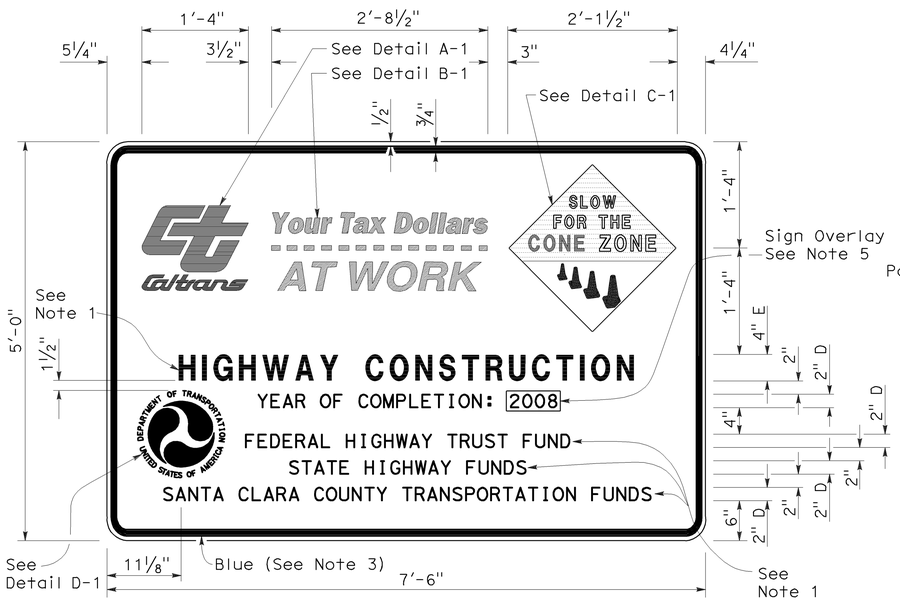
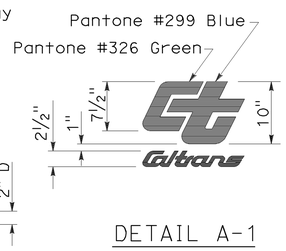
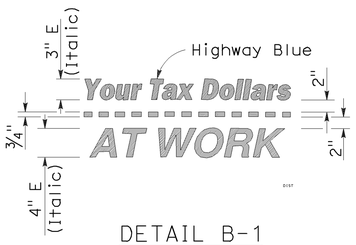
To accompany plans dated April 26, 2010



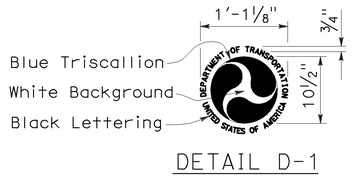
TYPE 1



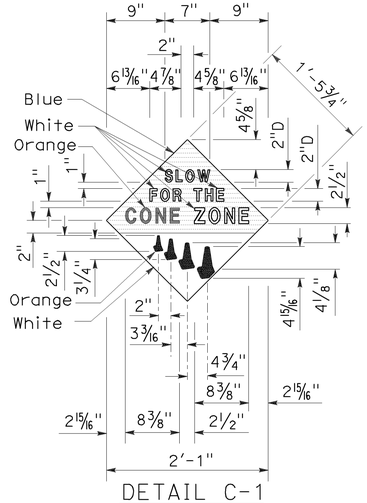
DETAIL A-1



DETAIL B-1
(See Note 3)



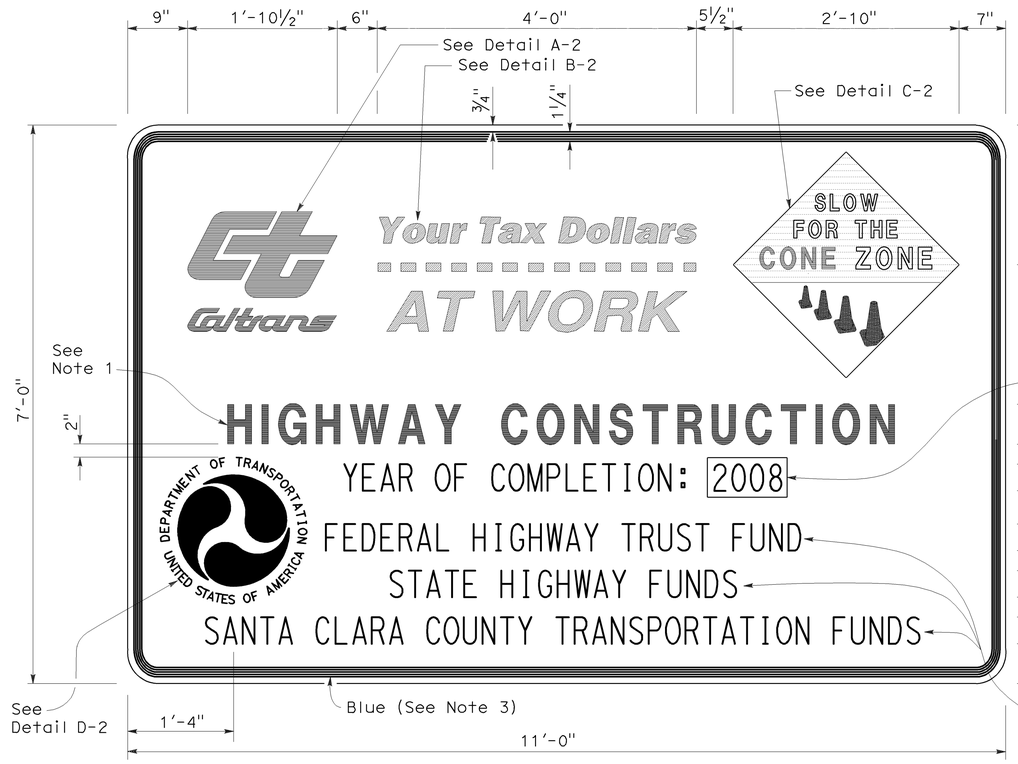
DETAIL D-1
(See Note 6)



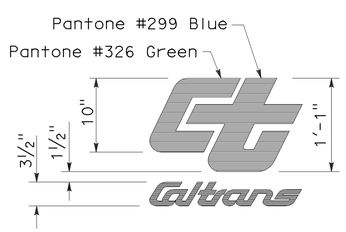
DETAIL C-1
(See Note 4)

NOTES:

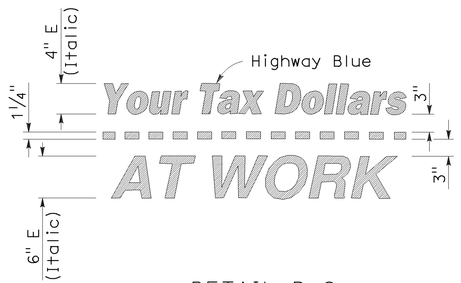
1. The sign messages shown for type of project and fund types are examples only. See the Special Provisions for the applicable type of project and fund type messages to be used.
2. Except as otherwise shown, the legend of sign shall be black on a white background (non-reflective).
3. The border of the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



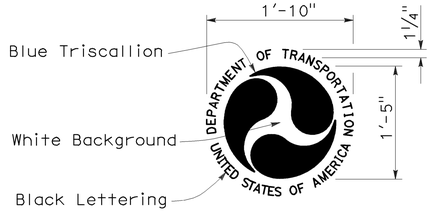
TYPE 2



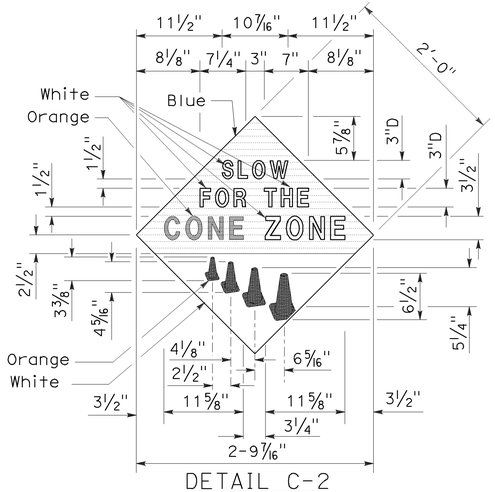
DETAIL A-2



DETAIL B-2
(See Note 3)



DETAIL D-2
(See Note 6)



DETAIL C-2
(See Note 4)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PROJECT FUNDING IDENTIFICATION SIGNS

NO SCALE

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

REVISED STANDARD PLAN RSP T7

2006 REVISED STANDARD PLAN RSP T7

9-7-06