| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 04 | SCI | 85,87 101, 280 | Var | 1 | 19 |

STATE OF CALIFORNIA

# DEPARTMENT OF TRANSPORTATION

# PROJECT PLANS FOR CONSTRUCTION ON

# STATE HIGHWAY

## IN SANTA CLARA COUNTY AT VARIOUS LOCATION

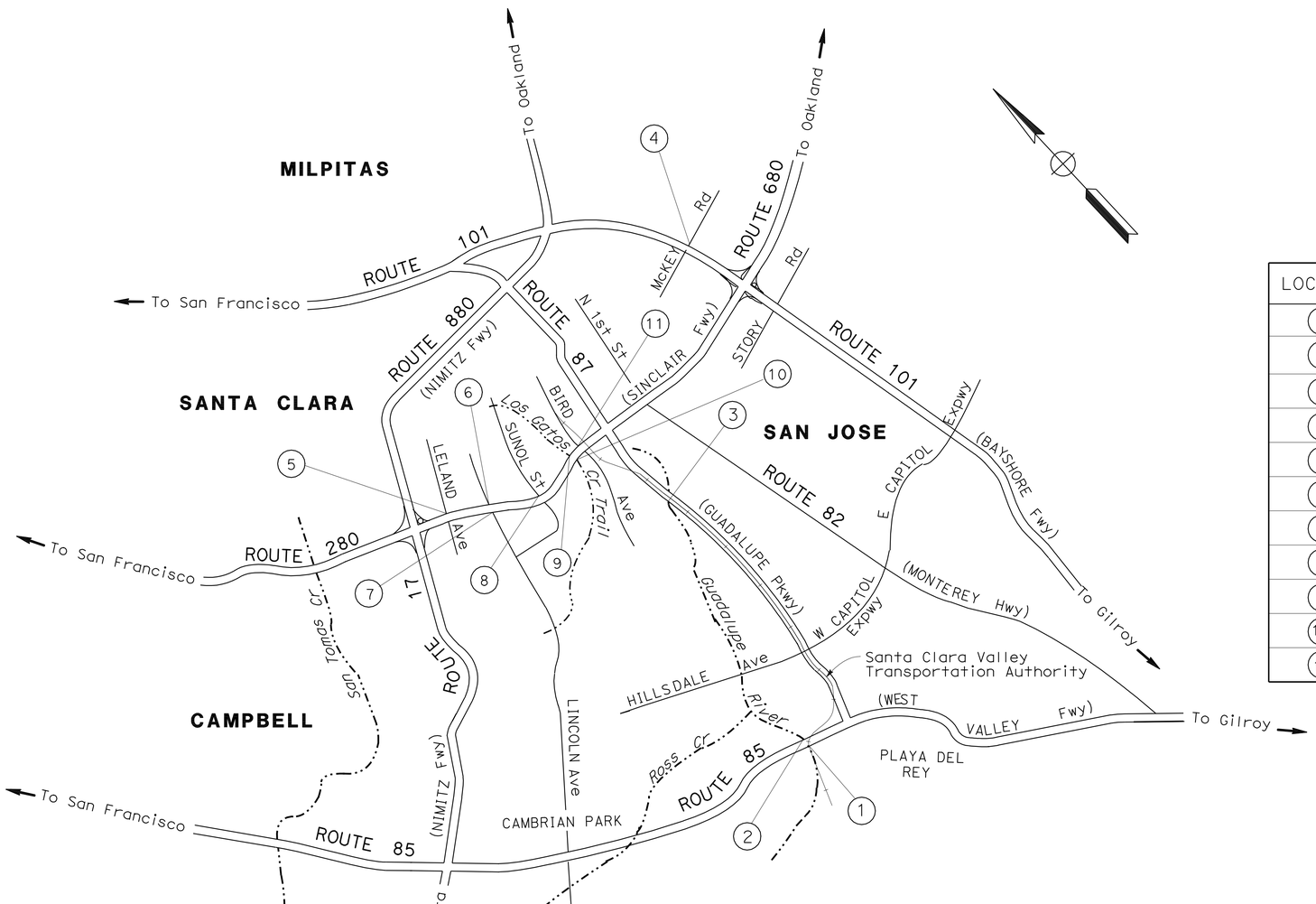
TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

INDEX OF PLANS


| SHEET No. | DESCRIPTION |
|---|---|
| 1 | TITLE AND LOCATION MAP |
| 2-7 | CONSTRUCTION AREA SIGNS |
| 8-9 | PAVEMENT DELINEATION DETAIL & QUANTITIES |
| 10-14 | REVISED AND NEW STANDARD PLANS |
| STRUCTURE PLANS | |
| 15-19 | GENERAL PLAN |


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

LOCATION MAP




NO SCALE

## LOCATIONS OF CONSTRUCTION

| LOCATION | ROUTE | PM | BRIDGE No. | BRIDGE NAME |
|---|---|---|---|---|
| 1 | 85 | 5.59 | 37-0467L | GUADALUPE RIVER |
| 2 | 85 | 5.59 | 37-0467R | GUADALUPE RIVER |
| 3 | 87 | 4.43 | 37-0566 | BYPASS CHANNEL |
| 4 | 101 | 36.12 | 37-0123 | McKEE Rd OC |
| 5 | 280 | L4.66 | 37-0255 | LELAND Ave OC |
| 6 | 280 | R3.51 | 37-0262L | LINCOLN Ave UC |
| 7 | 280 | R3.51 | 37-0262R | LINCOLN Ave UC |
| 8 | 280 | R3.41 | 37-0263L | SUNOL St RR UC |
| 9 | 280 | R3.19 | 37-0265L | LOS GATOS CREEK |
| 10 | 280 | R3.19 | 37-0265R | LOS GATOS CREEK |
| 11 | 280 | R2.87 | 37-0267 | BIRD Ave OC |

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

PROJECT MANAGER: RAMSES SARGISS

DESIGN ENGINEER: LOUIS PHAN

PROJECT ENGINEER REGISTERED CIVIL ENGINEER — DATE 6-09-11

September 12, 2011
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Fuk Nyan Kurniawan — No. 64659 — Exp. 6-30-13 — CIVIL — STATE OF CALIFORNIA

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

| CONTRACT No. | 04-2E2504 |
|---|---|
| PROJECT ID | 0400020050 |

LAST REVISION 08-30-11 — DATE PLOTTED => 20-SEP-2011 — TIME PLOTTED => 15:19

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 04 | SCI | 85,87 101,280 | Var | 2 | 19 |

REGISTERED CIVIL ENGINEER 6-09-11 DATE

9-12-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jerilyn L. Struven No. 49964 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA

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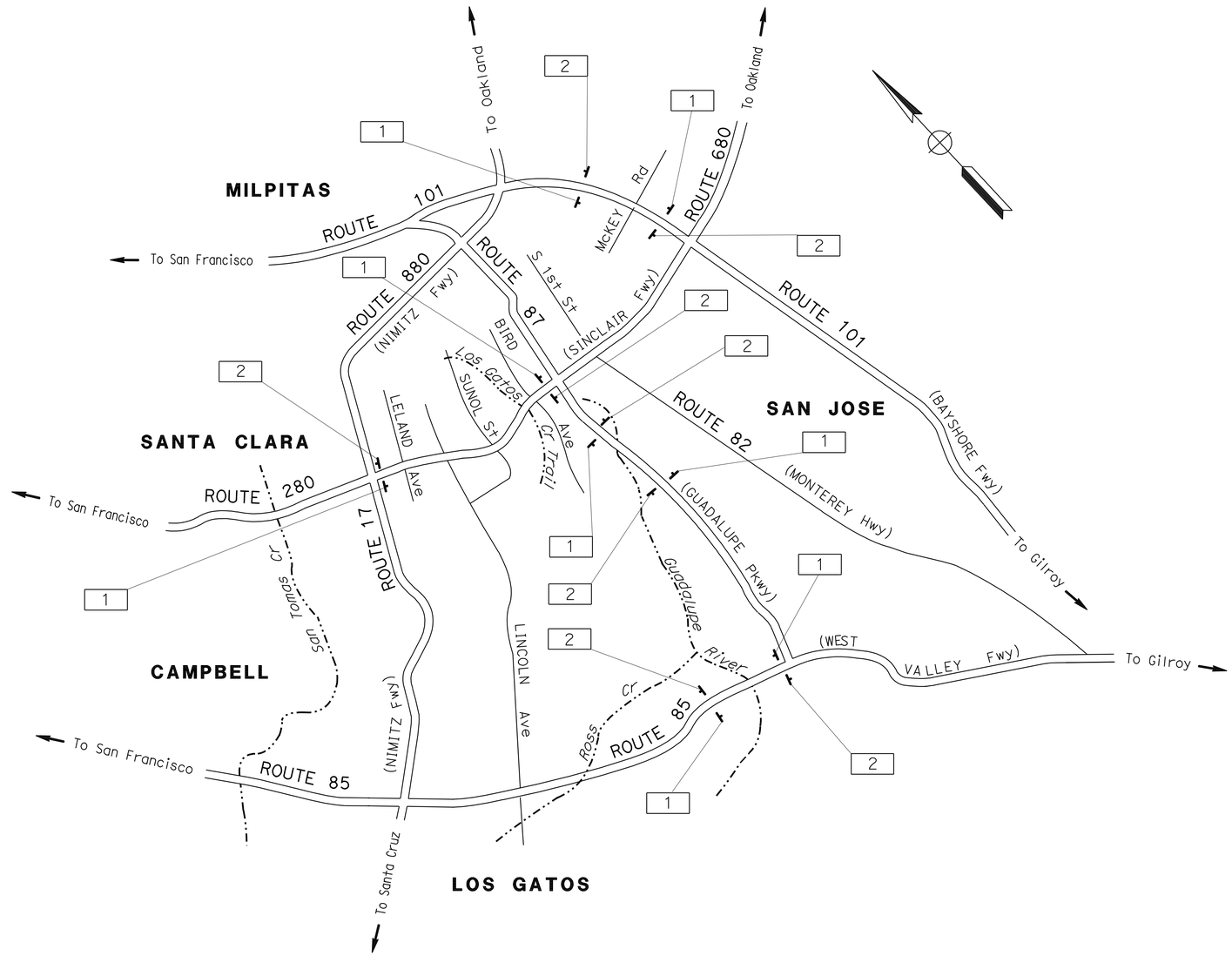



## LEGEND:

| | |
|---|---|
| No. | CONSTRUCTION AREA SIGN DESIGNATION |
| → | TRAFFIC DIRECTION |
| X | RAMP CLOSED |

## NOTES:

1. EXACT LOCATION AND POSITION OF ROADSIDE SIGNS AND CONSTRUCTION AREA SIGNS TO BE DETERMINED BY THE ENGINEER.
2. POST SIZE AND LENGTH GIVEN ARE APPROXIMATE. EXACT SIZE AND LENGTH TO BE DETERMINED BY THE ENGINEER.

# CONSTRUCTION AREA SIGNS

NO SCALE

*APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY*

**CS-1**

| | |
|---|---|
| REVISED BY | SL |
| DATE REVISED | 7/26/11 |
| STEPHEN LAU | |
| JERILYN L. STRUVEN | |
| CALCULATED-DESIGNED BY | |
| CHECKED BY | |
| FUNCTIONAL SUPERVISOR | |
| ROLAND AU-YEUNG | |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans®

**TRAFFIC**

LAST REVISION 07-26-11 | DATE PLOTTED => 20-SEP-2011 | TIME PLOTTED => 15:19

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 04 | SCI | 85,87 101, 280 | Var | 3 | 19 |

REGISTERED CIVIL ENGINEER 6-09-11 DATE

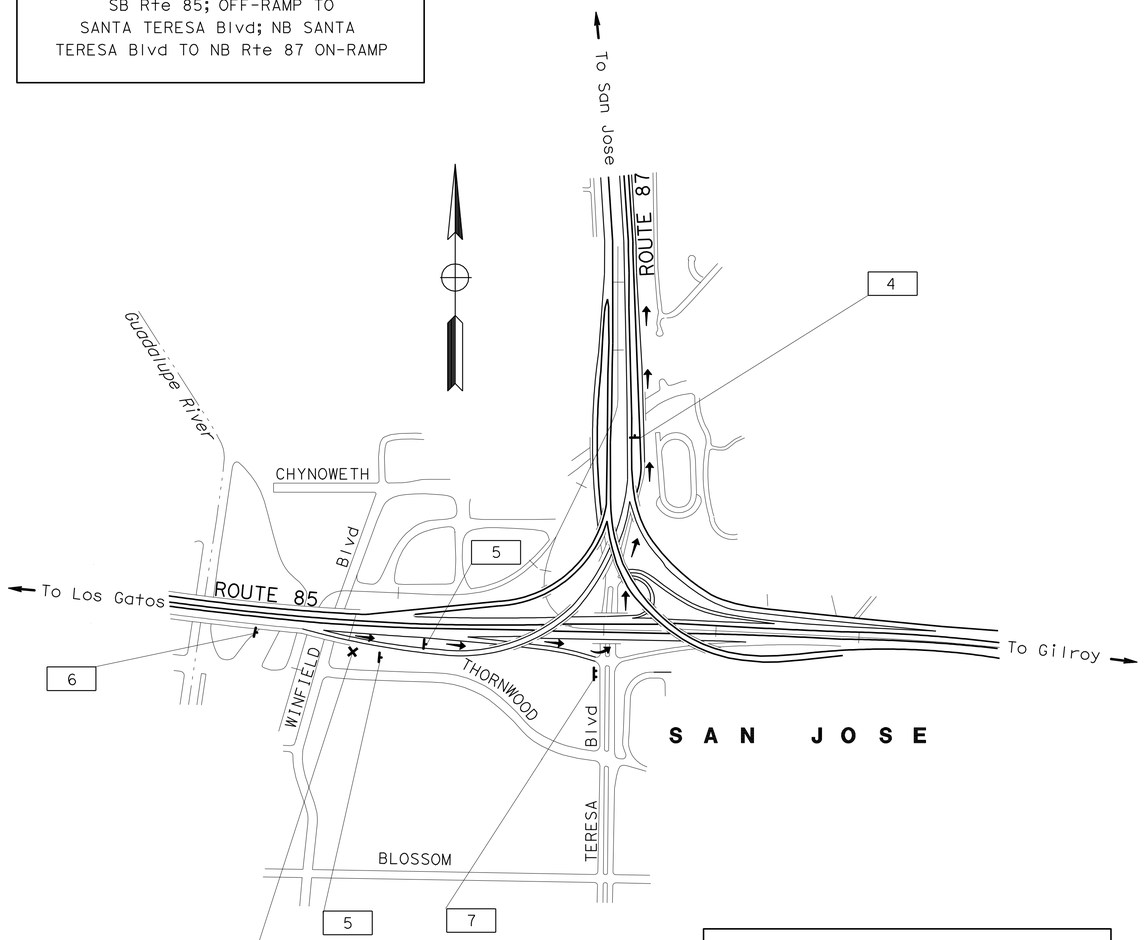
9-12-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jerilyn L. Struven No. 49964 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA

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

## DETOUR

VIA
SB Rte 85; OFF-RAMP TO
SANTA TERESA Blvd; NB SANTA
TERESA Blvd TO NB Rte 87 ON-RAMP




SB Rte 85 CONNECTOR
OFF-RAMP TO NB ROUTE 87
CLOSED

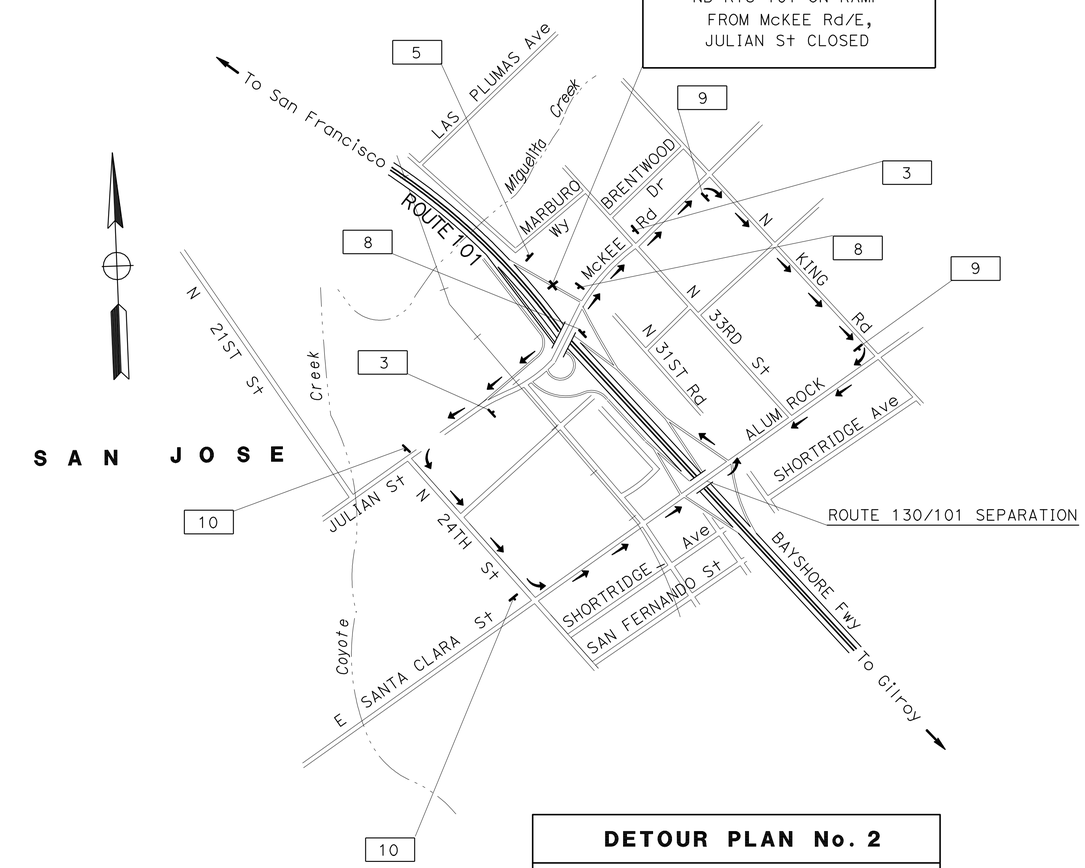
## DETOUR PLAN No. 1

SB Rte 85 CONNECTOR
OFF-RAMP TO NB ROUTE 87
CLOSURE

## DETOUR

VIA
EB-EB McKEE Rd; SB KING Rd
WB ALUM ROCK Rd to NB Rte
101 ON-RAMP
WB-WB JULIAN St; SB 24th St;
EB SANTA CLARA St to NB Rte 101

NB Rte 101 ON-RAMP
FROM McKEE Rd/E,
JULIAN St CLOSED




## DETOUR PLAN No. 2

NB Rte 101 ON-RAMP
FROM McKEE Rd/E. JULIAN
St CLOSURE

# CONSTRUCTION AREA SIGNS

NO SCALE

*APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY*

FOR NOTES AND LEGEND, SEE SHEET CS-1

**CS-2**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC

FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG
CALCULATED-DESIGNED BY: STEPHEN LAU
CHECKED BY: JERILYN L. STRUVEN
REVISED BY: SL
DATE REVISED: 7/26/11

LAST REVISION 07-26-11
DATE PLOTTED => 20-SEP-2011
TIME PLOTTED => 15:19

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 04 | SCI | 85,87 101, 280 | Var | 4 | 19 |

REGISTERED CIVIL ENGINEER 6-09-11 DATE

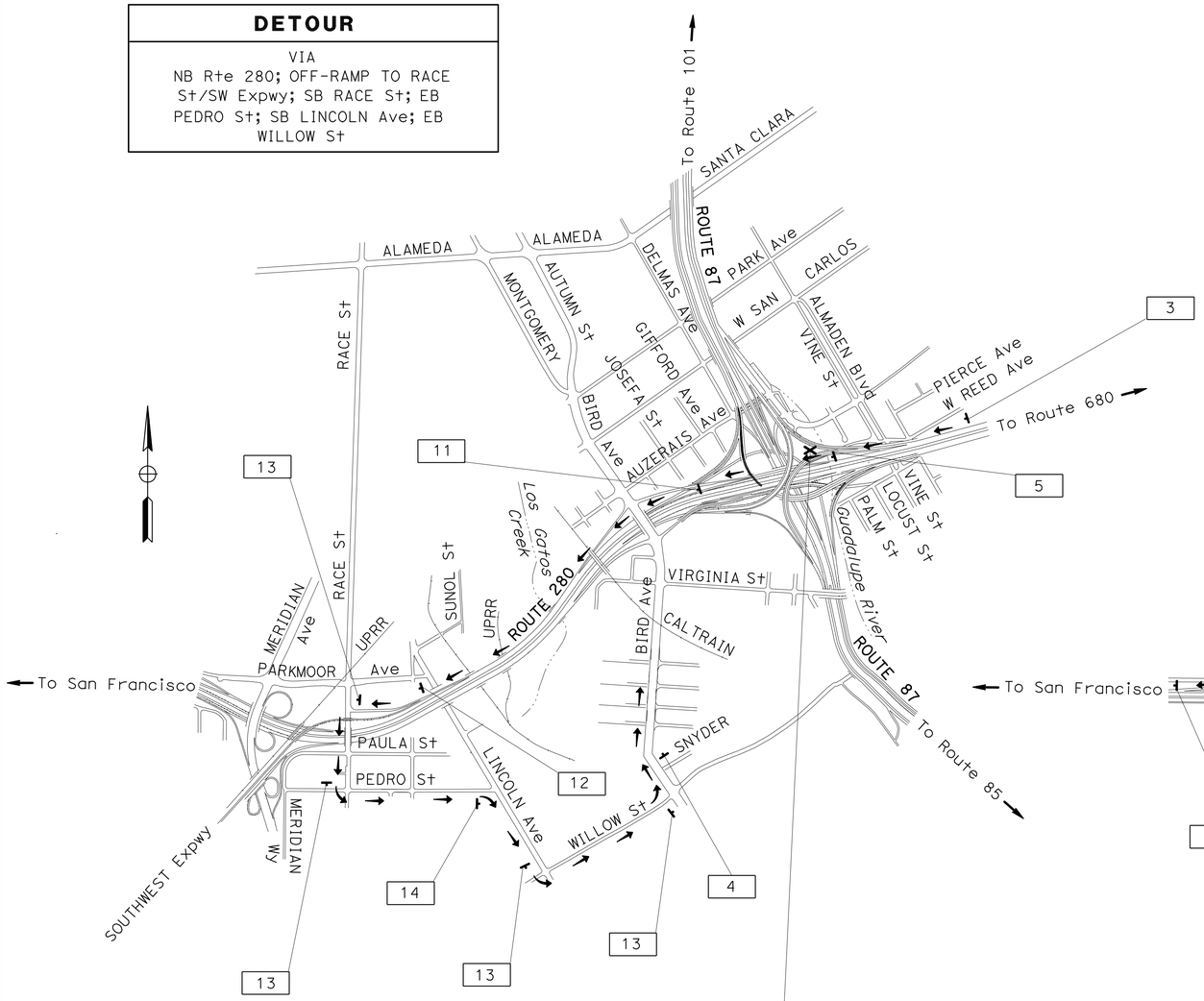
9-12-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jerilyn L. Struven No. 49964 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA

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

**DETOUR**

VIA
NB Rte 280; OFF-RAMP TO RACE St/SW Expwy; SB RACE St; EB PEDRO St; SB LINCOLN Ave; EB WILLOW St




NB OFF-RAMP TO BIRD Ave CLOSED

**DETOUR PLAN No. 3**

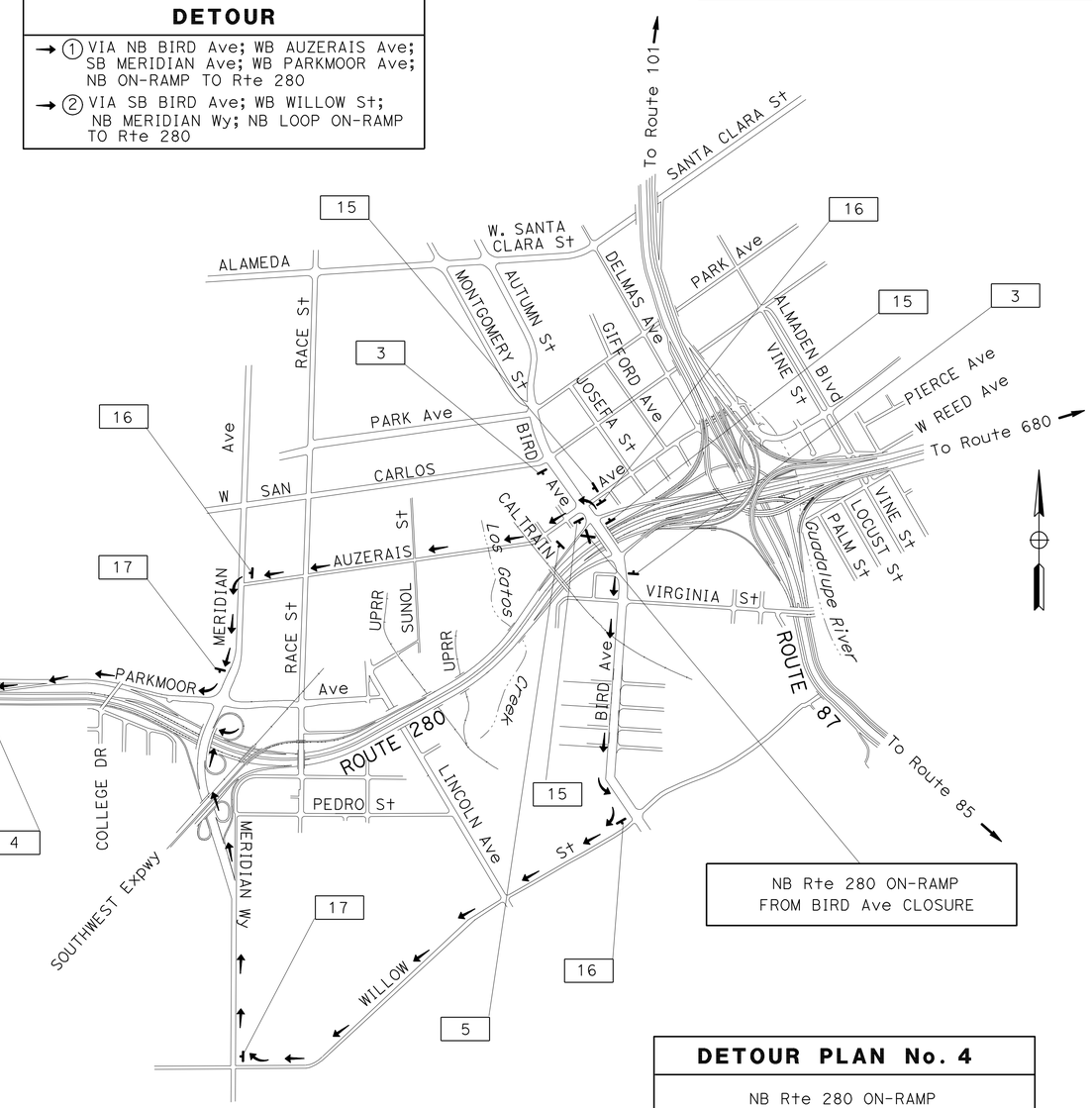
NB Rte 280 OFF-RAMP TO BIRD Ave CLOSURE

SCI-Var-Var
0400020050 (2e2501)
TREAT BRIDGE DECKS

**DETOUR**

→ ① VIA NB BIRD Ave; WB AUZERAIS Ave; SB MERIDIAN Ave; WB PARKMOOR Ave; NB ON-RAMP TO Rte 280

→ ② VIA SB BIRD Ave; WB WILLOW St; NB MERIDIAN Wy; NB LOOP ON-RAMP TO Rte 280




NB Rte 280 ON-RAMP FROM BIRD Ave CLOSURE

**DETOUR PLAN No. 4**

NB Rte 280 ON-RAMP FROM BIRD Ave CLOSURE

# CONSTRUCTION AREA SIGNS

NO SCALE

*APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY*

FOR NOTES AND LEGEND, SEE SHEET CS-1

**CS-3**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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TRAFFIC

FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG
CALCULATED-DESIGNED BY: STEPHEN LAO
CHECKED BY: JERILYN L. STRUVEN
REVISED BY: SL
DATE REVISED: 7/26/11

LAST REVISION 07-26-11 | DATE PLOTTED => 20-SEP-2011 | TIME PLOTTED => 15:19

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 04 | SCI | 85,87 101, 280 | Var | 5 | 19 |

REGISTERED CIVIL ENGINEER 6-09-11 DATE

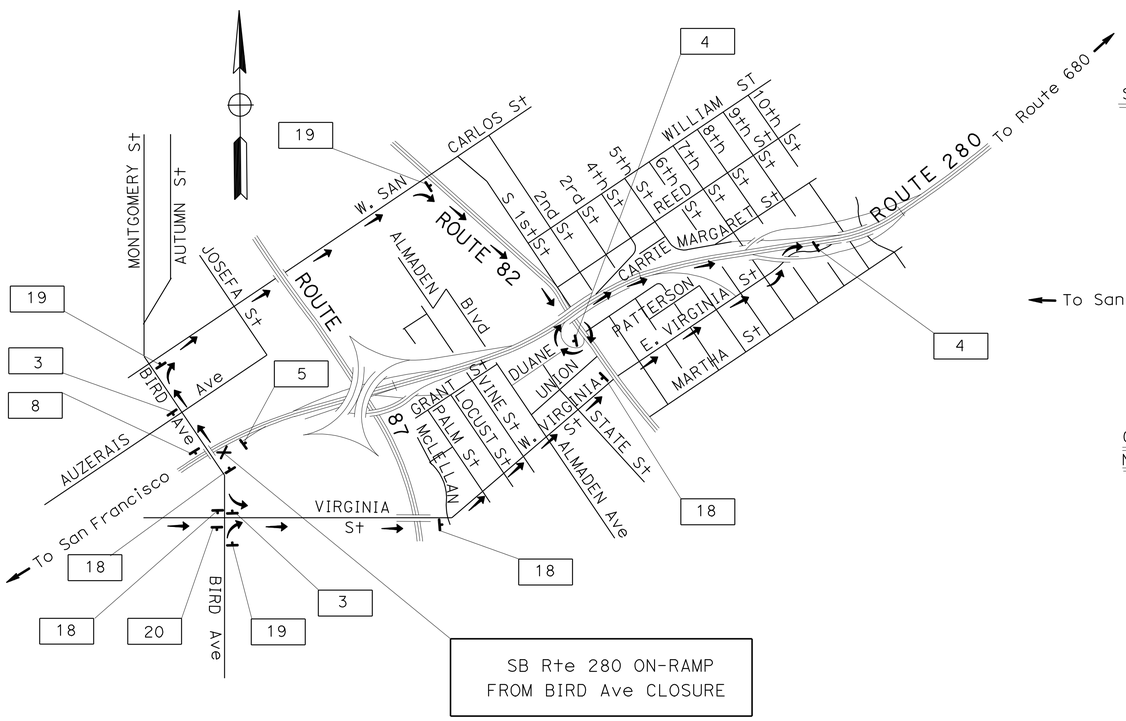
9-12-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jerilyn L. Struven No. 49964 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA

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

**DETOUR**

VIA
NB BIRD Ave; EB W. SAN CARLOS St; SB MARKET St; SB S. 1st St TO SB Rte 280 ON-RAMP
SB BIRD Ave; EB W. VIRGINIA St; EB E. VIRGINIA St TO SB Rte 280 ON-RAMP



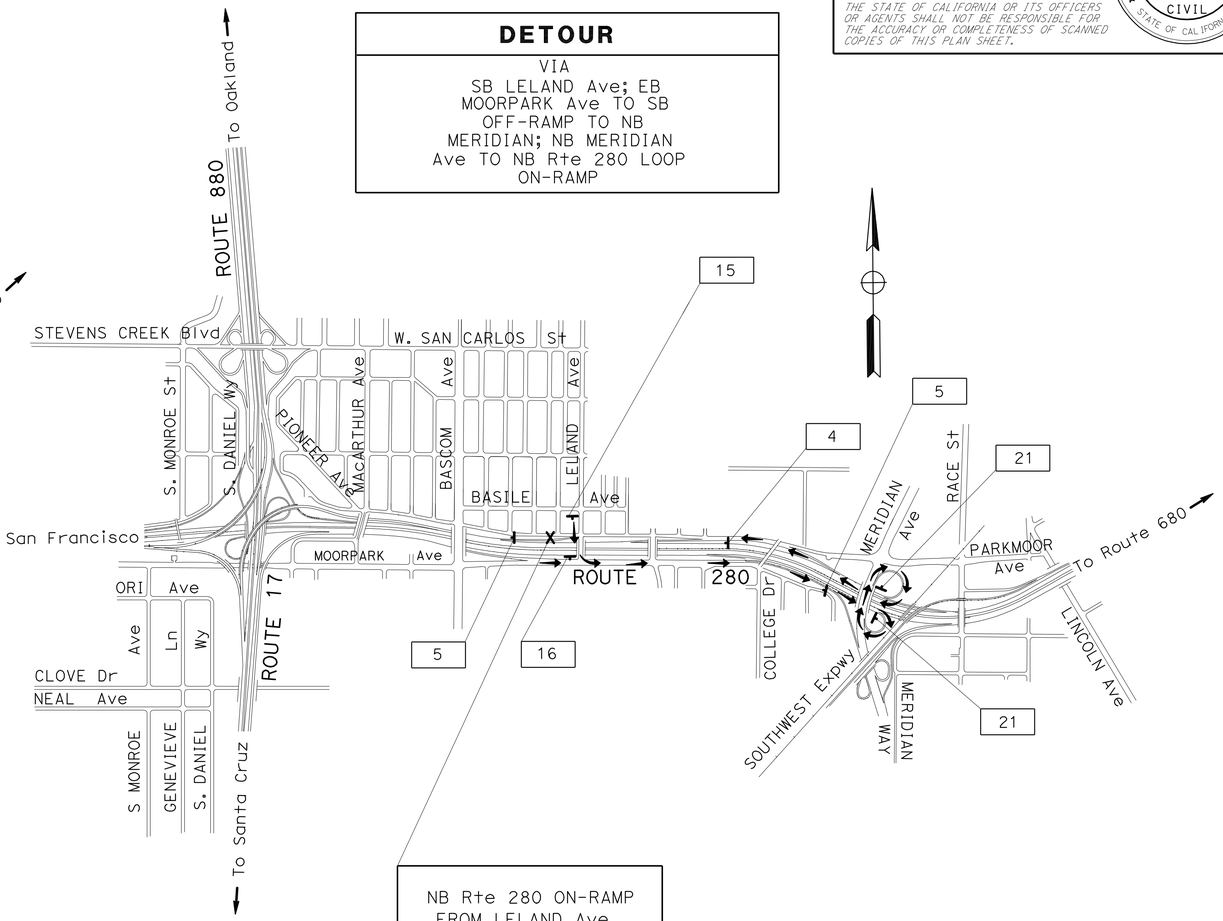

SB Rte 280 ON-RAMP
FROM BIRD Ave CLOSURE

**DETOUR No. 5**

SB Rte 280 ON-RAMP
FROM BIRD Ave CLOSURE

**DETOUR**

VIA
SB LELAND Ave; EB MOORPARK Ave TO SB OFF-RAMP TO NB MERIDIAN; NB MERIDIAN Ave TO NB Rte 280 LOOP ON-RAMP




NB Rte 280 ON-RAMP
FROM LELAND Ave
CLOSED

**DETOUR No. 6**

NB Rte 280 ON-RAMP
FROM LELAND Ave CLOSURE

# CONSTRUCTION AREA SIGNS

NO SCALE

*APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY*

FOR NOTES AND LEGEND, SEE SHEET CS-1

**CS-4**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC

FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG
CALCULATED-DESIGNED BY: STEPHEN LAU
CHECKED BY: JERILYN L. STRUVEN
REVISED BY: SL
DATE REVISED: 7/26/11

LAST REVISION 07-26-11
DATE PLOTTED => 20-SEP-2011
TIME PLOTTED => 15:20

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 04 | SCI | 85,87 101, 280 | Var | 6 | 19 |

REGISTERED CIVIL ENGINEER 6-09-11 DATE

9-12-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jerilyn L. Struven No. 49964 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA

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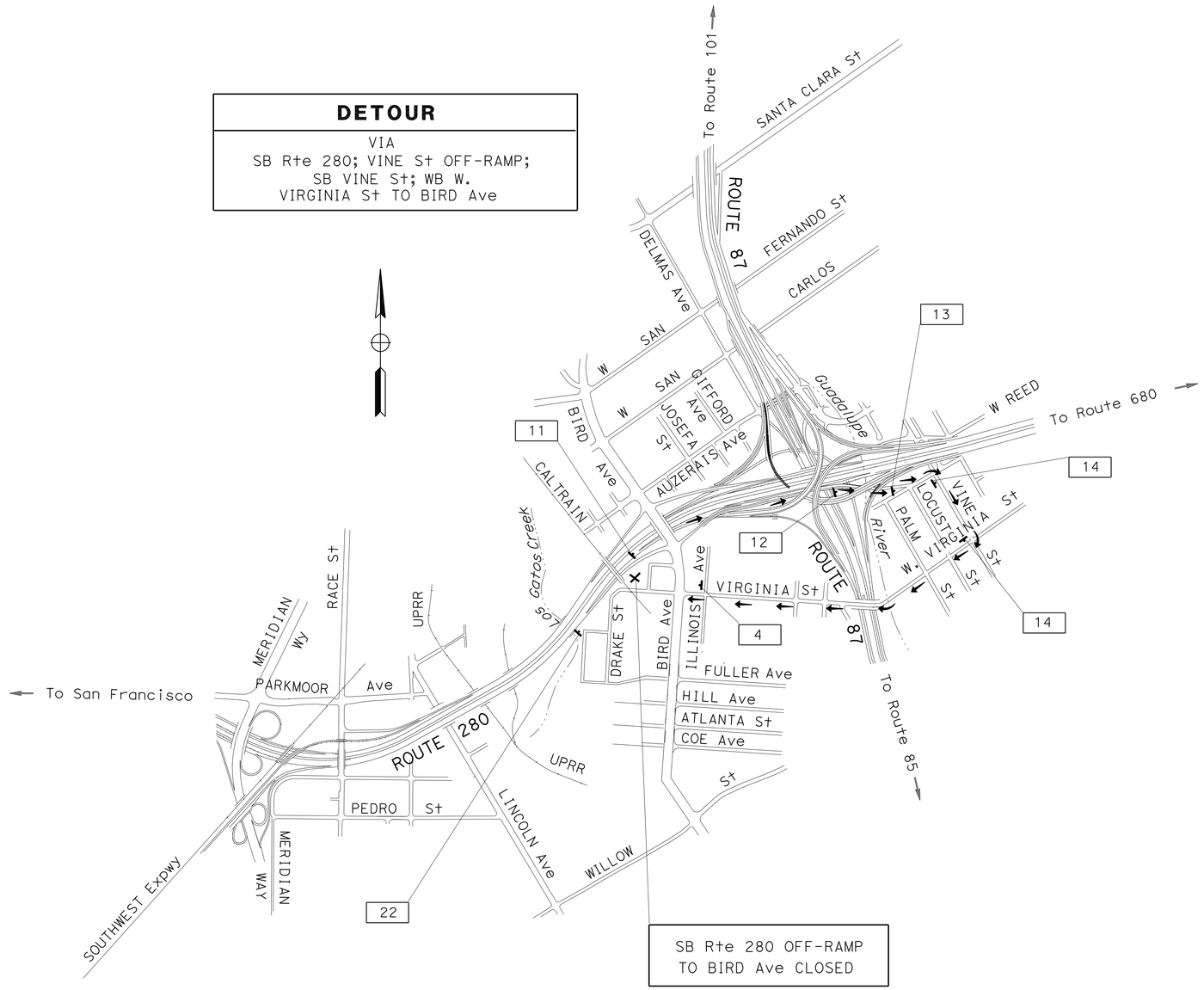
**DETOUR**

VIA
SB Rte 280; VINE St OFF-RAMP;
SB VINE St; WB W.
VIRGINIA St TO BIRD Ave




SB Rte 280 OFF-RAMP
TO BIRD Ave CLOSED

**DETOUR PLAN No. 7**

SB Rte 280 OFF-RAMP
TO BIRD Ave CLOSURE

*APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY*

FOR NOTES AND LEGEND, SEE SHEET CS-1

# CONSTRUCTION AREA SIGNS

NO SCALE

**CS-5**

| REVISED BY | DATE REVISED |
|---|---|
| SL | 7/26/11 |

STEPHEN LAU
JERILYN L. STRUVEN
CALCULATED-DESIGNED BY
CHECKED BY
FUNCTIONAL SUPERVISOR
ROLAND AU-YEUNG

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LAST REVISION 07-26-11 | DATE PLOTTED => 20-SEP-2011 | TIME PLOTTED => 15:20

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 04 | SCI | 85,87 101, 280 | Var | 7 | 19 |

REGISTERED CIVIL ENGINEER 6-09-11 DATE

9-12-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jerilyn L. Struven No. 49964 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA

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

| BIRD Ave CLOSED USE VINE Ave | 96" x 30" 6" CAPS |
|---|---|

SPEC 1

| BIRD Ave | 54" x 18" 6" CAPS |
|---|---|

SPEC 2

## STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

| SIGN No. | SIGN CODE | SIGN MESSAGE | PANEL SIZE | NUMBER OF POST AND SIZE | QUANTITY |
|---|---|---|---|---|---|
| 1 | W20-1 | ROAD WORK AHEAD | 48" x 48" | (ONE) 4" x 6" | 8 |
| 2 | G20-2 | END ROAD WORK | 48" x 24" | (ONE) 4" x 4" | 8 |
| 3 | W20-2 | DETOUR AHEAD | 48" x 48" | (ONE) 4" x 6" | 7 |
| 4 | M4-8a | END DETOUR | 24" x 18" | (ONE) 4" x 4" | 7 |
| 5 | SC6-4(CA) | RAMP CLOSED | 60" x 48" | (TWO) 4" x 4" | 6 |
| 6 | SC-3-(↑)(CA) | DETOUR (STRAIGHT AHEAD ARROW) | 48" x 18" | (ONE) 4" x 6" | 1 |
| | M3-3 | SOUTH | 21" x 9" | | |
| | G28-2(87)(CA) | ROUTE SHIELD | 24" x 25" | | |
| 7 | M4-8 | DETOUR | 21" x 9" | (ONE) 4" x 6" | 1 |
| | M3-3 | SOUTH | 21" x 9" | | |
| | G28-2(87)(CA) | ROUTE SHIELD | 24" x 25" | | |
| | M6-2(↗) | DETOUR (DIAGONAL ARROW) | 21" x 15" | | |
| 8 | SC-3-(↑)(CA) | DETOUR (STRAIGHT AHEAD ARROW) | 48" x 18" | | 2 |
| | M3-1 | NORTH | 21" x 9" | | |
| | G26-2(101)(CA) | ROUTE SHIELD | 28" x 24" | | |
| 9 | M4-10 (RT) | DETOUR (RIGHT) | 48" x 18" | (ONE) 4" x 6" | 2 |
| | M3-1 | NORTH | 21" x 9" | | |
| | G26-2(101)(CA) | ROUTE SHIELD | 28" x 24" | | |
| 10 | M4-10 (LT) | DETOUR (LEFT) | 48" x 18" | (ONE) 4" x 6" | 2 |
| | M3-1 | NORTH | 21" x 9" | | |
| | G26-2(101)(CA) | ROUTE SHIELD | 28" x 24" | | |
| 11 | SC-3-(↑)(CA) | DETOUR (STRAIGHT AHEAD ARROW) | 48" x 18" | (ONE) 4" x 6" | 2 |
| | SPEC 2 | BIRD Ave | 54" x 18" | | |
| 12 | M4-8 | DETOUR | 21" x 9" | (ONE) 4" x 6" | 2 |
| | SPEC 2 | BIRD Ave | 54" x 18" | | |
| | M6-2(↗) | DETOUR (DIAGONAL ARROW) | 21" x 15" | | |

## STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

| SIGN No. | SIGN CODE | SIGN MESSAGE | PANEL SIZE | NUMBER OF POST AND SIZE | QUANTITY |
|---|---|---|---|---|---|
| 13 | M4-10 (LT) | DETOUR (LEFT) | 48" x 18" | (ONE) 4" x 6" | 5 |
| | SPEC 2 | BIRD Ave | 54" x 18" | | |
| 14 | M4-10 (RT) | DETOUR (RIGHT) | 48" x 18" | (ONE) 4" x 6" | 3 |
| | SPEC 2 | BIRD Ave | 54" x 18" | | |
| 15 | SC-3-(↑)(CA) | DETOUR (STRAIGHT AHEAD ARROW) | 48" x 18" | (TWO) 4" x 4" | 4 |
| | M3-1 | NORTH | 21" x 9" | (ONE) 4" x 6" | 4 |
| | G27-2(280)(CA) | ROUTE SHIELD | 30" x 25" | | |
| 16 | M4-10 (LT) | DETOUR (LEFT) | 48" x 18" | (ONE) 4" x 6" | 4 |
| | M3-1 | NORTH | 21" x 9" | | |
| | G27-2(280)(CA) | ROUTE SHIELD | 30" x 25" | | |
| 17 | M4-10 (RT) | DETOUR (RIGHT) | 48" x 18" | (ONE) 4" x 6" | 2 |
| | M3-1 | NORTH | 21" x 9" | | |
| | G27-2(280)(CA) | ROUTE SHIELD | 30" x 25" | | |
| 18 | SC-3-(↑)(CA) | DETOUR (STRAIGHT AHEAD ARROW) | 48" x 18" | (ONE) 4" x 6" | 4 |
| | M3-3 | SOUTH | 21" x 9" | | |
| | G27-2(280)(CA) | ROUTE SHIELD | 30" x 25" | | |
| 19 | M4-10 (RT) | DETOUR (RIGHT) | 48" x 18" | (ONE) 4" x 6" | 3 |
| | M3-3 | SOUTH | 21" x 9" | | |
| | G27-2(280)(CA) | ROUTE SHIELD | 30" x 25" | | |
| 20 | M4-10 (LT) | DETOUR (LEFT) | 48" x 18" | (ONE) 4" x 6" | 1 |
| | M3-3 | SOUTH | 21" x 9" | | |
| | G27-2(280)(CA) | ROUTE SHIELD | 30" x 25" | | |
| 21 | M4-8 | DETOUR | 21" x 9" | (ONE) 4" x 6" | 2 |
| | M3-1 | NORTH | 21" x 9" | | |
| | G27-2(280)(CA) | ROUTE SHIELD | 30" x 25" | | |
| | M6-2(↗) | DETOUR (DIAGONAL ARROW) | 21" x 15" | | |
| 22 | SPEC 1 | BIRD Ave CLOSED, USE VINE Ave | 96" x 30" | (TWO) 4" x 6" | 1 |

*APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY*

FOR NOTES AND LEGEND, SEE SHEET CS-1

# CONSTRUCTION AREA SIGNS

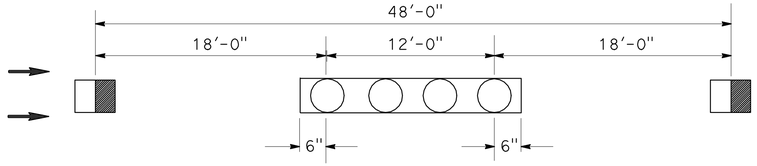
NO SCALE

**CS-6**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC

FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG
CALCULATED-DESIGNED BY: STEPHEN LAU
CHECKED BY: JERILYN L. STRUVEN
REVISED BY: SL
DATE REVISED: 7/26/11

LAST REVISION 07-26-11
DATE PLOTTED => 20-SEP-2011
TIME PLOTTED => 15:20




**DETAIL 13M**
NO SCALE

**NOTE:**

1. INSTALL 4" WHITE STRIPE AFTER INSTALLING PAVEMENT MARKERS.

**LEGEND:**

- TYPE G ONE-WAY CLEAR RETROREFLECTIVE MARKER
- TYPE A WHITE NON-REFLECTIVE MARKER
- 4" WHITE STRIPE

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 04 | SCI | 85,87 101, 280 | Var | 8 | 19 |

REGISTERED CIVIL ENGINEER 6-09-11 DATE

9-12-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Fuk Nyan Kurniawan No. 64659 Exp. 6-30-13 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.*

# TRAFFIC STRIPES, PAVEMENT MARKING AND PAVEMENT MARKERS

| LOCATION BRIDGE NAME BRIDGE No. ROUTE POST MILE | DETAIL No. OR PAVEMENT MARKING | REMOVE PAVEMENT MARKER | REMOVE THERMOPLASTIC TRAFFIC STRIPE | | PAVEMENT MARKER | | | THERMOPLASTIC TRAFFIC STRIPE | | | | | INSTALL THERMOPLASTIC PAVEMENT MARKING | REMOVE THERMOPLASTIC PAVEMENT MARKING |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | NON-REFLECTIVE | RETRO-REFLECTIVE | | SOLID | | | BROKEN | | | |
| | | | | | | | | YELLOW | WHITE | | 35-13 | 12-3 | | |
| | | | YELLOW | WHITE | TYPE A | TYPE G | TYPE H | 4" | 4" | 8" | 4" | 8" | | |
| | LF | EA | LF | | EA | | | LF | | | | | SQFT | |
| GUADALUPE RIVER Br No. 37-0467L SCI-85 5.59 | 13M | 488 | | 1402 | 468 | | | | | | 5610 | | | |
| | 25 | 35 | 1670 | | | 20 | 35 | 1670 | | | | | | |
| | 27B | | | 1670 | | | | | 1670 | | | | | |
| | 37B | | | 407 | | 57 | | | | | | 1670 | | |
| | 8" WHITE MARKING | | | | | | | | | | | | 40 | 40 |
| | CARPOOL DIAMOND | | | | | | | | | | | | 8 | 8 |
| GUADALUPE RIVER Br No. 37-0467R SCI-85 5.59 | 13M | 488 | | 1402 | 468 | 20 | | | | | 5610 | | | |
| | 25 | 35 | 1670 | | | | 35 | 1670 | | | | | | |
| | 27B | | | 1670 | | | | | 1670 | | | | | |
| | 37B | | | 407 | | 57 | | | | | | 1670 | | |
| | 8" WHITE MARKING | | | | | | | | | | | | 40 | 40 |
| | CARPOOL DIAMOND | | | | | | | | | | | | 8 | 8 |
| BYPASS CHANNEL Br No. 37-0566 SCI-87 4.43 | 13M | 20 | | 30 | 16 | 4 | | | | | 120 | | | |
| | 25 | 4 | 60 | | | | 4 | 60 | | | | | | |
| | 27B | | | 60 | | | | | 60 | | | | | |
| McKEE Rd OC Br No. 37-0123 SCI-101 36.1 | 13M | 14 | | 160 | 14 | | | | | | 636 | | | |
| | 25 | 14 | 636 | | | | 14 | 636 | | | | | | |
| | 27B | | | 318 | | | | | 318 | | | | | |
| | 38A | | | 320 | | | | | | 160 | | | | |
| LELAND Ave OC Br No. 37-0255 SCI-280 4.66 | 13M | 20 | | 60 | 20 | | 48 | | | | 238 | | | |
| | 22 | 24 | 254 | | | | 24 | 254 | | | | | | |
| | 25 | 10 | 476 | | | | 10 | 476 | | | | | | |
| | 27B | | | 476 | | | | | 476 | | | | | |
| | 8" WHITE MARKING | | | | | | | | | | | | 130 | 130 |
| | Typ III (L) ARROW | | | | | | | | | | | | 84 | 84 |
| LINCOLN Ave UC Br No. 37-0262L SCI-280 5.41 | 13M | 70 | | 163 | 56 | 14 | | | | | 562 | | | |
| | 25 | 4 | 163 | | | | 4 | 163 | | | | | | |
| | 27B | | | 326 | | | | | 326 | | | | | |
| SUBTOTAL | | 786 | 4929 | 8871 | 1042 | 172 | 174 | 4929 | 4520 | 160 | 12776 | 3340 | 310 | 310 |

# PAVEMENT DELINEATION DETAIL AND QUANTITIES

# PDQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: RAMSES SARGISS
CALCULATED-DESIGNED BY / CHECKED BY
REVISED BY: LP — DATE REVISED: 7/26/11
LOUIS PHAN — FUK NYAN KURNIAWAN

LAST REVISION 07-26-11 — DATE PLOTTED => 20-SEP-2011 — TIME PLOTTED => 15:20

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 04 | SCI | 85,87 101, 280 | Var | 9 | 19 |

REGISTERED CIVIL ENGINEER 6-09-11 DATE

9-12-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Fuk Nyan Kurniawan No. 64659 Exp. 6-30-13 CIVIL STATE OF CALIFORNIA

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# TRAFFIC STRIPES, PAVEMENT MARKING AND PAVEMENT MARKERS

| LOCATION BRIDGE NAME BRIDGE No. ROUTE POST MILE | DETAIL No. OR PAVEMENT MARKING | REMOVE PAVEMENT MARKER | REMOVE THERMOPLASTIC TRAFFIC STRIPE | | PAVEMENT MARKER | | | THERMOPLASTIC TRAFFIC STRIPE | | | | | THERMOPLASTIC PAVEMENT MARKING | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | NON-REFLECTIVE | RETRO-REFLECTIVE | | SOLID | | | BROKEN | | | |
| | | | | | | | | YELLOW | WHITE | | 35-13 | 12-3 | | |
| | | | YELLOW | WHITE | TYPE A | TYPE G | TYPE H | 4" | 4" | 8" | 4" | 8" | INSTALL | REMOVE |
| | LF | EA | LF | | EA | | | LF | | | | | SQFT | |
| LINCOLN Ave UC Br No. 37-0262R SCI-280 5.41 | 13M | 55 | | 123 | 44 | 11 | | | | | 489 | | | |
| | 25 | 4 | 163 | | | | 4 | 163 | | | | | | |
| | 27B | | | 326 | | | | | 326 | | | | | |
| | | | | | | | | | | | | | | |
| SUNOL St RR UC Br No. 37-0362L SCI-280 3.41 | 13M | 70 | | 160 | 56 | 14 | | | | | 640 | | | |
| | 25 | 4 | 160 | | | | 4 | 160 | | | | | | |
| | 27B | | | 160 | | | | | 160 | | | | | |
| | 37B | 11 | | 64 | | 11 | | | | | 160 | | | |
| LOS GATOS Cr Br No. 37-0265L SCI-280 3.19 | 13M | 70 | | 159 | 56 | 14 | | | | | 636 | | | |
| | 25 | 5 | 212 | | | | 4 | 212 | | | | | | |
| | 27B | | | 212 | 72 | 18 | | | 212 | | | | | |
| | 39A | | | 141 | | | | | | | | 212 | | |
| LOS GATOS Cr Br No. 37-0265R SCI-280 | 13M | 90 | | 212 | 16 | | | | | | 848 | | | |
| | 25 | 5 | 212 | | | | 5 | 212 | | | | | | |
| | 27B | | | 318 | | | | | 318 | | | | | |
| BIRD Ave OC Br No. 37-0267 SCI-280 2.67 | 13M | 120 | | 332 | 92 | 28 | | | | | 1328 | | | |
| | 21 | | 1328 | | | | | 1328 | | | | | | |
| | 27B | | | 664 | | | | | 664 | | | | | |
| | 38A | | | 1328 | | | | | | 664 | | | | |
| | Typ III (L) ARROW | | | 60 | | | | | | | | | 168 | 168 |
| SUBTOTAL PDQ-2 | | 434 | 2075 | 4199 | 320 | 96 | 17 | 2075 | 1680 | 664 | 4101 | 212 | 168 | 168 |
| SUBTOTAL PDQ-1 | | 786 | 4929 | 8871 | 1042 | 172 | 174 | 4929 | 4520 | 160 | 12776 | 3340 | 310 | 310 |
| TOTAL | | 1220 | 7004 | 13070 | 1362 | 459 | | 13204 | | 824 | 16877 | 3552 | 478 | 478 |

ALL EXISTING PAVEMENT DELINEATION SHALL BE REMOVED AND REPLACED IN KIND AT THE SAME LOCATIONS.

## PAVEMENT DELINEATION QUANTITIES

## PDQ-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

FUNCTIONAL SUPERVISOR: RAMSES SARGISS
CALCULATED-DESIGNED BY: LOUIS PHAN
CHECKED BY: FUK NYAN KRUNIAWAN
REVISED BY: LP
DATE REVISED: 7/26/11

LAST REVISION 07-26-11 | DATE PLOTTED => 20-SEP-2011 | TIME PLOTTED => 15:21

| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 04 | SCI | 85, 87 101, 280 | Var | 10 | 19 |

REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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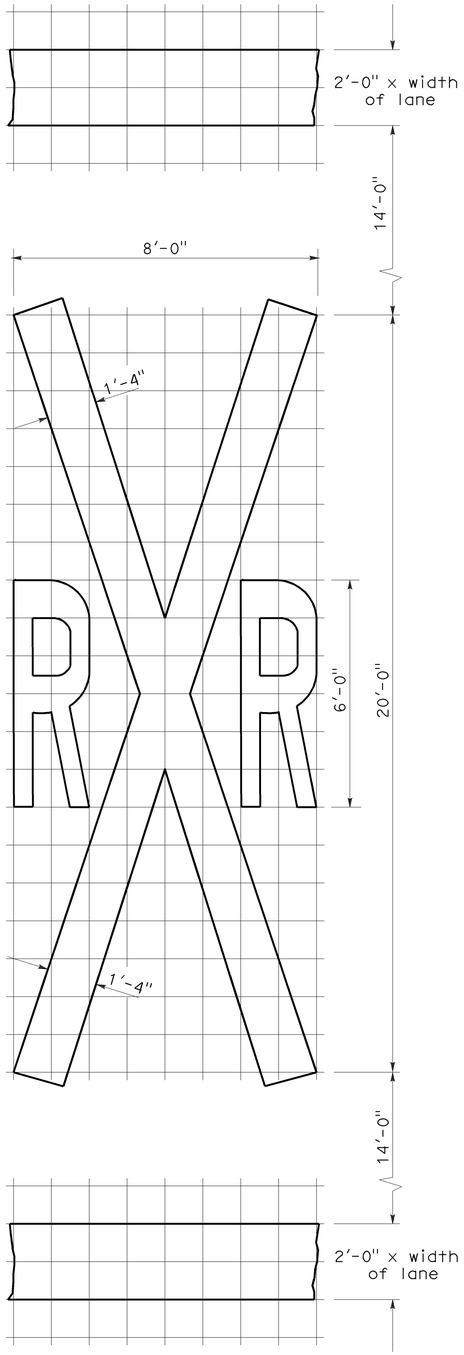
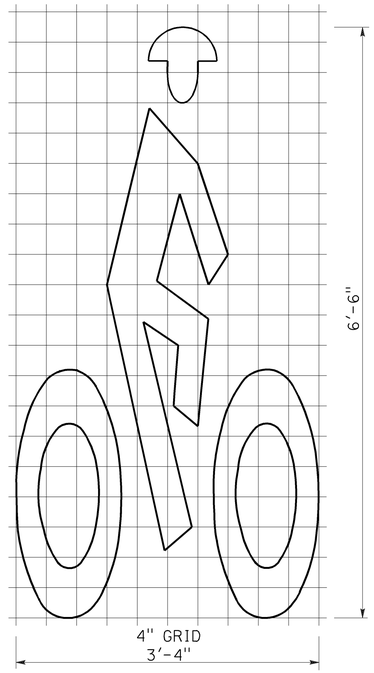
*To accompany plans dated* 9-12-11

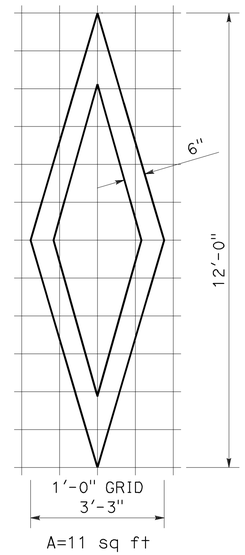



RAILROAD CROSSING SYMBOL

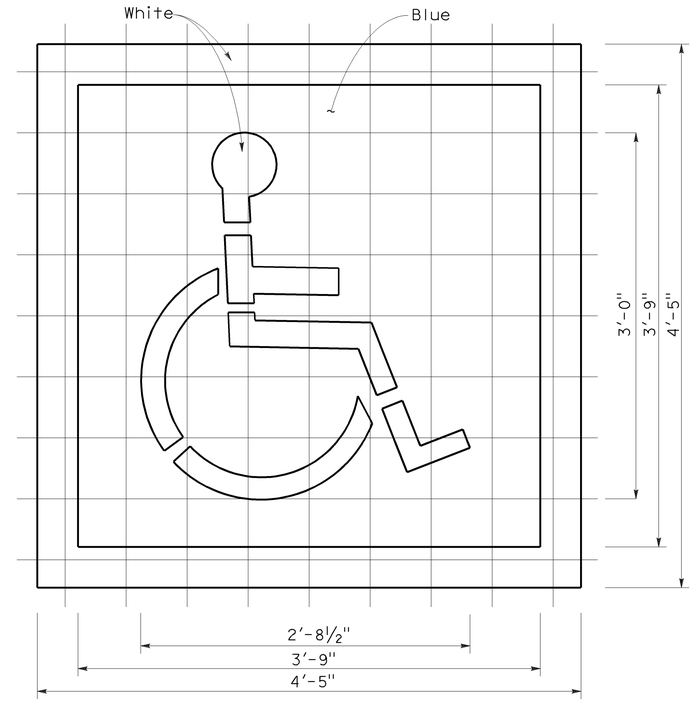
✳70 sq ft DOES NOT INCLUDE THE 2'-0" x VARIABLE WIDTH TRANSVERSE LINES.



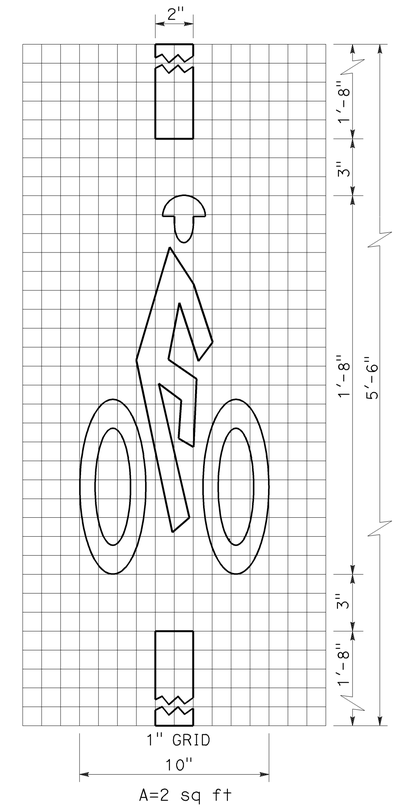

BIKE LANE SYMBOL



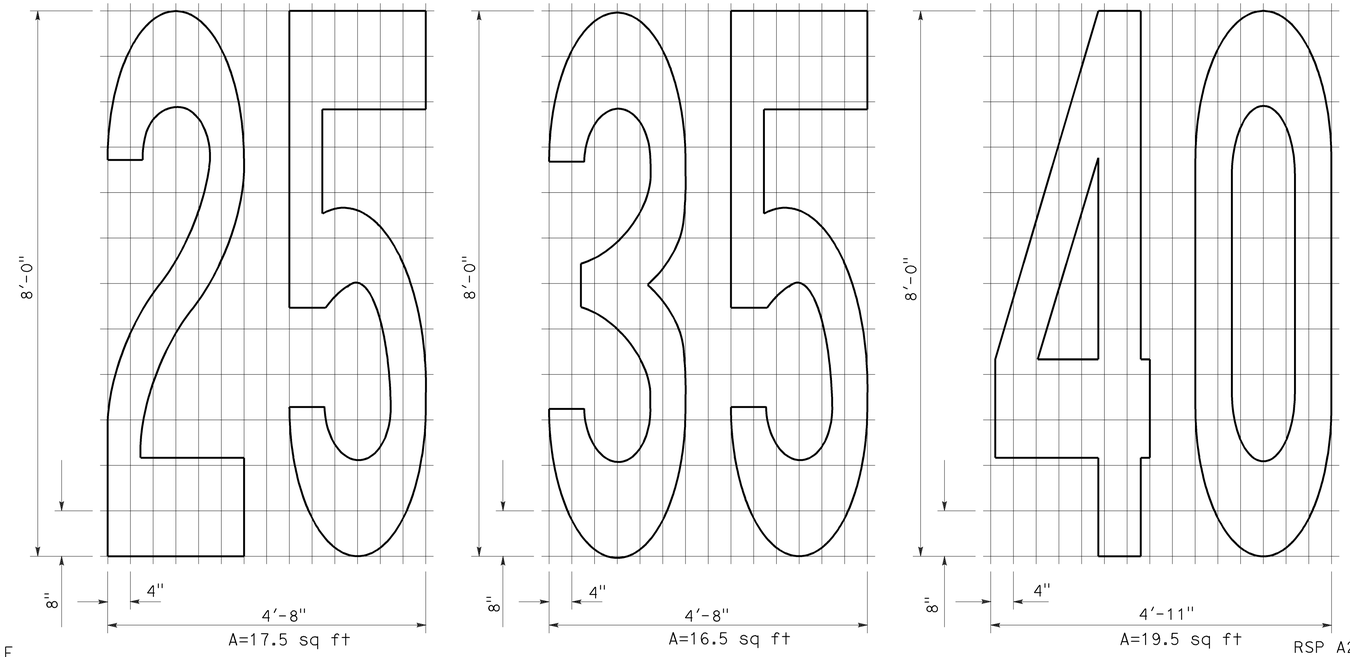

DIAMOND SYMBOL




INTERNATIONAL SYMBOL OF ACCESSIBILITY MARKING




BICYCLE LOOP DETECTOR SYMBOL




NUMERALS

NOTE:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

# PAVEMENT MARKINGS SYMBOLS AND NUMERALS

NO SCALE

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

**REVISED STANDARD PLAN RSP A24C**

**2006 REVISED STANDARD PLAN RSP A24C**

5-27-08

| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 04 | SCI | 85, 87 101, 280 | Var | 11 | 19 |

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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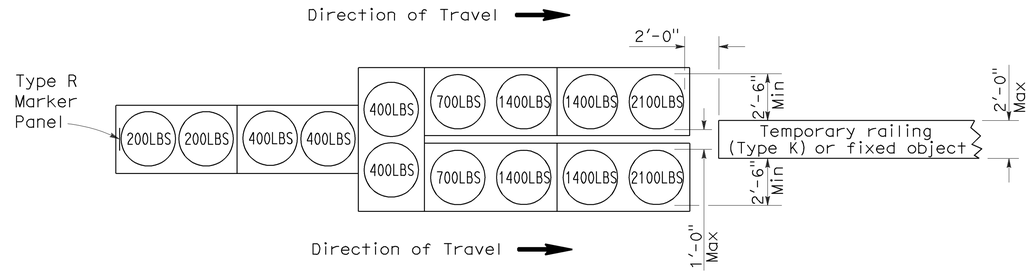
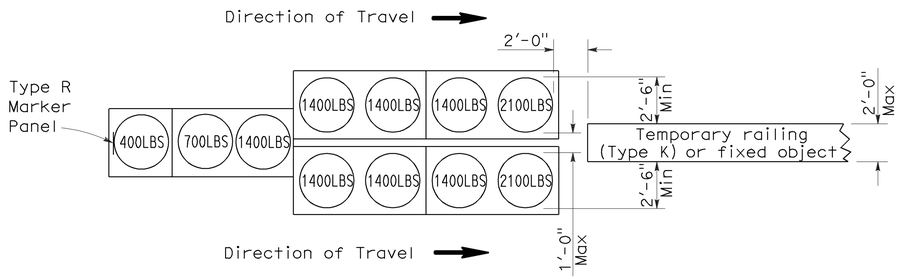
*To accompany plans dated* 9-12-11



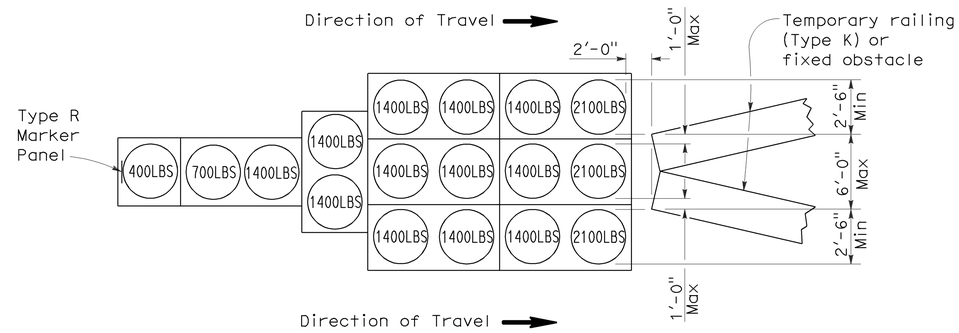

## ARRAY 'TU14'

Approach speed 45 mph or more



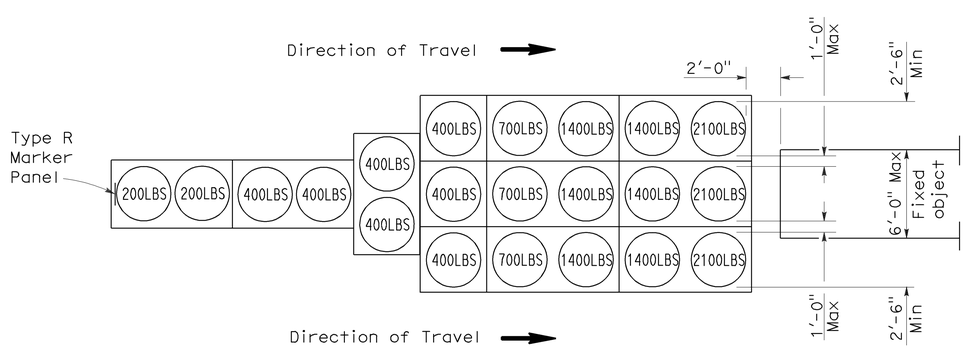

## ARRAY 'TU11'

Approach speed less than 45 mph



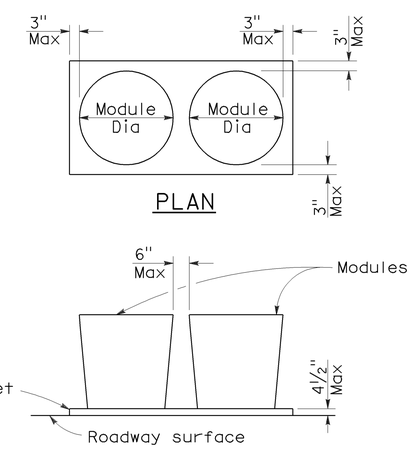

## ARRAY 'TU17'

Approach speed less than 45 mph




## ARRAY 'TU21'

Approach speed 45 mph or more




## CRASH CUSHION PALLET DETAIL

See Note 7

## NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the 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**

| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 04 | SCI | 85, 87 101, 280 | Var | 12 | 19 |

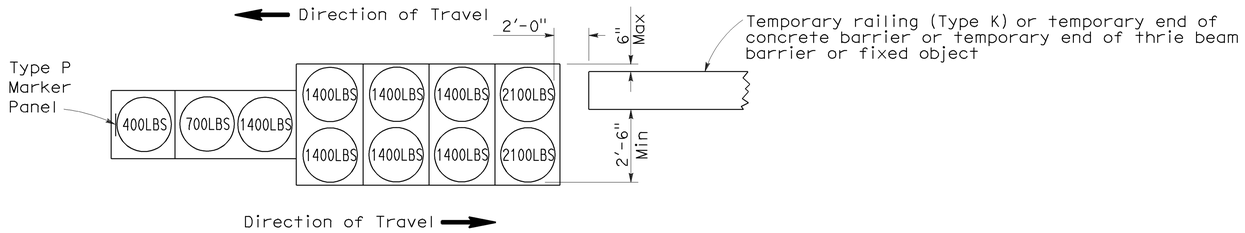
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

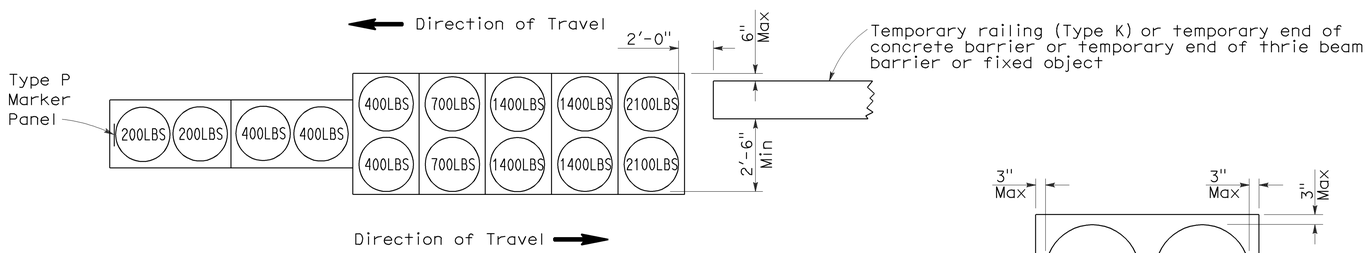
*The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.*

*To accompany plans dated* 9-12-11



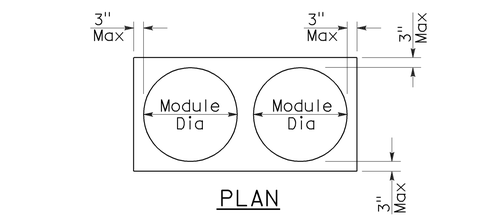

## ARRAY 'TB11'

Approach speed less than 45 mph

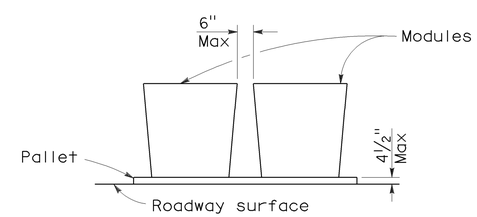



## ARRAY 'TB14'

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 |
|---|---|---|---|---|---|
| 04 | SCI | 85, 87 101, 280 | Var | 13 | 19 |

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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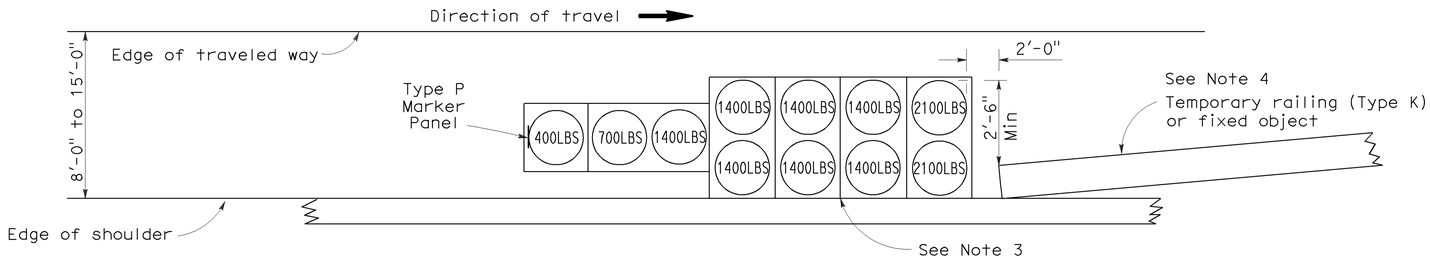
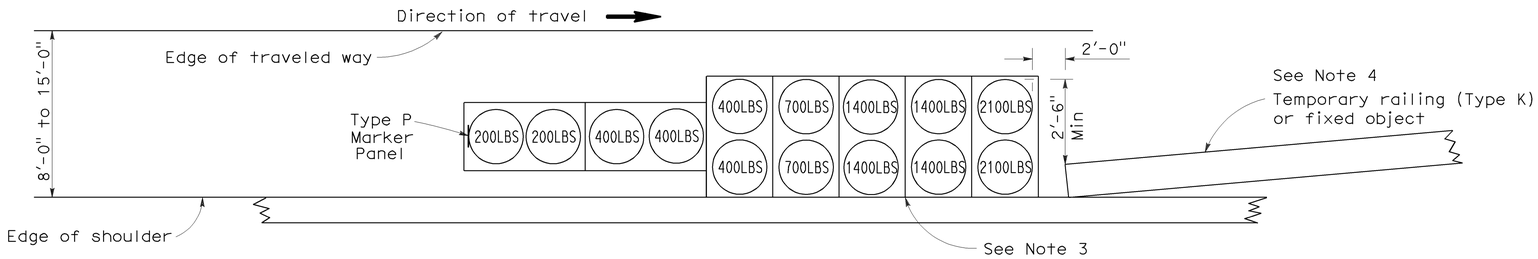
*To accompany plans dated* 9-12-11



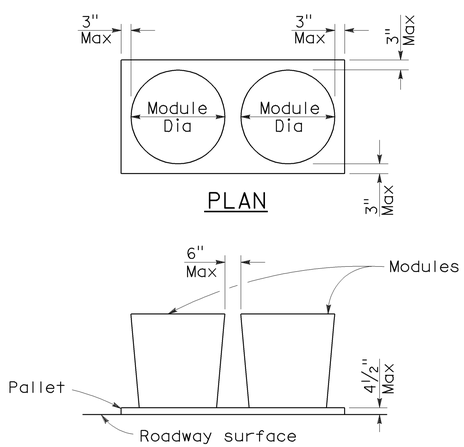

## ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9




## ARRAY 'TS14'

Approach speed 45 mph or more
See Note 9




## 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 |
|---|---|---|---|---|---|
| 04 | SCI | 85, 87 101, 280 | Var | 14 | 19 |

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

May 20, 2011
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-11
CIVIL
STATE OF CALIFORNIA

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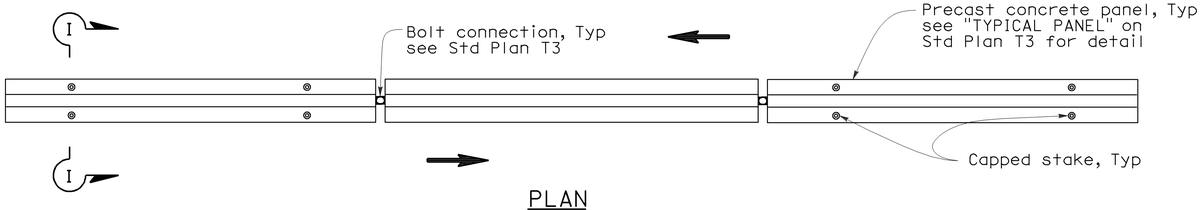
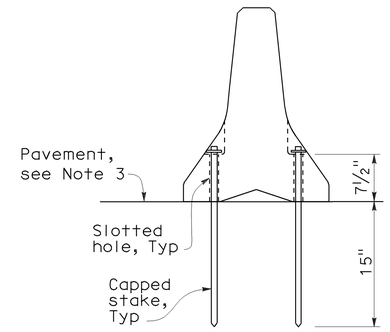
*To accompany plans dated* 9-12-11




PLAN

RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC

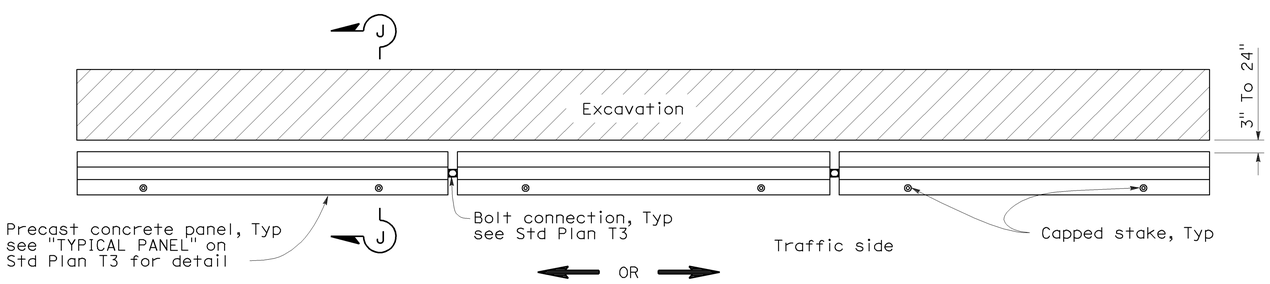
See Note 1




SECTION I-I

NOTES:

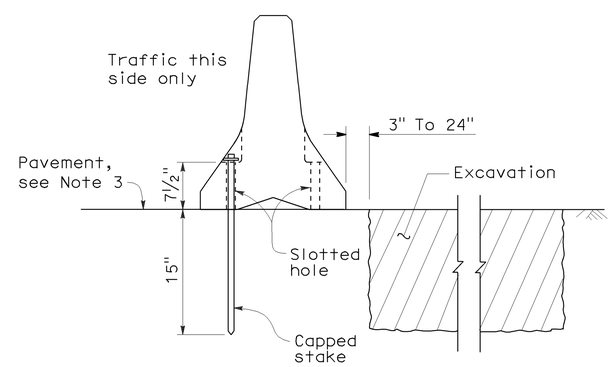
1. Where Type K Temporary Railing is placed as a temporary or long term barrier in two-way traffic on highways with less than 24" from the edge of traveled way, use four capped stakes per every other panel with end panels staked.
2. Where Type K Temporary Railing is placed 3" to 24" from the edge of an excavation on highways, use two capped stakes per panel along the traffic side.
3. Staked Type K Temporary Railing must be supported by at least 4" thick concrete, hot mix asphalt or existing asphalt concrete pavement.
4. The minimum yield strength for the washer must be 60,000 psi.
5. Direction of adjacent traffic indicated by ⟹.



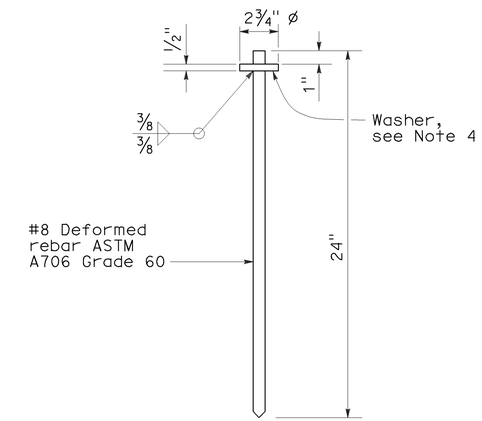

PLAN

RAILING STAKING CONFIGURATION ADJACENT TO AN EXCAVATION

See Note 2




SECTION J-J




CAPPED STAKE DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

# TEMPORARY RAILING (TYPE K)

NO SCALE

NSP T3A DATED MAY 20, 2011 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

**NEW STANDARD PLAN NSP T3A**

2006 NEW STANDARD PLAN NSP T3A

| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 04 | SCI | 85, 87 101, 280 | Var | 15 | 19 |

REGISTERED CIVIL ENGINEER 6-8-11 DATE

9-12-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HOSSEIN MOAZAMI No. C 60058 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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NOTES: (APPLY TO ALL SHEETS)

Indicates existing.

The contractor shall verify all controlling field dimensions before ordering or fabricating any material.

NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of clean and treat existing concrete bridge deck with high molecular weight methacrylate.

SCVTA Santa Clara Valley Transportation Authority

## INDEX TO PLANS


| SHEET No. | TITLE |
|---|---|
| 1 | GENERAL PLAN No. 1 |
| 2 | GENERAL PLAN No. 2 |
| 3 | GENERAL PLAN No. 3 |
| 4 | GENERAL PLAN No. 4 |
| 5 | GENERAL PLAN No. 5 |

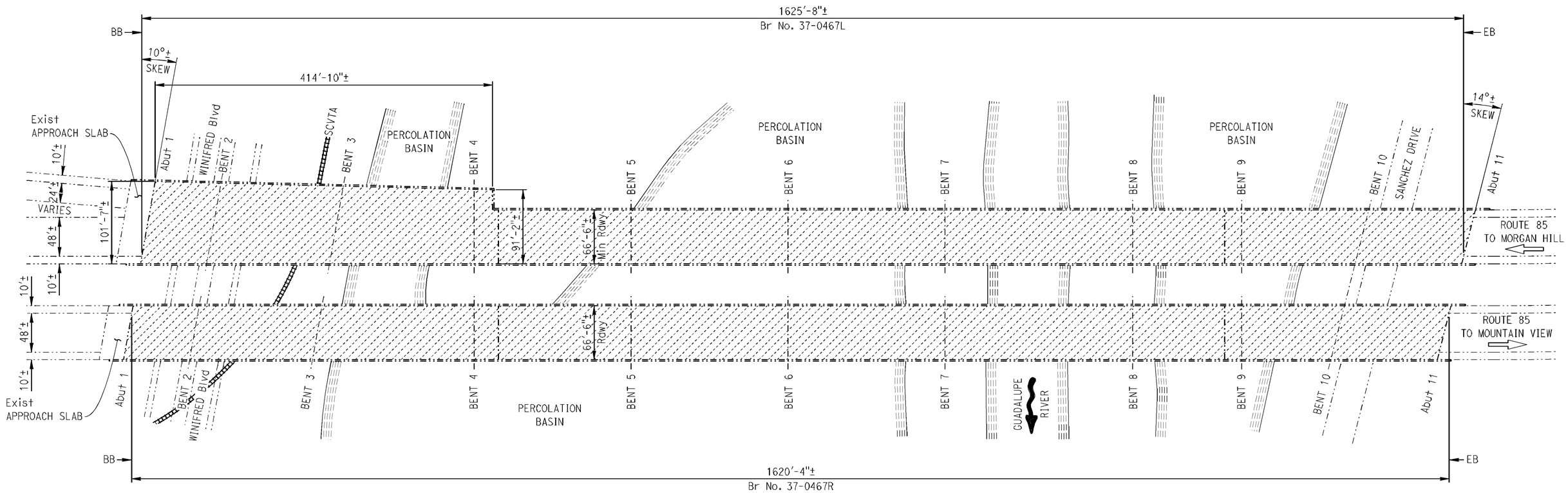

## STANDARD PLANS DATED MAY 2006

| SHEET No. | TITLE |
|---|---|
| A10A | ACRONYMS AND ABBREVIATIONS (SHEET 1 OF 2) |
| A10B | ACRONYMS AND ABBREVIATIONS (SHEET 2 OF 2) |

GUADALUPE RIVER BRIDGE NO. 37-0467R/L

QUANTITIES

| | | |
|---|---|---|
| CLEAN BRIDGE DECK | 228,520 | SQFT |
| TREAT BRIDGE DECK | 228,520 | SQFT |
| FURNISH BRIDGE DECK TREATMENT MATERIAL | 2,544 | GAL |




N

## GUADALUPE RIVER

Br No. 37-0467R/L, Rte 85, PM 5.59
1" = 60'

Michael J. Lee 6-8-11
DESIGN ENGINEER

| | BY | CHECKED |
|---|---|---|
| DESIGN | FRANZ ESPINOZA | HOSSEIN MOAZAMI |
| DETAILS | G.F. BIDWELL | HOSSEIN MOAZAMI |
| QUANTITIES | FRANZ ESPINOZA | HOSSEIN MOAZAMI |

LOAD FACTOR DESIGN — LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD

| | BY | CHECKED |
|---|---|---|
| LAYOUT | G.F. BIDWELL | HOSSEIN MOAZAMI |
| SPECIFICATIONS | JARVIS MAHE | PLANS AND SPECS COMPARED JARVIS MAHE |

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
POST MILE VARIES

# ROUTE 85, 87, 101 & 280 BRIDGES

## GENERAL PLAN No.1

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3488
PROJECT NUMBER & PHASE: 04000200501 CONTRACT NO.: 04-2E2501

DISREGARD PRINTS BEARING EARLIER REVISION DATES — REVISION DATES 2-22-11 3-11-11 4-21-11 5-17-11 5-26-11 SHEET 1 OF 5

FILE => 04-2e2501_01gp1.dgn

USERNAME => jbidwell DATE PLOTTED => 29-JUN-2011 TIME PLOTTED => 13:37

| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 04 | SCI | 85, 87 101, 280 | Var | 16 | 19 |

REGISTERED CIVIL ENGINEER 6-8-11 DATE

9-12-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HOSSEIN MOAZAMI No. C 60058 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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

BYPASS CHANNEL BRIDGE NO. 37-0556

QUANTITIES

| | | |
|---|---|---|
| INJECT CRACK (EPOXY) | 36 | LF |

BIRD AVENUE OVERCROSSING BRIDGE NO. 37-0267

QUANTITIES

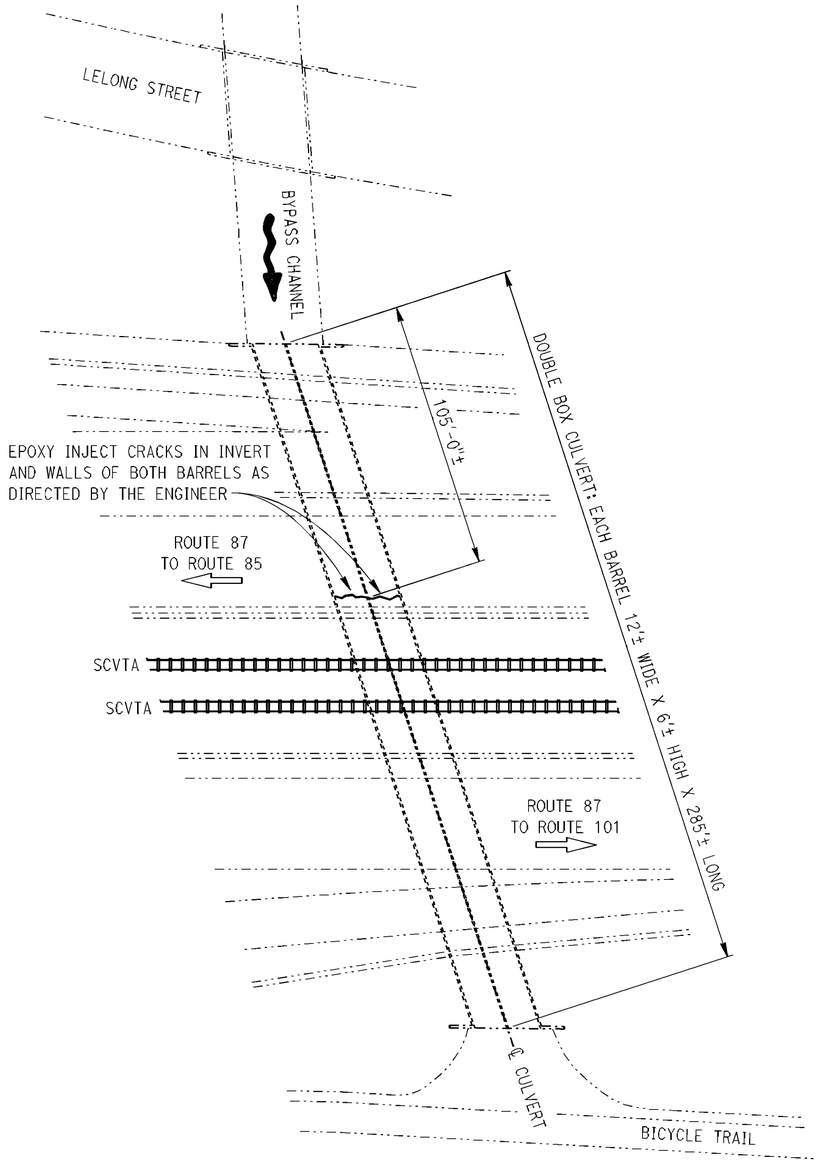
| | | |
|---|---|---|
| CLEAN BRIDGE DECK | 28,950 | SQFT |
| TREAT BRIDGE DECK | 28,950 | SQFT |
| FURNISH BRIDGE DECK TREATMENT MATERIAL | 324 | GAL |

NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of clean and treat existing concrete bridge deck with high molecular weight methacrylate.

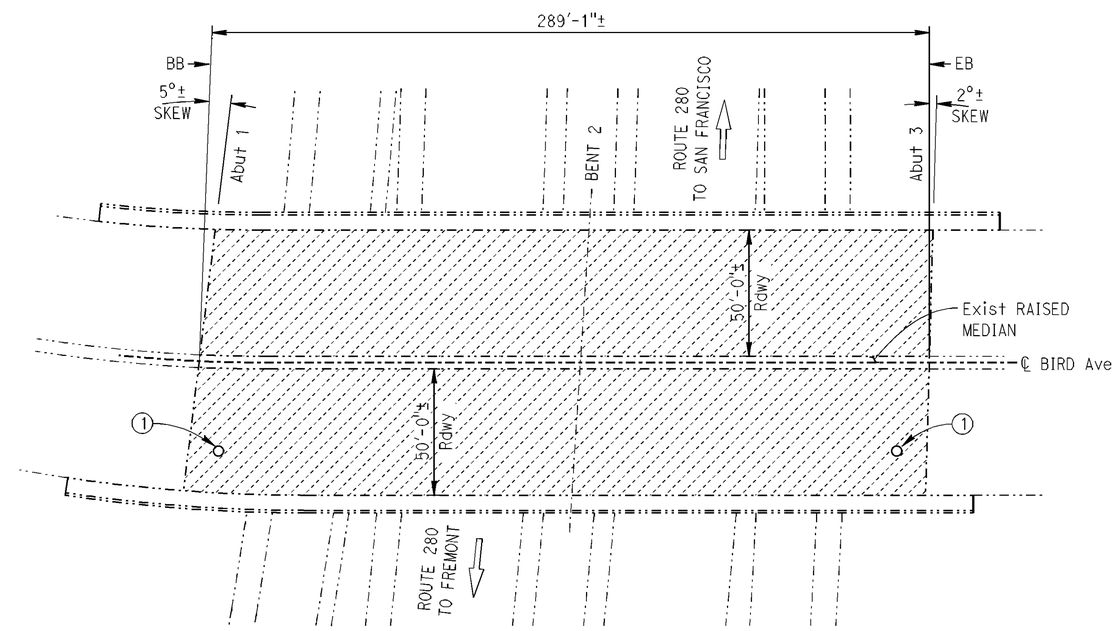
(1) Indicates location of existing manhole.

SCVTA Santa Clara Valley Transportation Authority




## BYPASS CHANNEL

Br No. 37-0566, Rte 87, PM 4.43
1" = 30'




## BIRD AVENUE OVERCROSSING

Br No. 37-0267, Rte 280, PM R2.87
1" = 30'

| | | | | | | |
|---|---|---|---|---|---|---|
| Michael J. Lee 6-8-11 DESIGN ENGINEER | DESIGN | BY FRANZ ESPINOZA | CHECKED HOSSEIN MOAZAMI | LOAD FACTOR DESIGN | LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD | |
| | DETAILS | BY G.F. BIDWELL | CHECKED HOSSEIN MOAZAMI | LAYOUT | BY G.F. BIDWELL | CHECKED HOSSEIN MOAZAMI |
| | QUANTITIES | BY FRANZ ESPINOZA | CHECKED HOSSEIN MOAZAMI | SPECIFICATIONS | BY JARVIS MAHE | PLANS AND SPECS COMPARED JARVIS MAHE |

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
POST MILE VARIES

# ROUTE 85, 87, 101 & 280 BRIDGES

## GENERAL PLAN No. 2

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3488
PROJECT NUMBER & PHASE: 04000200501
CONTRACT NO.: 04-2E2501

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES: 2-22-11 3-11-11 4-21-11 5-17-11 5-26-11

SHEET 2 OF 5

FILE => 04-2e2501_02gp2.dgn

USERNAME => jbidwell DATE PLOTTED => 29-JUN-2011 TIME PLOTTED => 13:37

| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 04 | SCI | 85, 87 101, 280 | Var | 17 | 19 |

REGISTERED CIVIL ENGINEER 6-8-11 DATE

9-12-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HOSSEIN MOAZAMI No. C 60058 EXP. 6-30-12 CIVIL STATE OF CALIFORNIA

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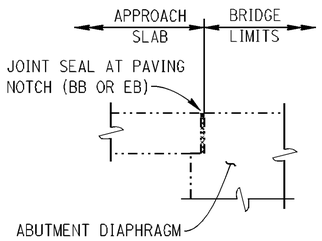
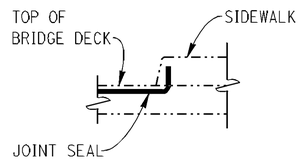



## JOINT SEAL LOCATION

NO SCALE




## JOINT SEAL AT LOW SIDE OF DECK

DETAILS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
FOR USE ONLY WHERE DECK JOINT MATCHES THE BARRIER RAIL JOINT.
NO SCALE

MCKEE ROAD OVERCROSSING BRIDGE NO. 37-0123

QUANTITIES

| | | |
|---|---|---|
| CLEAN BRIDGE DECK | 18,170 | SQFT |
| CLEAN EXPANSION JOINT | 146 | LF |
| JOINT SEAL (MR 1½") | 146 | LF |
| TREAT BRIDGE DECK | 18,170 | SQFT |
| FURNISH BRIDGE DECK TREATMENT MATERIAL | 203 | GAL |

NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of clean and treat existing concrete bridge deck with high molecular weight methacrylate.

(1) Indicates location of existing manhole.

Indicates location of remove existing joint seal and place new joint seal.

The following notes apply to JOINT SEAL TYPE B:

1) Seal must satisfy both minimum movement rating (MR) and minimum W1 requirements.

2) Minimum W1 is the calculated maximum width of the joint based on field measurements. After the joints have been cleaned, minimum W1 is to be calculated by the Engineer.

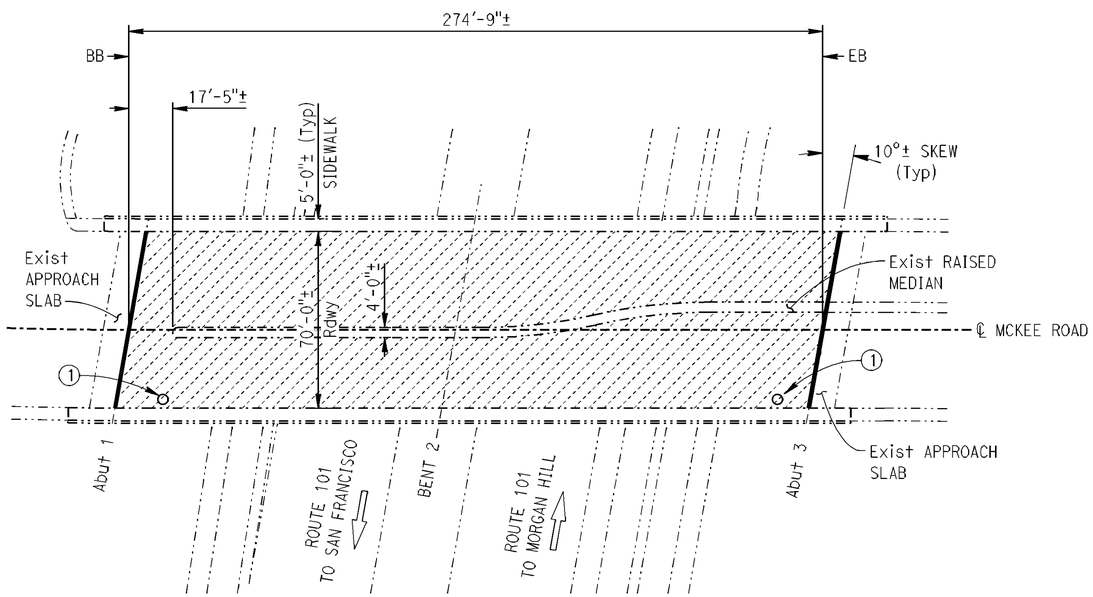
3) W1 shall be the smaller of the values determined as follows:

   a) 0.85 times the manufacturer's designed minimum uncompressed width of the seal.

   B) The width of the seal on the third successive test cycle of the pressure deflection test, when compressed to an average pressure of 3 psi.

4) Bend type b joint seal 6" up into curb or rail on the low side of the deck where deck joint matches curb or rail joint.

5) For details not shown see RSP B6-21




## MCKEE ROAD OVERCROSSING

Br No. 37-0123, Rte 101, PM 36.12
1" = 30'

### Br No. 37-0123 JOINT SEAL TABLE

| LOCATION | | MINIMUM "MR" (INCHES) | APPROX LENGTH (FEET) | EXISTING WATERSTOP | APPROXIMATE DEPTH TO CLEAN EXPANSION JOINT (INCHES) | APPROXIMATE DEPTH OF JOINT SPALLS (INCHES) | APPROXIMATE WIDTH OF JOINT SPALLS (INCHES) | APPROXIMATE LENGTH OF JOINT SPALLS (FEET) |
|---|---|---|---|---|---|---|---|---|
| Abut 1 | PN | 1½ | 73.0 | No | 12 | 3 | 4 | 5 |
| Abut 3 | PN | 1½ | 73.0 | No | 12 | 3 | 4 | 5 |

Michael J. Lee 6-8-11
DESIGN ENGINEER

| | BY | CHECKED | | | |
|---|---|---|---|---|---|
| DESIGN | FRANZ ESPINOZA | HOSSEIN MOAZAMI | LOAD FACTOR DESIGN | LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD | |
| DETAILS | G.F. BIDWELL | HOSSEIN MOAZAMI | LAYOUT | G.F. BIDWELL | HOSSEIN MOAZAMI |
| QUANTITIES | FRANZ ESPINOZA | HOSSEIN MOAZAMI | SPECIFICATIONS | JARVIS MAHE | PLANS AND SPECS COMPARED JARVIS MAHE |

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTE 85, 87, 101 & 280 BRIDGES
GENERAL PLAN No. 3

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3488
PROJECT NUMBER & PHASE: 04000200501
CONTRACT NO.: 04-2E2501

DISREGARD PRINTS BEARING EARLIER REVISION DATES
REVISION DATES: 2-22-11 3-11-11 4-21-11 5-17-11 5-26-11
SHEET 3 OF 5

FILE => 04-2e2501_03gp3.dgn

USERNAME => jblowell DATE PLOTTED => 29-JUN-2011 TIME PLOTTED => 13:37

| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 04 | SCI | 85, 87 101, 280 | Var | 18 | 19 |

REGISTERED CIVIL ENGINEER 6-8-11 DATE

9-12-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HOSSEIN MOAZAMI No. C 60058 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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LOS GATOS CREEK BRIDGE NO. 37-0265R/L

QUANTITIES

| | | |
|---|---|---|
| CLEAN BRIDGE DECK | 28,970 | SQFT |
| TREAT BRIDGE DECK | 28,970 | SQFT |
| FURNISH BRIDGE DECK TREATMENT MATERIAL | 323 | GAL |

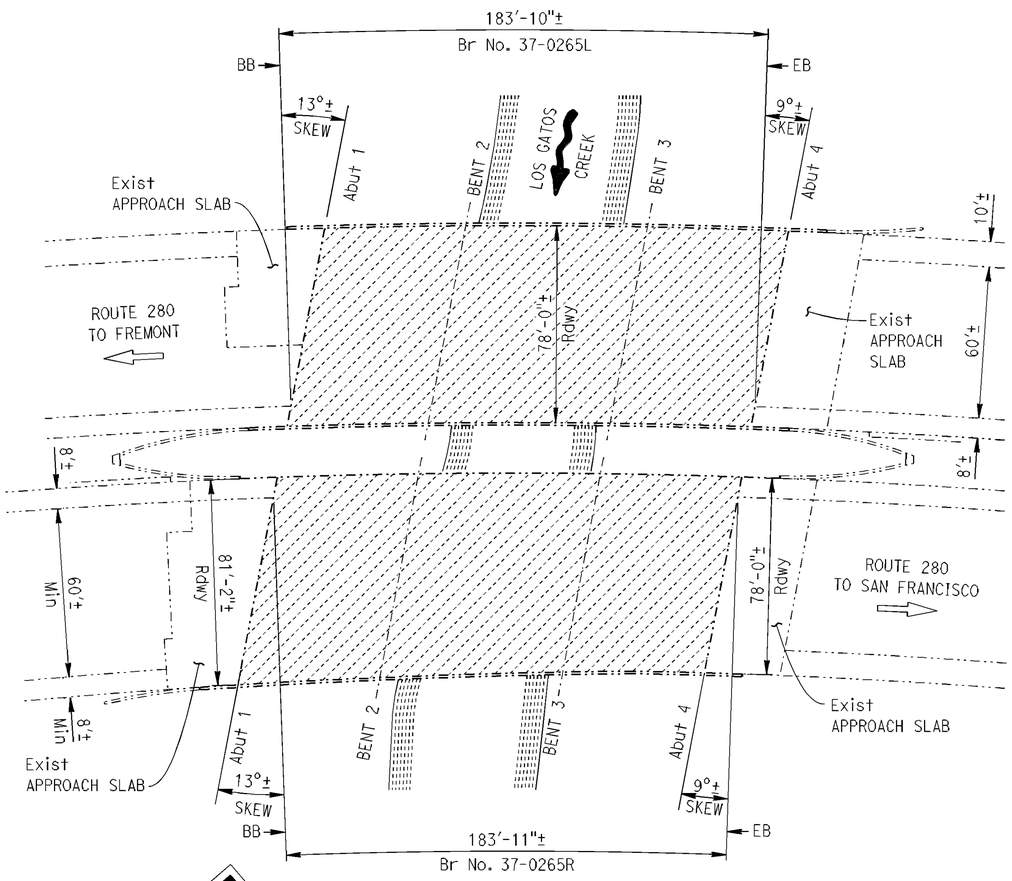
SUNOL STREET RAILROAD UNDERCROSSING BRIDGE NO. 37-0263L

QUANTITIES

| | | |
|---|---|---|
| CLEAN BRIDGE DECK | 11,130 | SQFT |
| TREAT BRIDGE DECK | 11,130 | SQFT |
| FURNISH BRIDGE DECK TREATMENT MATERIAL | 124 | GAL |

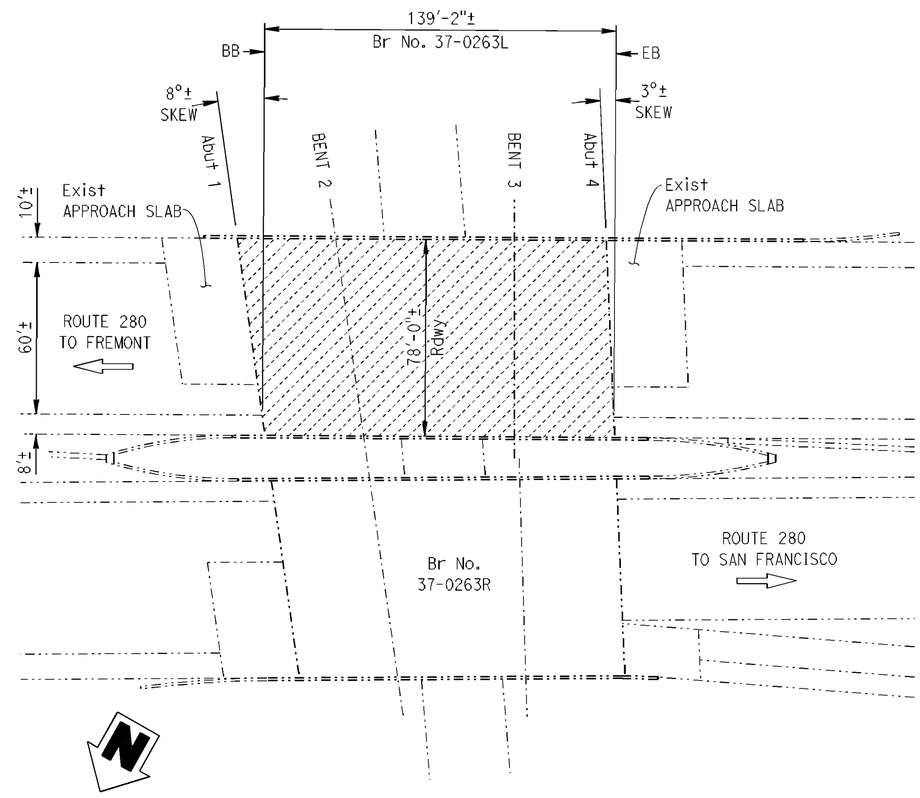
NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of clean and treat existing concrete bridge deck with high molecular weight methacrylate.




## LOS GATOS CREEK

Br No. 37-0265R/L, Rte 280, PM R3.19
1" = 30'




## SUNOL STREET RAILROAD UNDERCROSSING

Br No. 37-0263L, Rte 280, PM R3.41
1" = 30'

Michael J. Lee 6-8-11
DESIGN ENGINEER

| | BY | CHECKED | | | |
|---|---|---|---|---|---|
| DESIGN | FRANZ ESPINOZA | HOSSEIN MOAZAMI | LOAD FACTOR DESIGN | LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD | |
| DETAILS | G.F. BIDWELL | HOSSEIN MOAZAMI | LAYOUT | G.F. BIDWELL | HOSSEIN MOAZAMI |
| QUANTITIES | FRANZ ESPINOZA | HOSSEIN MOAZAMI | SPECIFICATIONS | JARVIS MAHE | JARVIS MAHE |

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
POST MILE VARIES

# ROUTE 85, 87, 101 & 280 BRIDGES

## GENERAL PLAN No. 4

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3488
PROJECT NUMBER & PHASE: 04000200501
CONTRACT NO.: 04-2E2501

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES: 2-22-11 3-11-11 4-21-11 5-17-11 5-26-11

SHEET 4 OF 5

FILE => 04-2e2501_04gp4.dgn

USERNAME => jbidwell DATE PLOTTED => 29-JUN-2011 TIME PLOTTED => 13:37

| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 04 | SCI | 85, 87 101, 280 | Var | 19 | 19 |

REGISTERED CIVIL ENGINEER 6-8-11 DATE

9-12-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HOSSEIN MOAZAMI No. C 60058 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of clean and treat existing concrete bridge deck with high molecular weight methacrylate.

LINCOLN AVENUE UNDERCROSSING BRIDGE NO. 37-0262R/L

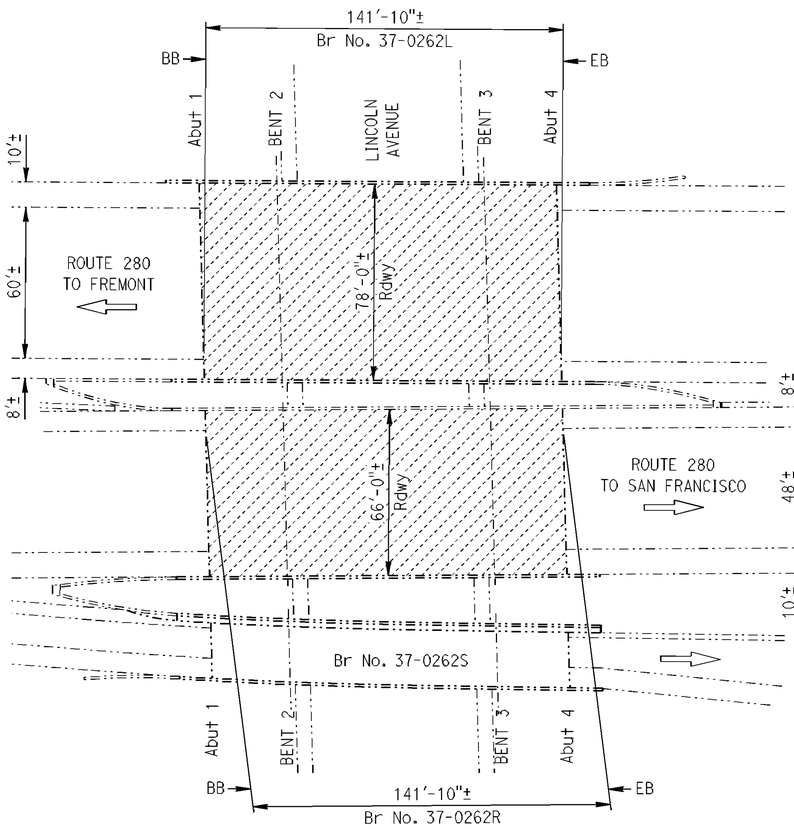
QUANTITIES

| | | |
|---|---|---|
| CLEAN BRIDGE DECK | 20,443 | SQFT |
| TREAT BRIDGE DECK | 20,443 | SQFT |
| FURNISH BRIDGE DECK TREATMENT MATERIAL | 227 | GAL |

LELAND AVENUE OVERCROSSING BRIDGE NO. 37-0255

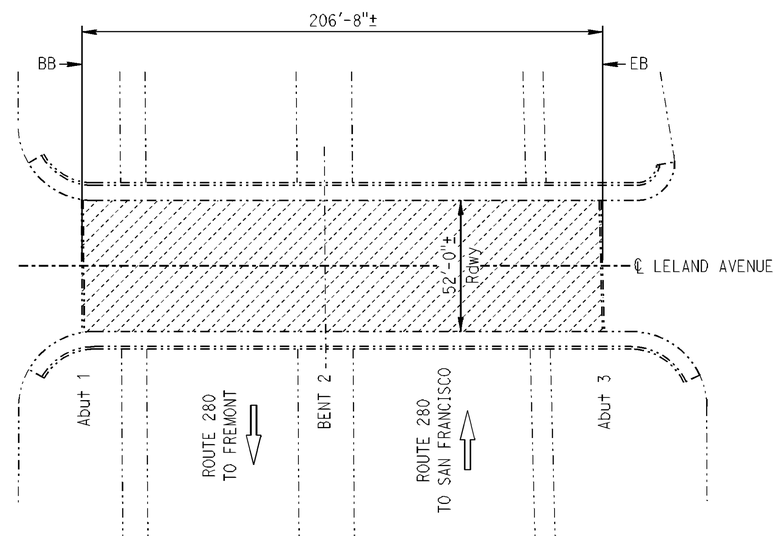
QUANTITIES

| | | |
|---|---|---|
| CLEAN BRIDGE DECK | 10,747 | SQFT |
| TREAT BRIDGE DECK | 10,747 | SQFT |
| FURNISH BRIDGE DECK TREATMENT MATERIAL | 120 | GAL |




## LINCOLN AVENUE UNDERCROSSING

Br No. 37-0262R/L, Rte 280, PM R3.51
1" = 30'




## LELAND AVENUE OVERCROSSING

Br No. 37-0255, Rte 280, PM L4.66
1" = 30'

| | | | | | |
|---|---|---|---|---|---|
| Michael J. Lee 6-8-11 DESIGN ENGINEER | DESIGN | BY FRANZ ESPINOZA | CHECKED HOSSEIN MOAZAMI | LOAD FACTOR DESIGN | LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD |
| | DETAILS | BY G.F. BIDWELL | CHECKED HOSSEIN MOAZAMI | LAYOUT | BY G.F. BIDWELL / CHECKED HOSSEIN MOAZAMI |
| | QUANTITIES | BY FRANZ ESPINOZA | CHECKED HOSSEIN MOAZAMI | SPECIFICATIONS | BY JARVIS MAHE / PLANS AND SPECS COMPARED JARVIS MAHE |

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
POST MILE VARIES

# ROUTE 85, 87, 101 & 280 BRIDGES

## GENERAL PLAN No. 5

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3488
PROJECT NUMBER & PHASE: 04000200501
CONTRACT NO.: 04-2E2501

DISREGARD PRINTS BEARING EARLIER REVISION DATES → REVISION DATES 2-22-11 3-11-11 4-21-11 5-17-11 5-26-11

SHEET 5 OF 5

FILE => 04-2e2501_05gp5.dgn

USERNAME => jbidwell DATE PLOTTED => 29-JUN-2011 TIME PLOTTED => 13:38