| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 11 | SD | 5 | R10.0/R20.0 | 3 | 60 |

Deborah J. Yost 08-03-10
REGISTERED CIVIL ENGINEER DATE

08-09-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER DEBORAH YOST No. 70685 Exp. 06-30-11 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. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. FOG SEAL COAT SHALL BE APPLIED TO ALL HMA SURFACES EXCEPT TRAVELED WAYS AND DETOURS.
4. FOR RAMP REHABILITATION LOCATIONS, SEE QUANTITY SHEETS.
5. FINAL HMA SURFACE TO MATCH THE SURFACE OF GROUND PCC PAVEMENT.
6. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED.

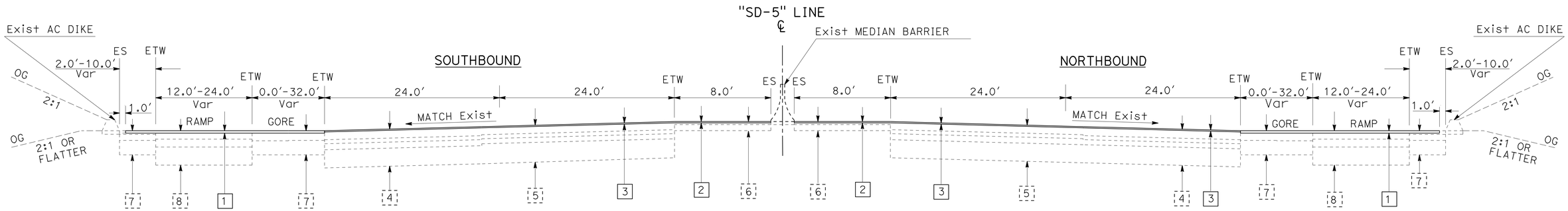
## ABBREVIATIONS:

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

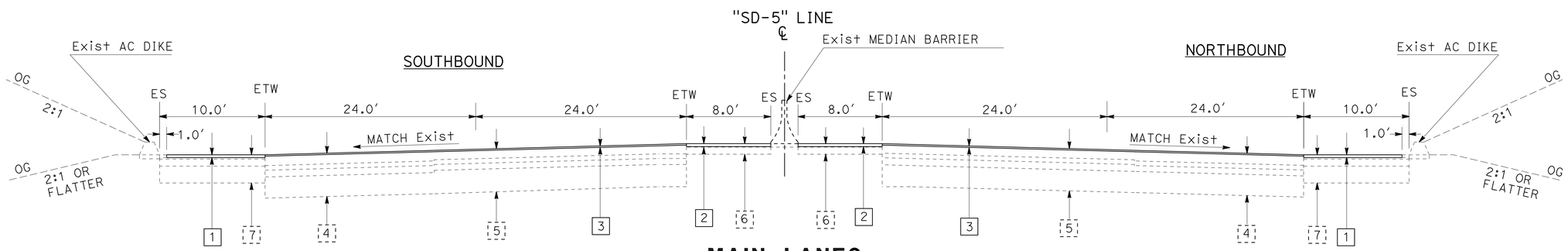
## LEGEND:

- 1 — COLD PLANE AC (0.20′ Max)<br>0.20′ RHMA-G
- 2 — COLD PLANE AC (0.10′ Max)<br>0.10′ RHMA-G
- 3 — GRIND PCC PAVEMENT
- 4 — 0.75′ PCC<br>0.33′ CTB<br>0.42′ AB<br>1.50′ AS
- 5 — 0.67′ PCC<br>0.33′ CTB<br>0.50′ AB<br>1.50′ AS
- 6 — 0.25′ AC<br>0.50′ AB
- 7 — 0.30′ AC<br>0.50′ AB<br>1.20′ AS
- 8 — 0.70′ AC<br>0.65′ CTB<br>1.50′ AS
- 9 — 0.20′ AC (Max DEPTH)<br>0.75′ PCC<br>0.33′ CTB<br>0.42′ AB<br>1.50′ AS
- 10 — REMOVE AC COMPLETELY TO EXPOSE PCC<br>GRIND PCC PAVEMENT

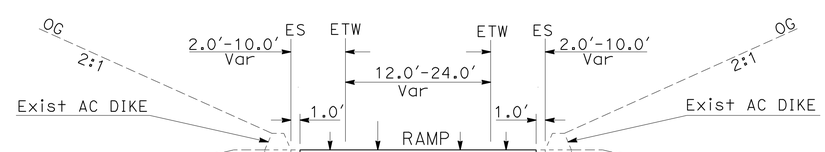
2




## MAIN LANES WITH GORE AREAS AND RAMPS




## MAIN LANES




## TYPICAL RAMP

2 **REVISED PER ADDENDUM No. 2 DATED NOVEMBER 19, 2010**

# TYPICAL CROSS SECTIONS X-1

NO SCALE

| REVISED BY | DATE REVISED |
|---|---|
| | |

DEBORAH YOST — BAHMAN YAZDANI — CALCULATED-DESIGNED BY — CHECKED BY

FUNCTIONAL SUPERVISOR: CHRIS M. THOMAS

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans PROJECT DEVELOPMENT

LAST REVISION 11-16-10 | DATE PLOTTED => 16-NOV-2010 | TIME PLOTTED => 14:49

2 REVISED PER ADDENDUM No. 2 DATED NOVEMBER 19, 2010

| Dist | COUNTY | LOCATION CODE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 11 | SD | 5 | R10.0/R20.0 | 4 | 60 |

Deborah J. Yost 08-03-10
REGISTERED CIVIL ENGINEER DATE

08-09-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER DEBORAH YOST No. 70685 Exp. 06-30-11 CIVIL STATE OF CALIFORNIA

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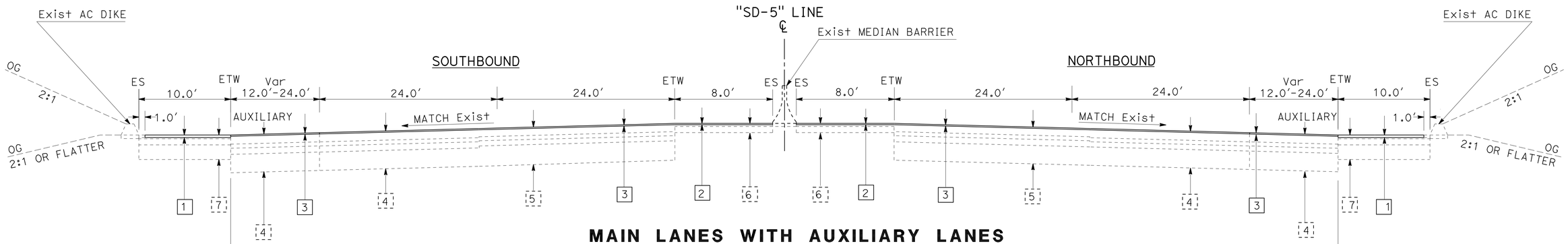
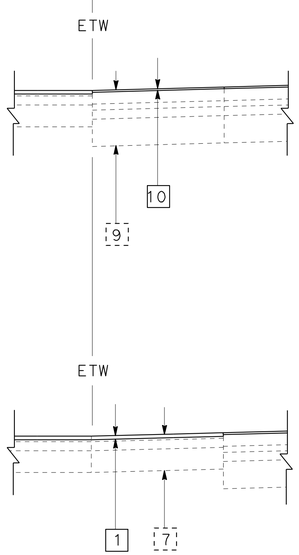
2




## MAIN LANES WITH AUXILIARY LANES




### SOUTHBOUND AUXILIARY LANE STRUCTURAL SECTION TYPE 4

| LOCATION | | |
|---|---|---|
| DIRECTION | FROM PM | TO PM |
| SB 5 | R19.85 | R19.75 |
| SB 5 | R18.71 | R18.45 |
| SB 5 | R17.34 | R16.96 |
| SB 5 | R15.33 | R15.20 |
| SB 5 | R12.10 | R11.00 |
| SB 5 | R10.53 | R10.00 |

### SOUTHBOUND AUXILIARY LANE STRUCTURAL SECTION TYPE 9

| LOCATION | | |
|---|---|---|
| DIRECTION | FROM PM | TO PM |
| SB 5 | R19.41 | R19.20 |
| SB 5 | R18.80 | R18.71 |

### SOUTHBOUND AUXILIARY LANE STRUCTURAL SECTION TYPE 7

| LOCATION | | |
|---|---|---|
| DIRECTION | FROM PM | TO PM |
| SB 5 | R19.20 | R18.80 |
| SB 5 | R17.55 | R17.35 |
| SB 5 | R16.70 | R16.10 |
| SB 5 | R16.02 | R15.68 |
| SB 5 | R14.90 | R14.75 |
| SB 5 | R14.50 | R14.22 |
| SB 5 | R13.83 | R13.60 |

### NORTHBOUND AUXILIARY LANE STRUCTURAL SECTION TYPE 4

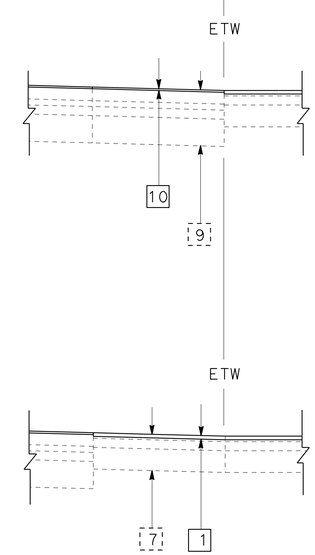
| LOCATION | | |
|---|---|---|
| DIRECTION | FROM PM | TO PM |
| NB 5 | R10.00 | R10.63 |
| NB 5 | R11.80 | R12.24 |
| NB 5 | R16.90 | R17.05 |
| NB 5 | R18.55 | R18.83 |
| NB 5 | R19.35 | R19.45 |

### NORTHBOUND AUXILIARY LANE STRUCTURAL SECTION TYPE 9

| LOCATION | | |
|---|---|---|
| DIRECTION | FROM PM | TO PM |
| NB 5 | R15.34 | R15.75 |

### NORTHBOUND AUXILIARY LANE STRUCTURAL SECTION TYPE 7

| LOCATION | | |
|---|---|---|
| DIRECTION | FROM PM | TO PM |
| NB 5 | R13.46 | R14.05 |
| NB 5 | R14.32 | R14.90 |
| NB 5 | R15.75 | R16.02 |
| NB 5 | R16.30 | R16.50 |
| NB 5 | R17.09 | R17.35 |




# TYPICAL CROSS SECTIONS X-2

NO SCALE

REVISED BY | DATE REVISED
DEBORAH YOST | BAHMAN YAZDANI
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR
CHRIS M. THOMAS
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 11-16-10 | DATE PLOTTED => 16-NOV-2010 | TIME PLOTTED => 14:49

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 11 | SD | 5 | R10.0/R20.0 | 41 | 60 |

REGISTERED CIVIL ENGINEER 08-03-10 DATE

08-09-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER DEBORAH YOST No. 70685 Exp. 06-30-11 CIVIL STATE OF CALIFORNIA

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2

## RAMP AND GORE QUANTITIES

| DESCRIPTION | LOCATION | | RAMP AREA | GORE AREA | COLD PLANE AC PAVEMENT | RUBBERIZED HMA (GAP GRADED) | TACK COAT | ASPHALTIC EMULSION (FOG SEAL COAT) |
|---|---|---|---|---|---|---|---|---|
| | DIRECTION | BEGIN PM | SQYD (N) | SQYD (N) | SQYD | TON | TON | TON |
| NB ON FROM 24TH St | NB 5 | R10.244 | 3,888.89 | 219.17 | 4,108.06 | 520.35 | 0.97 | 0.60 |
| NB ON FROM CIVIC CENTER Dr | NB 5 | R10.981 | 2,966.60 | 163.33 | 3,129.93 | 396.46 | 0.74 | 0.47 |
| NB ON FROM 8TH | NB 5 | R11.264 | 1,276.33 | 0.00 | 1,276.33 | 161.67 | 0.30 | 0.21 |
| NB ON FROM 7TH St | NB 5 | R11.265 | 622.22 | 58.00 | 680.22 | 86.16 | 0.16 | 0.11 |
| NB ON FROM 7TH AND 8TH St | NB 5 | R11.342 | 1,924.22 | 136.89 | 2,061.11 | 261.07 | 0.49 | 0.48 |
| NB OFF TO NATIONAL/DIVISION St | NB 5 | R11.708 | 3,288.00 | 59.56 | 3,347.56 | 424.02 | 0.79 | 0.44 |
| NB ON FROM NATIONAL/DIVISION St | NB 5 | R11.868 | 4,495.11 | 599.11 | 5,094.22 | 645.27 | 1.21 | 0.74 |
| NB ON FROM 28TH/NATIONAL Ave | NB 5 | R13.432 | 1,426.67 | 74.00 | 1,500.67 | 190.08 | 0.36 | 0.20 |
| NB OFF TO NORTH Jct 75 | NB 5 | R13.825 | 1,556.33 | 237.06 | 1,793.39 | 227.16 | 0.43 | 0.31 |
| NB OFF TO KEARNEY Ave | NB 5 | R14.028 | 2,404.89 | 305.56 | 2,710.44 | 343.32 | 0.64 | 0.53 |
| NB ON FROM NORTH Jct 75 | NB 5 | R14.281 | 1,268.67 | 227.33 | 1,496.00 | 189.49 | 0.35 | 0.13 |
| NB ON FROM Rte 94 & F | NB 5 | R15.260 | 2,581.33 | 174.78 | 2,756.11 | 349.11 | 0.65 | 0.60 |
| NB ON FROM B St & PERSHING Dr | NB 5 | R15.539 | 5,322.33 | 27.50 | 5,349.83 | 677.65 | 1.27 | 0.81 |
| NB OFF TO 6TH Ave | NB 5 | R16.145 | 479.11 | 122.22 | 601.33 | 76.17 | 0.14 | 0.07 |
| NB OFF TO BRANT/HAWTHORN | NB 5 | R16.618 | 5,060.00 | 427.78 | 5,487.78 | 695.12 | 1.30 | 1.04 |
| NB ON FROM CAMINO DEL RIO WEST | NB 5 | R19.967 | 3,280.44 | 177.33 | 3,457.78 | 437.99 | 0.82 | 0.53 |
| | | | | | | | | |
| SB ON FROM PACIFIC HIGHWAY | SB 5 | R17.591 | 1,033.33 | 454.67 | 1,488.00 | 188.48 | 0.35 | 0.21 |
| SB ON FROM NB 1ST Ave | SB 5 | R16.523 | 1,104.00 | 220.00 | 1,324.00 | 167.71 | 0.31 | 0.16 |
| SB OFF TO B St/PERSHING | SB 5 | R15.816 | 6,722.22 | 158.33 | 6,880.56 | 871.54 | 1.63 | 1.11 |
| SB OFF TO Rte 94 & G St | SB 5 | R15.640 | 2,738.89 | 700.00 | 3,438.89 | 435.59 | 0.82 | 0.73 |
| SB OFF TO LOGAN/BEARDSLEY | SB 5 | R14.341 | 1,050.00 | 22.22 | 1,072.22 | 135.81 | 0.25 | 0.15 |
| SB OFF TO NORTH Jct 75 | SB 5 | R14.175 | 870.00 | 146.67 | 1,016.67 | 128.78 | 0.24 | 0.09 |
| SB ON FROM NORTH Jct 75 | SB 5 | R13.904 | 1,833.33 | 310.00 | 2,143.33 | 271.49 | 0.51 | 0.24 |
| SB OFF TO NATIONAL/28TH | SB 5 | R13.540 | 4,695.78 | 260.00 | 4,955.78 | 627.73 | 1.18 | 0.62 |
| SB 5/15 OFF TO MAIN St | SB 5 | R12.108 | 10,704.00 | 622.22 | 11,326.22 | 1,434.65 | 2.69 | 1.61 |
| SB ON FROM MAIN St | SB 5 | R11.614 | 2,777.78 | 878.33 | 3,656.11 | 463.11 | 0.87 | 0.72 |
| SB ON FROM 8TH St | SB 5 | R10.955 | 1,952.78 | 103.33 | 2,056.11 | 260.44 | 0.49 | 0.33 |
| SB OFF TO CLEVELAND Ave | SB 5 | R10.776 | 958.33 | 0.00 | 958.33 | 121.39 | 0.23 | 0.11 |
| SB ON FROM HARBOR Dr | SB 5 | R10.600 | 2,696.73 | 126.67 | 2,823.39 | 357.63 | 0.67 | 0.41 |
| SB OFF TO 24TH St | SB 5 | R10.213 | 2,945.00 | 288.89 | 3,233.89 | 409.63 | 0.77 | 0.36 |
| SUBTOTAL | | | | | 91,224.27 | 11,555.07 | 21.63 | 14.09 |

## AUXILIARY LANE QUANTITIES

| LOCATION | | | LENGTH | AUXILIARY LANE WIDTH | AUXILIARY LANE STRUCTURAL SECTION | GRIND EXISTING CONCRETE PAVEMENT | COLD PLANE AC PAVEMENT | RUBBERIZED HMA (GAP GRADED) | TACK COAT |
|---|---|---|---|---|---|---|---|---|---|
| DIRECTION | FROM PM | TO PM | LF (N) | LF (N) | TYPE | SQYD | SQYD | TON | TON |
| NB 5 | R10.00 | R10.63 | 3,326.40 | 12-24 | 4 | 5,280.00 | 0.00 | 0.00 | 0.00 |
| NB 5 | R11.80 | R12.24 | 2,323.20 | 12-24 | 4 | 5,209.60 | 0.00 | 0.00 | 0.00 |
| NB 5 | R13.46 | R14.05 | 3,115.20 | 12-24 | 7 | 0.00 | 5,491.20 | 695.55 | 1.30 |
| NB 5 | R14.32 | R14.90 | 3,062.40 | 12-15 | 7 | 0.00 | 3,786.67 | 479.64 | 0.90 |
| NB 5 | R15.34 | R15.75 | 2,164.80 | 24 | 9 | 5,772.80 | 5,772.80 | 0.00 | 0.00 |
| NB 5 | R15.75 | R16.02 | 1,425.60 | 12 | 7 | 0.00 | 1,900.80 | 240.77 | 0.45 |
| NB 5 | R16.30 | R16.50 | 1,056.00 | 12 | 7 | 0.00 | 1,408.00 | 178.35 | 0.33 |
| NB 5 | R16.90 | R17.05 | 792.00 | 12 | 4 | 1,056.00 | 0.00 | 0.00 | 0.00 |
| NB 5 | R17.09 | R17.35 | 1,372.80 | 12 | 7 | 0.00 | 1,830.40 | 231.85 | 0.43 |
| NB 5 | R18.55 | R18.83 | 1,478.40 | 12 | 4 | 1,971.20 | 0.00 | 0.00 | 0.00 |
| NB 5 | R19.35 | R19.45 | 528.00 | 12 | 4 | 704.00 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| SB 5 | R19.85 | R19.75 | 528.00 | 12-24 | 4 | 1,056.00 | 0.00 | 0.00 | 0.00 |
| SB 5 | R19.41 | R19.20 | 1,108.80 | 12 | 9 | 1,478.40 | 1,478.40 | 0.00 | 0.00 |
| SB 5 | R19.20 | R18.80 | 2,112.00 | 12 | 7 | 0.00 | 2,816.00 | 356.69 | 0.67 |
| SB 5 | R18.80 | R18.71 | 475.20 | 12 | 9 | 633.60 | 633.60 | 0.00 | 0.00 |
| SB 5 | R18.71 | R18.45 | 1,372.80 | 12 | 4 | 1,830.40 | 0.00 | 0.00 | 0.00 |
| SB 5 | R17.55 | R17.35 | 1,056.00 | 12 | 7 | 0.00 | 1,408.00 | 178.35 | 0.33 |
| SB 5 | R17.34 | R16.96 | 2,006.40 | 12 | 4 | 2,675.20 | 0.00 | 0.00 | 0.00 |
| SB 5 | R16.70 | R16.10 | 3,168.00 | 12 | 7 | 0.00 | 4,224.00 | 535.04 | 1.00 |
| SB 5 | R16.02 | R15.68 | 1,795.20 | 24 | 7 | 0.00 | 4,787.20 | 606.38 | 1.14 |
| SB 5 | R15.33 | R15.20 | 686.40 | 12-24 | 4 | 1,372.80 | 0.00 | 0.00 | 0.00 |
| SB 5 | R14.90 | R14.75 | 792.00 | 12 | 7 | 0.00 | 1,056.00 | 133.76 | 0.25 |
| SB 5 | R14.50 | R14.22 | 1,478.40 | 12-24 | 7 | 0.00 | 2,956.80 | 374.53 | 0.70 |
| SB 5 | R13.83 | R13.60 | 1,214.40 | 15 | 7 | 0.00 | 2,024.00 | 256.37 | 0.48 |
| SB 5 | R12.10 | R11.00 | 5,808.00 | 12-24 | 4 | 9,152.00 | 0.00 | 0.00 | 0.00 |
| SB 5 | R10.53 | R10.00 | 2,798.40 | 12 | 4 | 3,731.20 | 0.00 | 0.00 | 0.00 |
| SUBTOTAL | | | | | | 41,923.20 | 41,573.87 | 4,267.28 | 7.99 |

## REPAIR SPALLED JOINTS

| ROUTE | PM | SQYD |
|---|---|---|
| 5 NORTH | R10.0 - R20.0 | 282 |
| 5 SOUTH | R20.0 - R10.0 | 282 |
| | TOTAL | 564 |

## CONCRETE SLAB REPLACEMENT QUANTITIES

| | | | REPLACE CONCRETE PAVEMENT (RAPID STRENGTH CONCRETE) | | DRILL AND BOND TIE BARS | DOWEL BAR (DRILL AND BOND) |
|---|---|---|---|---|---|---|
| DIRECTION | PM | LANE | No. OF SLABS (N) | CY | No. OF TIE BARS (N) | EA |
| NB 5 | R12.56 | 3 | 1 | 7.2 | 10 | 16 |
| NB 5 | R14.10 | 1,2,3,4 | 4 | 28.8 | 15 | 64 |
| | | | | | | |
| SB 5 | R19.37 | 3,4,Aux | 3 | 21.6 | 15 | 48 |
| SB 5 | R19.25 | 1,2 | 2 | 14.4 | 10 | 32 |
| SB 5 | R18.73 | 3,4 | 4 | 28.8 | 10 | 32 |
| SB 5 | R18.10 | 3,4 | 4 | 28.8 | 10 | 32 |
| SB 5 | R17.25 | 2,3,4 | 3 | 21.6 | 10 | 48 |
| SB 5 | R17.24 | 3,4 | 2 | 14.4 | 10 | 32 |
| SB 5 | R14.65 | 3,4 | 2 | 14.4 | 10 | 32 |
| SB 5 | R14.35 | 3,4 | 2 | 14.4 | 10 | 32 |
| SB 5 | R14.34 | 3,4 | 2 | 14.4 | 10 | 32 |
| SB 5 | R14.33 | 2 | 1 | 7.2 | 10 | 16 |
| SB 5 | R14.31 | 1 | 1 | 7.2 | 5 | 16 |
| SB 5 | R14.28 | 2 | 1 | 7.2 | 10 | 16 |
| SB 5 | R14.27 | 2 | 2 | 14.4 | 10 | 16 |
| SB 5 | R14.04 | 3,4 | 2 | 14.4 | 10 | 32 |
| SB 5 | R14.03 | 4 | 1 | 7.2 | 5 | 16 |
| SB 5 | R14.02 | 4 | 1 | 7.2 | 5 | 16 |
| SB 5 | R14.02 | 4 | 1 | 7.2 | 5 | 16 |
| SB 5 | R13.58 | 3,4 | 2 | 14.4 | 10 | 32 |
| SB 5 | R13.50 | 3,4 | 2 | 14.4 | 10 | 32 |
| SB 5 | R13.47 | 3,4 | 2 | 14.4 | 10 | 32 |
| SB 5 | R13.45 | 4 | 1 | 7.2 | 5 | 16 |
| | | TOTAL | | 331.2 | | 656 |

2 **REVISED PER ADDENDUM No. 2 DATED NOVEMBER 19, 2010**

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

# SUMMARY OF QUANTITIES
# Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans PROJECT DEVELOPMENT

FUNCTIONAL SUPERVISOR: CHRIS M. THOMAS
CALCULATED-DESIGNED BY: DEBORAH YOST
CHECKED BY: BAHMAN YAZDANI
REVISED BY
DATE REVISED

LAST REVISION 11-16-10 | DATE PLOTTED => 16-NOV-2010 | TIME PLOTTED => 14:49

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 11 | SD | 5 | R10.0/R20.0 | 42 | 60 |

REGISTERED CIVIL ENGINEER 08-03-10 DATE

08-09-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER DEBORAH YOST No. 70685 Exp. 06-30-11 CIVIL STATE OF CALIFORNIA

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2

# MAIN LANE QUANTITIES

| LOCATION | | | LENGTH | TRAVELED WAY WIDTH | GRIND EXISTING CONCRETE PAVEMENT | SHOULDER WIDTH | | COLD PLANE AC PAVEMENT | RUBBERIZED HMA (GAP GRADED) | TACK COAT | ASPHALTIC EMULSION (FOG SEAL COAT) | * SEAL JOINT (Exist Conc PAVEMENT) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DIRECTION | FROM PM | TO PM | LF (N) | LF (N) | SQYD | INSIDE LF (N) | OUTSIDE LF (N) | SQYD | TON | TON | TON | LF |
| NB 5 | R10.00 | R10.04 | 221.76 | 48 | 1,182.72 | 8 | 10 | 418.88 | 40.57 | 0.10 | 0.14 | 221.76 |
| NB 5 | R10.07 | R10.39 | 1,673.76 | 48 | 8,926.72 | 8 | 10 | 3,161.55 | 306.24 | 0.75 | 1.06 | 1,673.76 |
| NB 5 | R10.41 | R10.43 | 105.60 | 48 | 563.20 | 8 | 10 | 199.47 | 19.32 | 0.05 | 0.07 | 105.60 |
| NB 5 | R10.45 | R10.68 | 1,198.56 | 48 | 6,392.32 | 8 | 10 | 2,263.95 | 219.29 | 0.54 | 0.76 | 1,198.56 |
| NB 5 | R10.71 | R10.75 | 221.76 | 48 | 1,182.72 | 8 | 10 | 418.88 | 40.57 | 0.10 | 0.14 | 221.76 |
| NB 5 | R10.84 | R11.13 | 1,536.48 | 48 | 8,194.56 | 8 | 10 | 2,902.24 | 281.12 | 0.69 | 0.97 | 1,536.48 |
| NB 5 | R11.17 | R11.66 | 2,597.76 | 48 | 13,854.72 | 8 | 10 | 4,906.88 | 475.29 | 1.16 | 1.64 | 2,597.76 |
| NB 5 | R11.72 | R12.03 | 1,636.80 | 48 | 8,729.60 | 8 | 10 | 3,091.73 | 299.47 | 0.73 | 1.04 | 1,636.80 |
| NB 5 | R12.05 | R12.43 | 2,027.52 | 48 | 10,813.44 | 8 | 10 | 3,829.76 | 370.96 | 0.91 | 1.28 | 2,027.52 |
| NB 5 | R12.48 | R12.53 | 253.44 | 48 | 1,351.68 | 8 | 10 | 478.72 | 46.37 | 0.11 | 0.16 | 253.44 |
| NB 5 | R12.55 | R12.62 | 380.16 | 48 | 2,027.52 | 8 | 10 | 718.08 | 69.56 | 0.17 | 0.24 | 380.16 |
| NB 5 | R12.68 | R12.73 | 279.84 | 48 | 1,492.48 | 8 | 10 | 528.59 | 51.20 | 0.13 | 0.18 | 279.84 |
| NB 5 | R12.76 | R14.12 | 7,143.84 | 48 | 38,100.48 | 8 | 10 | 13,493.92 | 1,307.06 | 3.20 | 4.52 | 7,143.84 |
| NB 5 | R14.15 | R14.43 | 1,473.12 | 48 | 7,856.64 | 8 | 10 | 2,782.56 | 269.53 | 0.66 | 0.93 | 1,473.12 |
| NB 5 | R14.47 | R14.51 | 200.64 | 48 | 1,070.08 | 8 | 10 | 378.99 | 36.71 | 0.09 | 0.13 | 200.64 |
| NB 5 | R14.54 | R15.25 | 3,748.80 | 48 | 19,993.60 | 8 | 10 | 7,081.07 | 685.89 | 1.68 | 2.37 | 3,748.80 |
| NB 5 | R15.26 | R15.32 | 311.52 | 48 | 1,661.44 | 8 | 10 | 588.43 | 57.00 | 0.14 | 0.20 | 311.52 |
| NB 5 | R15.33 | R15.41 | 380.16 | 48 | 2,027.52 | 8 | 10 | 718.08 | 69.56 | 0.17 | 0.24 | 380.16 |
| NB 5 | R15.43 | R16.02 | 3,146.88 | 48 | 16,783.36 | 8 | 10 | 5,944.11 | 575.76 | 1.41 | 1.99 | 3,146.88 |
| NB 5 | R16.11 | R16.83 | 3,828.00 | 48 | 20,416.00 | 8 | 10 | 7,230.67 | 700.38 | 1.71 | 2.42 | 3,828.00 |
| NB 5 | R16.85 | R16.91 | 337.92 | 48 | 1,802.24 | 8 | 10 | 638.29 | 61.83 | 0.15 | 0.21 | 337.92 |
| NB 5 | R16.92 | R17.04 | 617.76 | 48 | 3,294.72 | 8 | 10 | 1,166.88 | 113.03 | 0.28 | 0.39 | 617.76 |
| NB 5 | R17.06 | R17.21 | 792.00 | 48 | 4,224.00 | 8 | 10 | 1,496.00 | 144.91 | 0.35 | 0.50 | 792.00 |
| NB 5 | R17.22 | R17.28 | 311.52 | 48 | 1,661.44 | 8 | 10 | 588.43 | 57.00 | 0.14 | 0.20 | 311.52 |
| NB 5 | R17.30 | R17.77 | 2,486.88 | 48 | 13,263.36 | 8 | 10 | 4,697.44 | 455.01 | 1.11 | 1.57 | 2,486.88 |
| NB 5 | R17.80 | R17.99 | 1,003.20 | 48 | 5,350.40 | 8 | 10 | 1,894.93 | 183.55 | 0.45 | 0.63 | 1,003.20 |
| NB 5 | R18.01 | R18.28 | 1,425.60 | 48 | 7,603.20 | 8 | 10 | 2,692.80 | 260.83 | 0.64 | 0.90 | 1,425.60 |
| NB 5 | R18.32 | R18.53 | 1,261.92 | 48 | 5,941.76 | 8 | 10 | 2,104.37 | 203.84 | 0.50 | 0.70 | 1,114.08 |
| NB 5 | R18.56 | R19.41 | 4,641.12 | 48 | 23,964.16 | 8 | 10 | 8,487.31 | 822.10 | 2.01 | 2.84 | 4,493.28 |
| NB 5 | R19.71 | R20.00 | 1,547.04 | 48 | 8,250.88 | 8 | 10 | 2,922.19 | 283.05 | 0.69 | 0.98 | 1,547.04 |
| | | | | | | | | | | | | |
| SB 5 | R20.00 | R19.71 | 1,547.04 | 48 | 8,250.88 | 8 | 10 | 2,922.19 | 283.05 | 0.69 | 0.98 | 1,547.04 |
| SB 5 | R19.41 | R18.56 | 4,641.12 | 48 | 23,964.16 | 8 | 10 | 8,487.31 | 822.10 | 2.01 | 2.84 | 4,493.28 |
| SB 5 | R18.53 | R18.32 | 1,261.92 | 48 | 5,941.76 | 8 | 10 | 2,104.37 | 203.84 | 0.50 | 0.70 | 1,114.08 |
| SB 5 | R18.28 | R18.01 | 1,425.60 | 48 | 7,603.20 | 8 | 10 | 2,692.80 | 260.83 | 0.64 | 0.90 | 1,425.60 |
| SB 5 | R17.99 | R17.80 | 1,003.20 | 48 | 5,350.40 | 8 | 10 | 1,894.93 | 183.55 | 0.45 | 0.63 | 1,003.20 |
| SB 5 | R17.77 | R17.30 | 2,486.88 | 48 | 13,263.36 | 8 | 10 | 4,697.44 | 455.01 | 1.11 | 1.57 | 2,486.88 |
| SB 5 | R17.28 | R17.22 | 311.52 | 48 | 1,661.44 | 8 | 10 | 588.43 | 57.00 | 0.14 | 0.20 | 311.52 |
| SB 5 | R17.21 | R17.06 | 792.00 | 48 | 4,224.00 | 8 | 10 | 1,496.00 | 144.91 | 0.35 | 0.50 | 792.00 |
| SB 5 | R17.04 | R16.92 | 617.76 | 48 | 3,294.72 | 8 | 10 | 1,166.88 | 113.03 | 0.28 | 0.39 | 617.76 |
| SB 5 | R16.91 | R16.85 | 337.92 | 48 | 1,802.24 | 8 | 10 | 638.29 | 61.83 | 0.15 | 0.21 | 337.92 |
| SB 5 | R16.83 | R16.11 | 3,828.00 | 48 | 20,416.00 | 8 | 10 | 7,230.67 | 700.38 | 1.71 | 2.42 | 3,828.00 |
| SB 5 | R16.02 | R15.43 | 3,146.88 | 48 | 16,783.36 | 8 | 10 | 5,944.11 | 575.76 | 1.41 | 1.99 | 3,146.88 |
| SB 5 | R15.41 | R15.33 | 380.16 | 48 | 2,027.52 | 8 | 10 | 718.08 | 69.56 | 0.17 | 0.24 | 380.16 |
| SB 5 | R15.32 | R15.26 | 311.52 | 48 | 1,661.44 | 8 | 10 | 588.43 | 57.00 | 0.14 | 0.20 | 311.52 |
| SB 5 | R15.25 | R14.54 | 3,748.80 | 48 | 19,993.60 | 8 | 10 | 7,081.07 | 685.89 | 1.68 | 2.37 | 3,748.80 |
| SB 5 | R14.51 | R14.47 | 200.64 | 48 | 1,070.08 | 8 | 10 | 378.99 | 36.71 | 0.09 | 0.13 | 200.64 |
| SB 5 | R14.43 | R14.15 | 1,473.12 | 48 | 7,856.64 | 8 | 10 | 2,782.56 | 269.53 | 0.66 | 0.93 | 1,473.12 |
| SB 5 | R14.12 | R12.76 | 7,143.84 | 48 | 38,100.48 | 8 | 10 | 13,493.92 | 1,307.06 | 3.20 | 4.52 | 7,143.84 |
| SB 5 | R12.73 | R12.68 | 279.84 | 48 | 1,492.48 | 8 | 10 | 528.59 | 51.20 | 0.13 | 0.18 | 279.84 |
| SB 5 | R12.62 | R12.55 | 380.16 | 48 | 2,027.52 | 8 | 10 | 718.08 | 69.56 | 0.17 | 0.24 | 380.16 |
| SB 5 | R12.53 | R12.48 | 253.44 | 48 | 1,351.68 | 8 | 10 | 478.72 | 46.37 | 0.11 | 0.16 | 253.44 |
| SB 5 | R12.43 | R12.05 | 2,027.52 | 48 | 10,813.44 | 8 | 10 | 3,829.76 | 370.96 | 0.91 | 1.28 | 2,027.52 |
| SB 5 | R12.03 | R11.72 | 1,636.80 | 48 | 8,729.60 | 8 | 10 | 3,091.73 | 299.47 | 0.73 | 1.04 | 1,636.80 |
| SB 5 | R11.66 | R11.17 | 2,597.76 | 48 | 13,854.72 | 8 | 10 | 4,906.88 | 475.29 | 1.16 | 1.64 | 2,597.76 |
| SB 5 | R11.13 | R10.84 | 1,536.48 | 48 | 8,194.56 | 8 | 10 | 2,902.24 | 281.12 | 0.69 | 0.97 | 1,536.48 |
| SB 5 | R10.75 | R10.71 | 221.76 | 48 | 1,182.72 | 8 | 10 | 418.88 | 40.57 | 0.10 | 0.14 | 221.76 |
| SB 5 | R10.68 | R10.45 | 1,198.56 | 48 | 6,392.32 | 8 | 10 | 2,263.95 | 219.29 | 0.54 | 0.76 | 1,198.56 |
| SB 5 | R10.43 | R10.41 | 105.60 | 48 | 563.20 | 8 | 10 | 199.47 | 19.32 | 0.05 | 0.07 | 105.60 |
| SB 5 | R10.39 | R10.07 | 1,673.76 | 48 | 8,926.72 | 8 | 10 | 3,161.55 | 306.24 | 0.75 | 1.06 | 1,673.76 |
| SB 5 | R10.04 | R10.00 | 221.76 | 48 | 1,182.72 | 8 | 10 | 418.88 | 40.57 | 0.10 | 0.14 | 221.76 |
| SUBTOTAL (THIS SHEET) | | | | | 495,953.92 | | | 175,650.35 | 17,013.97 | 41.66 | 58.81 | 92,991.36 |
| SUBTOTAL (RAMPS AND GORES) | | | | | 0.00 | | | 91,224.27 | 11,555.07 | 21.63 | 14.09 | 0.00 |
| SUBTOTAL (AUXILIARY LANES) | | | | | 41,923.20 | | | 41,573.87 | 4,267.28 | 7.99 | 0.00 | 0.00 |
| TOTAL | | | | | 537,877.12 | | | 308,448.48 | 32,836.33 | 71.28 | 72.90 | 92,991.36 |

2 **REVISED PER ADDENDUM No. 2 DATED NOVEMBER 19, 2010**

* SEAL JOINT SHALL BE TYPE R. ONLY THE LONGITUDINAL JOINT BETWEEN LANES 2 AND 3 WILL HAVE SEAL JOINT.

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

## SUMMARY OF QUANTITIES
## Q-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans PROJECT DEVELOPMENT

FUNCTIONAL SUPERVISOR: CHRIS M. THOMAS
CALCULATED-DESIGNED BY: DEBORAH YOST
CHECKED BY: BAHMAN YAZDANI
REVISED BY
DATE REVISED

LAST REVISION 11-16-10 | DATE PLOTTED => 16-NOV-2010 | TIME PLOTTED => 14:49