| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 04 | Ala | 580 | R14.6/R21.6 | 101 | 804 |

REGISTERED CIVIL ENGINEER 9/23/11 DATE

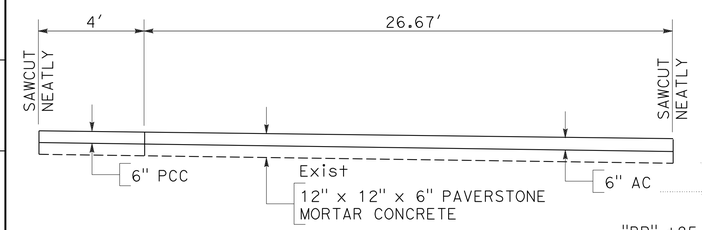
4-9-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER N.V. BERNARDI No. 45407 Exp. 9/30/12 CIVIL STATE OF CALIFORNIA

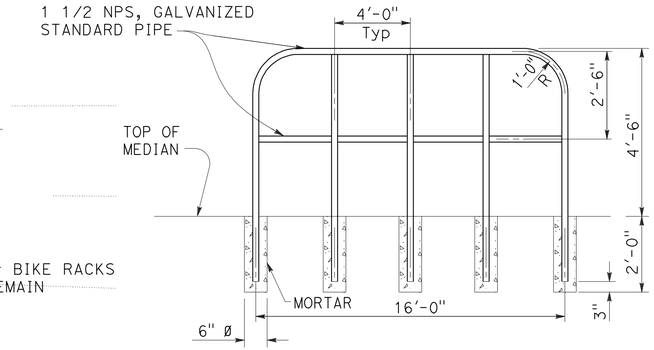
*THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.*

BKF ENGINEERS
4670 WILLOW ROAD, SUITE 250
PLEASANTON, CA. 94588

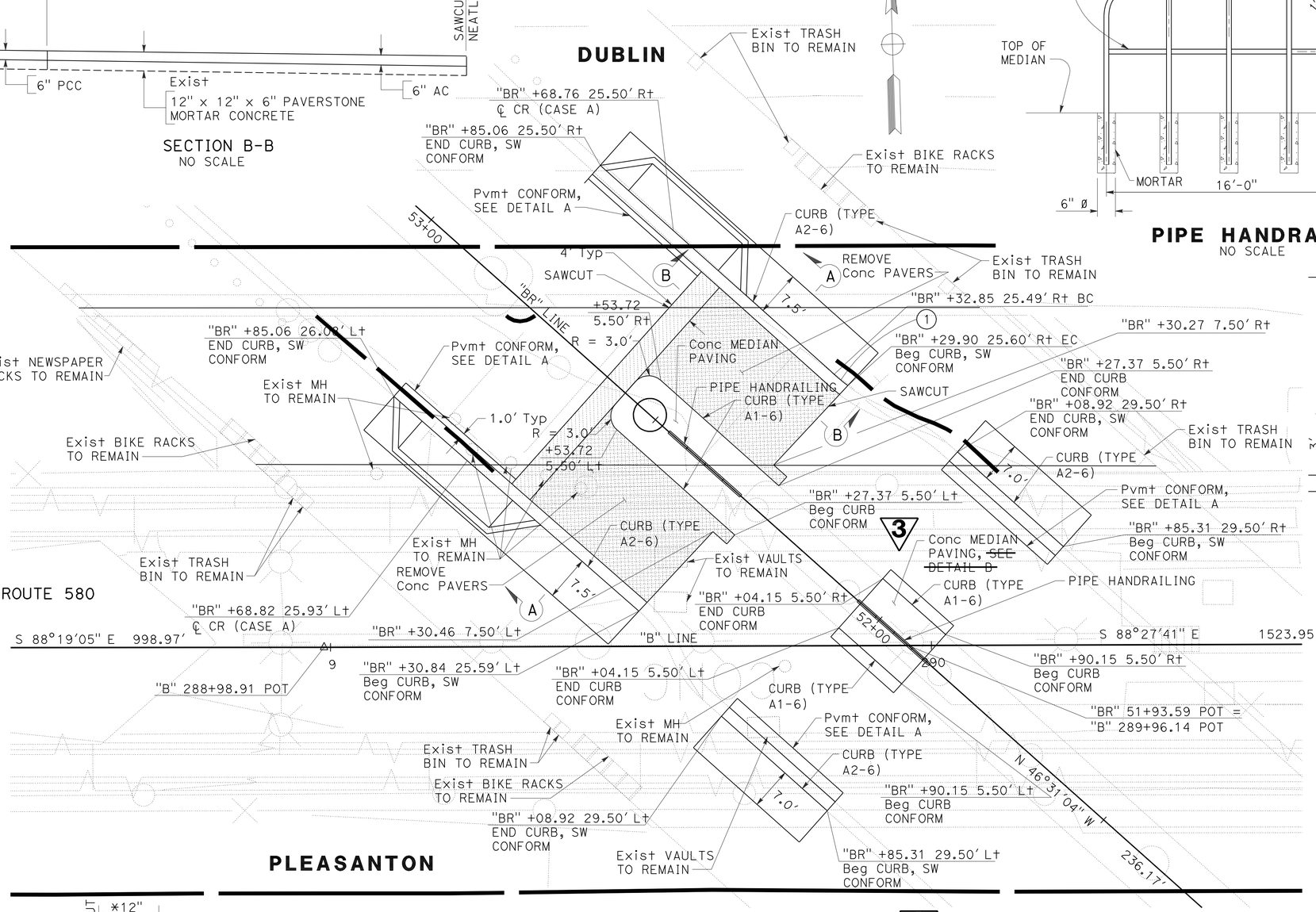
ALAMEDA CTC
1333 BROADWAY SUITE 220
OAKLAND, CA. 94612

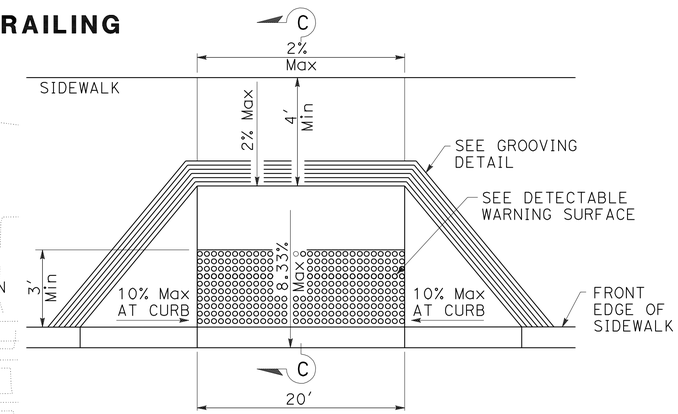



SECTION B-B
NO SCALE

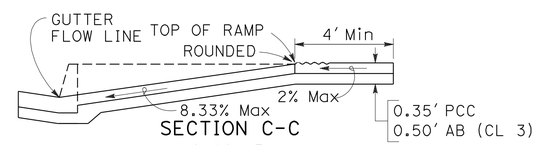



PIPE HANDRAILING
NO SCALE

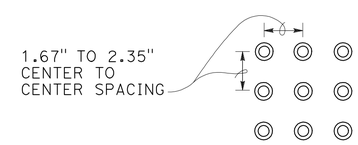


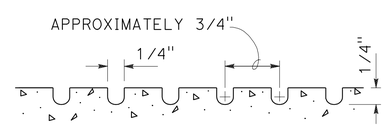

CURB RAMP DETAILS
NO SCALE



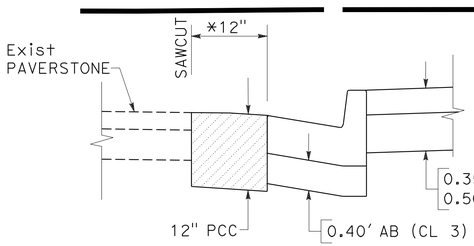

SECTION C-C
NO SCALE




RAISED TRUNCATED DOME PATTERN (IN-LINE)
DETECTABLE WARNING SURFACE
NO SCALE

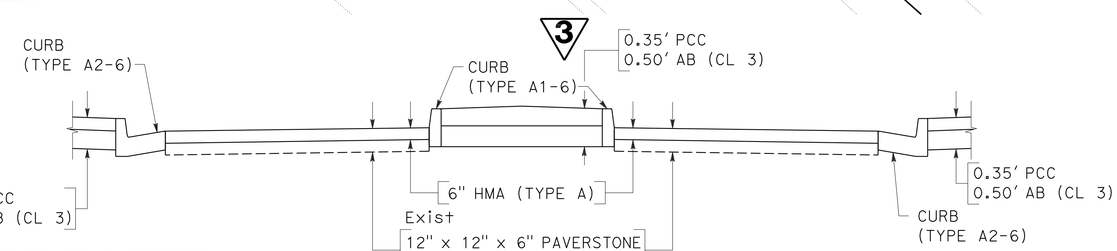



GROOVING DETAIL
NO SCALE




PAVEMENT CONFORM
DETAIL A
NO SCALE

*NOTE:
REMOVE THE FIRST ROW OF PAVERSTONE AND RECONSTRUCT WITH 12" PCC, WHERE THE FIRST ROW OF PAVERSTONE IS LESS THAN 12", REMOVE UP TO 12".




SECTION A-A
NO SCALE

CURVE DATA

| No. | R | Δ | T | L |
|---|---|---|---|---|
| 1 | 30.00' | 5°38'15" | 1.48' | 2.95' |

# CONSTRUCTION DETAILS

SCALE: 1" = 10'

C-25

3 REVISED PER ADDENDUM No. 3 DATED AUGUST 22, 2012

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

CONSULTANT FUNCTIONAL SUPERVISOR: NATALINA V. BERNARDI

CALCULATED-DESIGNED BY: DAT Q. NGUYEN | CHECKED BY: LUIS GARCIA

REVISED BY: DQN | DATE REVISED: 9/23/11

LAST REVISION: 09-23-11 | DATE PLOTTED => 21-AUG-2012 | TIME PLOTTED => 13:00

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 04 | Ala | 580 | R14.6/R21.6 | 104 | 804 |

9/23/11
REGISTERED CIVIL ENGINEER DATE

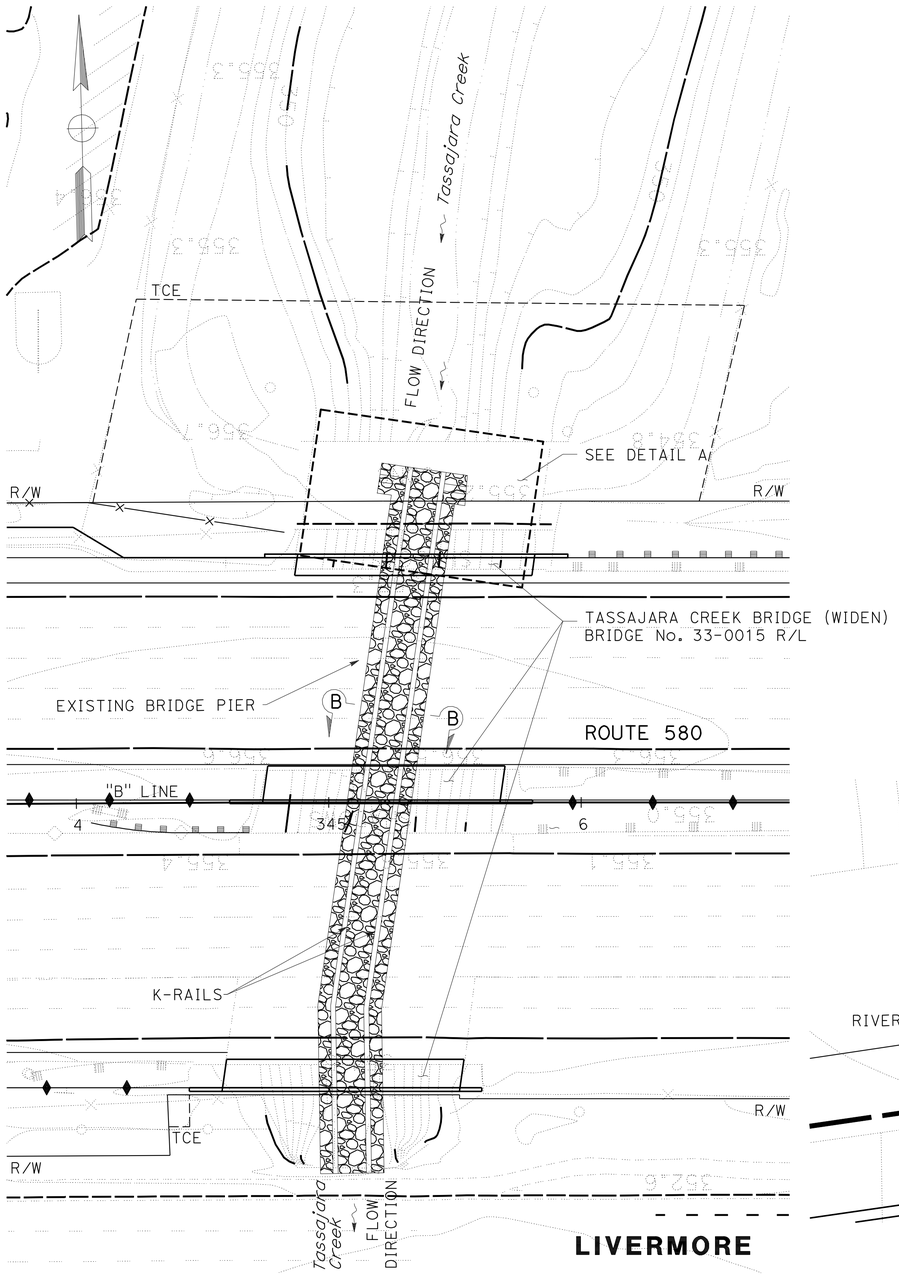
4-9-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
N.V. BERNARDI
No. 45407
Exp. 9/30/12
CIVIL
STATE OF CALIFORNIA

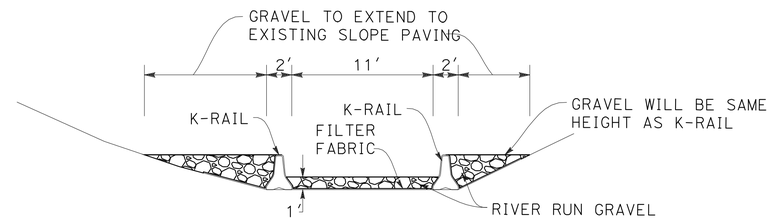
*THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.*

BKF ENGINEERS
4670 WILLOW ROAD, SUITE 250
PLEASANTON, CA. 94588

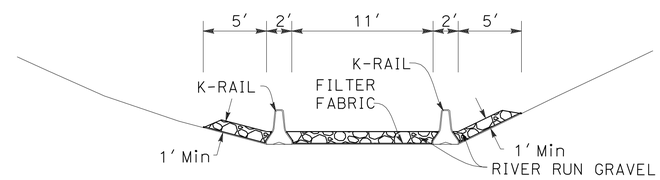
ALAMEDA CTC
1333 BROADWAY SUITE 220
OAKLAND, CA. 94612



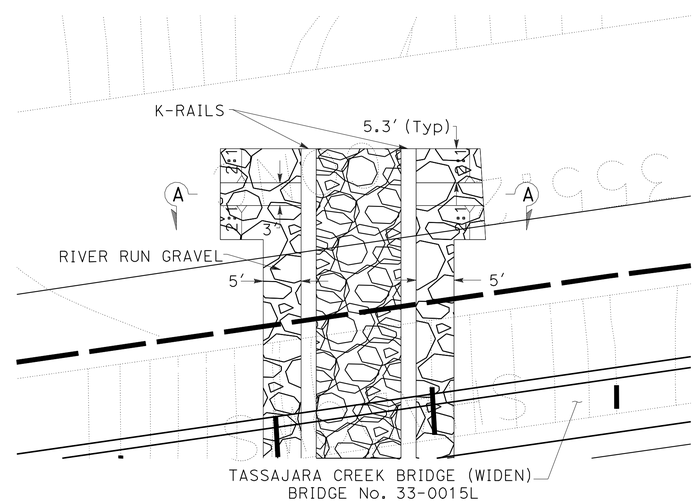

**TEMPORARY CREEK DIVERSION SYSTEM**
**FOR TASSAJARA CREEK**
SCALE: 1" = 30'




**CROSS SECTION A-A**
NO SCALE




**CROSS SECTION B-B**
NO SCALE




**DETAIL A**
SCALE: 1" = 10'

NOTES:

1. CONTRACTOR SHALL RESTORE CREEK TO EXISTING CONDITIONS AFTER EACH CONSTRUCTION SEASON AND AT COMPLETION OF WORK.

3 ~~2. FROM OCTOBER 15 TO APRIL 15, CONTRACTOR SHALL NOT PERFORM ANY WORK IN THE CREEK, FROM THE TOP OF BANK TO THE TOP OF BANK.~~

2 ~~3.~~ FOLLOWING PROJECT COMPLETION, TEMPORARY CREEK DIVERSION REMOVED. GRADES SHALL BE RESTORED PER NOTE 1.

3 3 ~~4.~~ SEE DQ-1 FOR APC ALLOWABLE PIPE MATERIAL.

**CONSTRUCTION DETAILS**
**TEMPORARY CREEK DIVERSION**
SCALE: AS SHOWN

**C-28**

3 **REVISED PER ADDENDUM No. 3 DATED AUGUST 22, 2012**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: NATALINA V. BERNARDI
CALCULATED-DESIGNED BY: DAT Q. NGUYEN
CHECKED BY: LUIS GARCIA
REVISED BY: DQN
DATE REVISED: 9/23/11

LAST REVISION 09-23-11
DATE PLOTTED => 21-AUG-2012
TIME PLOTTED => 13:00

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

# STAGE 1

| LINE | STATION LIMITS | CONSTRUCTION |
|---|---|---|
| B | 272+23 TO 278+00 | 1. CONSTRUCT ROUTE 580 MAINLINE ON THE INSIDE. |
| B<br>B | 288+53 TO 290+31<br>290+59 TO 291+50 | 2. CONSTRUCT WIDENING OF DOUGHERTY UNDERCROSSING. |
| B | 306+22 TO 331+80 | 3. RECONSTRUCT EXISTING BART BARRIER. |
| B | 331+80 TO 540+00 | 4. CONSTRUCT ROUTE 580 MAINLINE WIDENING ON THE INSIDE. |
| 3 B | 344+70 TO 345+68 | 5. CONSTRUCT WIDENING OF WB INSIDE TASSAJARA CREEK BRIDGE STRUCTURE. |
| 3 B | 195+10 TO 300+80 | ~~5.~~ CONSTRUCT SLAB REPLACEMENT AREAS.<br>6. SEE LAYOUT SHEETS FOR EXACT LOCATIONS. |

## LEGEND

CONSTRUCT THIS STAGE

BRIDGE CONSTRUCTION AREA

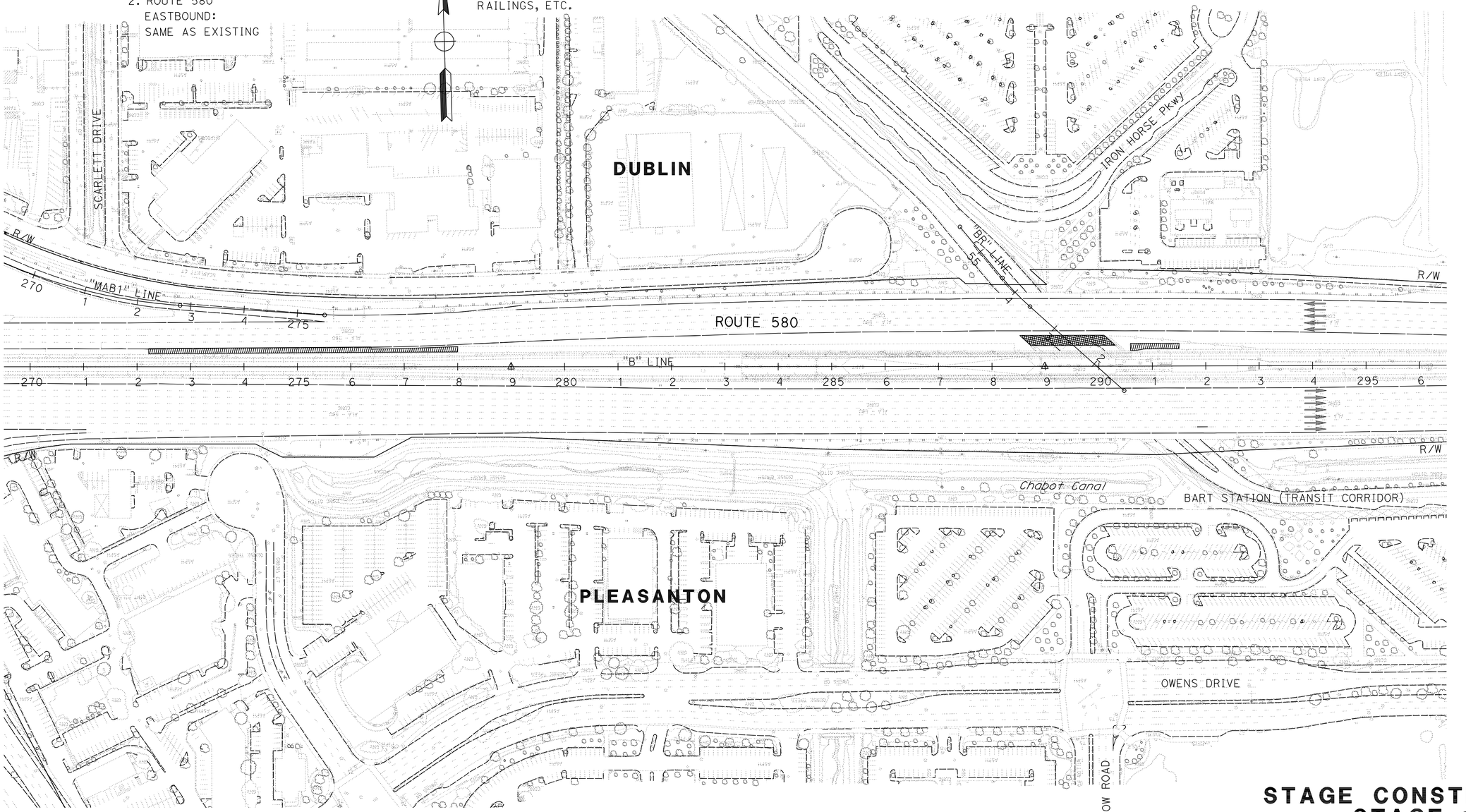
DIRECTION OF TRAFFIC

## TRAFFIC HANDLING STAGE 1

1. ROUTE 580
   WESTBOUND:
   LANE SHIFTED TO THE OUTSIDE
2. ROUTE 580
   EASTBOUND:
   SAME AS EXISTING

## NOTE:

CONTRACTOR SHALL REFER TO TRAFFIC HANDLING PLANS (TH-1 TO TH-22) FOR ADDITIONAL DETAILS SUCH AS PROPOSED LANE SHIFTINGS, LANE WIDTHS, TEMPORARY RAILINGS, ETC.




| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 04 | Ala | 580 | R14.6/R21.6 | 305 | 804 |

9/23/11
REGISTERED CIVIL ENGINEER DATE

4-9-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER N.V. BERNARDI No. 45407 Exp. 9/30/12 CIVIL STATE OF CALIFORNIA

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BKF ENGINEERS
4670 WILLOW ROAD, SUITE 250
PLEASANTON, CA. 94588

ALAMEDA CTC
1333 BROADWAY SUITE 220
OAKLAND, CA. 94612

3 **REVISED PER ADDENDUM No. 3 DATED AUGUST 22, 2012**

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

**STAGE CONSTRUCTION STAGE 1**

NO SCALE

**SC-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

CONSULTANT FUNCTIONAL SUPERVISOR: NATALINA V. BERNARDI

CALCULATED-DESIGNED BY: KEDI MEI — CHECKED BY: RODOLFO ONCHI

REVISED BY: KM — DATE REVISED: 9/23/11

LAST REVISION 09-23-11 — DATE PLOTTED => 21-AUG-2012 — TIME PLOTTED => 11:14

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 04 | Ala | 580 | R14.6/R21.6 | 308 | 804 |

9/23/11
REGISTERED CIVIL ENGINEER DATE

4-9-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
N.V. BERNARDI
No. 45407
Exp. 9/30/12
CIVIL
STATE OF CALIFORNIA

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BKF ENGINEERS
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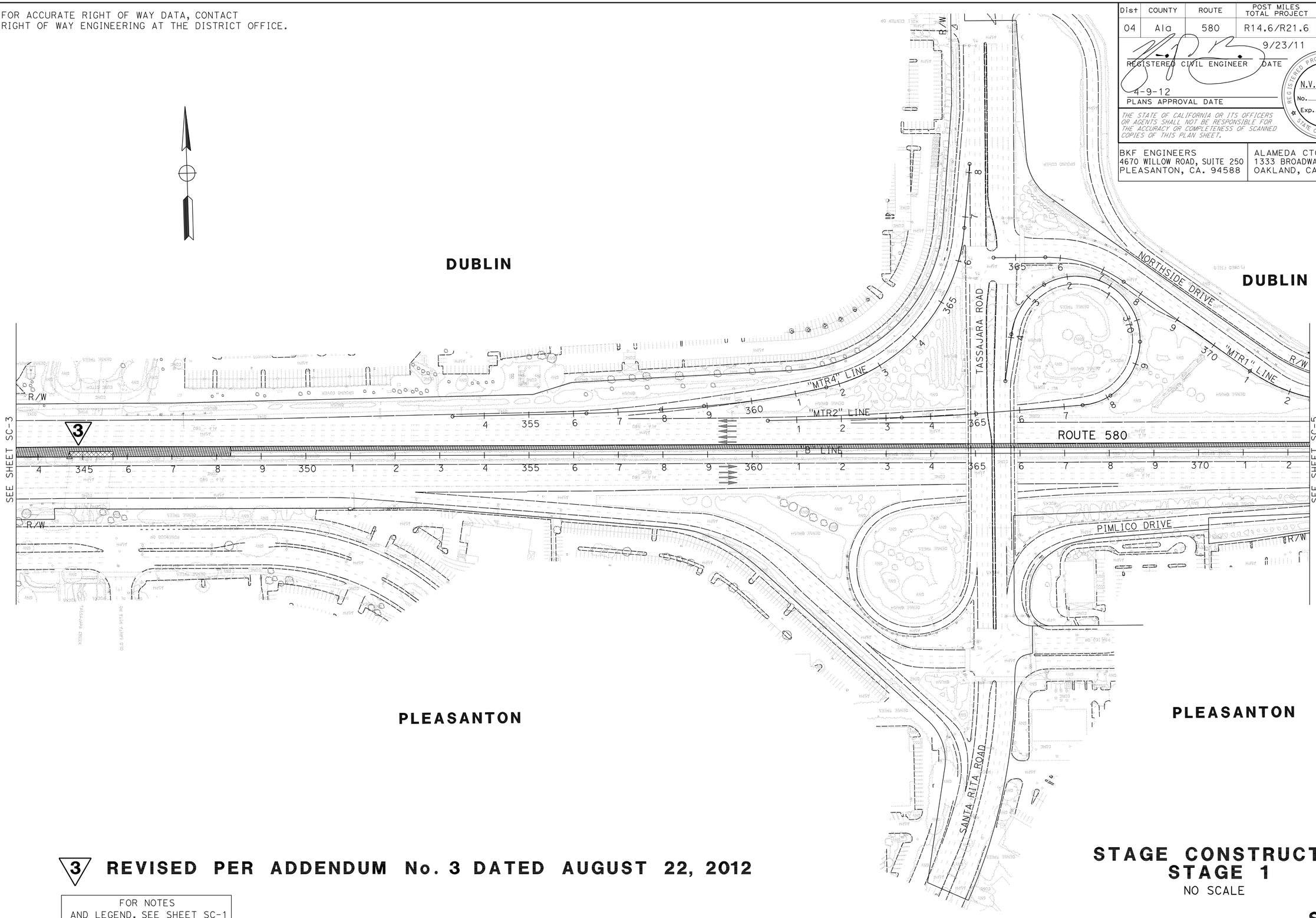
1333 BROADWAY SUITE 220
OAKLAND, CA. 94612




3 REVISED PER ADDENDUM No. 3 DATED AUGUST 22, 2012

FOR NOTES
AND LEGEND, SEE SHEET SC-1

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

## STAGE CONSTRUCTION
## STAGE 1
NO SCALE

SC-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: NATALINA V. BERNARDI

CALCULATED-DESIGNED BY: KEDI MEI
CHECKED BY: RODOLFO ONCHI

REVISED BY: KM
DATE REVISED: 9/23/11

LAST REVISION: 09-23-11
DATE PLOTTED => 21-AUG-2012
TIME PLOTTED => 13:00

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 04 | Ala | 580 | R14.6/R21.6 | 536 | 804 |

REGISTERED CIVIL ENGINEER 9/23/11 DATE

4-9-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER N.V. BERNARDI No. 45407 Exp. 9/30/12 CIVIL STATE OF CALIFORNIA

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1333 BROADWAY SUITE 220
OAKLAND, CA. 94612

## INDIVIDUAL SLAB REPLACEMENT PRECAST CONCRETE PANEL

| STATION | LOCATION | LANE No. | INDIVIDUAL SLAB REPLACEMENT PRECAST CONCRETE PANEL | | LEAN CONCRETE BASE-RAPID SETTING | | DOWEL BAR RETROFIT |
|---|---|---|---|---|---|---|---|
| | | | THICKNESS (N) | VOLUME | THICKNESS (N) | VOLUME | |
| | | | Ft | CY | Ft | CY | EA |
| "B" 195+10.00 TO 195+40.00 | Lt | 4 | 1.15 | 18 | 0.50 | 8 | 16 |
| "B" 220+04.00 TO 220+94.00 | Lt | 3 | 0.75 | 43 | 0.33 | 19 | 24 |
| "B" 224+65.00 TO 224+95.00 | Lt | 2, 3 | 0.75 | 20 | 0.33 | 9 | 32 |
| "B" 245+45.00 TO 245+90.00 | Lt | 2 | 0.75 | 17 | 0.40 | 9 | 16 |
| "B" 245+60.00 TO 245+90.00 | Lt | 1 | 0.75 | 10 | 0.40 | 6 | 16 |
| "B" 247+29.00 TO 247+89.00 | Lt | 4 | 0.75 | 22 | 0.40 | 12 | 16 |
| "B" 247+59.00 TO 247+89.00 | Lt | 3 | 0.75 | 10 | 0.40 | 6 | 16 |
| "B" 252+35.00 TO 252+80.00 | Lt | 4 | 0.75 | 15 | 0.40 | 8 | 16 |
| "B" 260+59.00 TO 261+34.00 | Lt | 3 | 0.80 | 27 | 0.45 | 15 | 16 |
| "B" 260+74.00 TO 261+34.00 | Lt | 4, 5 | 0.80 | 55 | 0.45 | 32 | 44 |
| "B" 261+04.00 TO 261+34.00 | Lt | 2 | 0.80 | 11 | 0.45 | 6 | 16 |
| "B" 268+60.00 TO 269+60.00 | Lt | 4 | 0.80 | 36 | 0.45 | 20 | 16 |
| "B" 269+15.00 TO 269+60.00 | Lt | 3 | 0.80 | 16 | 0.45 | 9 | 16 |
| "B" 270+77.00 TO 271+77.00 | Lt | 2 | 0.80 | 39 | 0.45 | 22 | 16 |
| "B" 270+87.00 TO 271+77.00 | Lt | 4 | 0.80 | 32 | 0.45 | 18 | 16 |
| "B" 271+47.00 TO 271+77.00 | Lt | 3 | 0.80 | 11 | 0.45 | 6 | 16 |
| "B" 271+62.00 TO 271+77.00 | Lt | 1 | 0.80 | 6 | 0.45 | 4 | 16 |
| "B" 272+30.00 TO 272+75.00 | Lt | 2 | 0.80 | 18 | 0.45 | 10 | 16 |
| "B" 272+45.00 TO 272+75.00 | Lt | 1, 4 | 0.80 | 22 | 0.45 | 12 | 32 |
| "B" 272+60.00 TO 272+75.00 | Lt | 3 | 0.80 | 6 | 0.45 | 3 | 16 |
| "B" 273+46.00 TO 274+21.00 | Lt | 4 | 0.80 | 27 | 0.45 | 15 | 16 |
| "B" 273+61.00 TO 274+21.00 | Lt | 3 | 0.80 | 22 | 0.45 | 12 | 16 |
| "B" 273+91.00 TO 274+21.00 | Lt | 2 | 0.80 | 12 | 0.45 | 7 | 16 |
| "B" 276+84.17 TO 277+15.00 | Lt | 5 | 0.80 | 11 | 0.45 | 6 | 16 |
| "B" 277+00.00 TO 277+15.00 | Lt | 4 | 0.80 | 6 | 0.45 | 4 | 16 |
| "B" 284+35.00 TO 284+50.00 | Lt | 4 | 0.80 | 6 | 0.45 | 3 | 16 |
| "B" 287+45.32 TO 287+92.80 | Lt | 5 | 0.80 | 18 | 0.45 | 10 | 8 |
| "B" 287+45.32 TO 288+05.32 | Lt | 4 | 0.80 | 22 | 0.45 | 12 | 8 |
| "B" 291+23.00 TO 291+53.00 | Lt | 3 | 0.80 | 11 | 0.45 | 6 | 16 |
| "B" 300+61.50 TO 300+76.49 | Lt | 3 | 0.80 | 6 | 0.45 | 4 | 16 |
| "B" 306+22.20 TO 308+05.00 | Lt | 1, 2, 3, 4, 5 + INSIDE Shld | 1.15 | 623 | 0.50 | 272 | 40 |
| "B" 342+10.00 TO 344+85.28 | Lt | 1, 2, 3, 4, 5 | 1.15 | 695 | 0.50 | 305 | |
| "B" 345+70.76 TO 347+75.00 | Lt | 1, 2, 3, 4, 5 | 1.15 | 515 | 0.50 | 225 | |
| | | | | | | | |
| TOTAL | | | | 2407* | | 1115* | 572* |

* QUANTITY INCLUDED IN ROADWAY QUANTITIES TABLE.

## REPLACE AC SURFACING

| STATION | LOCATION | LANE No. | LENGTH (N) | WIDTH (N) | DEPTH (N) | REPLACE AC SURFACING |
|---|---|---|---|---|---|---|
| | | | LF | LF | Ft | CY |
| "B" 235+23.66 TO 236+20.15 | Lt | 5 | 98 | 12 | 0.33 | 15 |
| "B" 235+77.77 TO 236+19.89 | Lt | 4 | 43 | 12 | 0.33 | 7 |
| "B" 318+20.00 TO 320+50.00 | Lt | 2 | 230 | 12 | 0.33 | 34 |
| "B" 326+50.00 TO 327+50.00 | Lt | 2 | 100 | 12 | 0.33 | 15 |
| "B" 327+70.00 TO 330+10.00 | Lt | 3 | 240 | 12 | 0.33 | 36 |
| "B" 365+10.00 TO 366+10.00 | Lt | 4 | 100 | 12 | 0.33 | 15 |
| "B" 368+25.00 TO 369+25.00 | Lt | 4 | 100 | 12 | 0.33 | 15 |
| "B" 501+30.00 TO 502+30.00 | Lt | 1 | 100 | 12 | 0.33 | 15 |
| "B" 502+68.00 TO 502+78.00 | Lt | 3 | 10 | 10 | 0.33 | 2 |
| TOTAL | | | | | | 154 |

## REMOVE DOUBLE THRIE BEAM BARRIER

| STATION | LOCATION | LENGTH |
|---|---|---|
| | | LF |
| "BB1" 220+29.96 TO 225+97.51 | Lt | 568 |
| "BB1" 227+79.95 TO 229+60.99 | Lt | 245 |
| "B" 331+86.25 TO 344+70.64 | Lt | 1285 |
| TOTAL | | 2098 |

## REMOVE SINGLE THRIE BEAM BARRIER

| STATION | LOCATION | LENGTH |
|---|---|---|
| | | LF |
| "BB1" 219+65.46 TO 220+29.96 | Lt | 130 |
| TOTAL | | 130 |

## RECONSTRUCT BART BARRIER

| STATION | LOCATION | LENGTH |
|---|---|---|
| | | LF |
| "B" 306+22.20 TO 331+86.25 | Lt | 2564 |
| TOTAL | | 2564 |

## ALTERNATIVE CRASH CUSHION SYSTEM

| STATION | LOCATION | QUANTITY |
|---|---|---|
| | | EA |
| "BB1" 229+87.79 | Rt | 1 |
| TOTAL | | 1 |

## REMOVE PORTLAND CEMENT CONCRETE PAVEMENT

| STATION | LOCATION | AREA |
|---|---|---|
| | | SQYD |
| "B" 214+27.73 TO 215+66.80 | Lt | 275 |
| "B" 235+19.92 TO 236+87.22 | Lt | 80 |
| "B" 258+88.64 TO 263+23.26 | Lt | 442 |
| TOTAL | | 797 |

## REMOVE PORTLAND CEMENT CONCRETE PAVEMENT (PRECAST CONCRETE PANEL)

| STATION | LOCATION | AREA |
|---|---|---|
| | | SQYD |
| "B" 195+10.00 TO 195+40.00 | Lt | 44 |
| "B" 203+76.69 TO 209+61.84 | Lt | 291 |
| "B" 220+04.00 TO 220+94.00 | Lt | 164 |
| "B" 224+65.00 TO 224+95.00 | Lt | 80 |
| "B" 236+87.18 TO 258+86.72 | Lt | 2877 |
| "B" 245+45.00 TO 245+90.00 | Lt | 106 |
| "B" 247+29.00 TO 247+89.00 | Lt | 122 |
| "B" 252+35.00 TO 252+80.00 | Lt | 58 |
| "B" 260+59.00 TO 261+34.00 | Lt | 341 |
| "B" 268+60.00 TO 269+60.00 | Lt | 188 |
| "B" 270+77.00 TO 271+77.00 | Lt | 319 |
| "B" 272+30.00 TO 272+75.00 | Lt | 162 |
| "B" 273+46.00 TO 274+21.00 | Lt | 226 |
| "B" 276+84.17 TO 277+15.00 | Lt | 59 |
| "B" 284+35.00 TO 284+50.00 | Lt | 21 |
| "B" 287+45.32 TO 288+05.32 | Lt | 126 |
| "B" 291+23.00 TO 291+53.00 | Lt | 41 |
| "B" 300+61.50 TO 300+76.49 | Lt | 21 |
| "B" 306+22.20 TO 306+46.53 | Lt | 95 |
| "B" 306+22.20 TO 308+05.00 | Lt | 488 |
| "B" 345 70.76 TO 347+75.00 | Lt | 541 |
| TOTAL | | ~~5341~~ 6370 |

3 REVISED PER ADDENDUM No. 3 DATED AUGUST 22, 2012

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

3 SUMMARY OF QUANTITIES

Q-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

CONSULTANT FUNCTIONAL SUPERVISOR: NATALINA V. BERNARDI

CALCULATED-DESIGNED BY: LUIS GARCIA

CHECKED BY: ARMANDO LOERA

REVISED BY: AL

DATE REVISED: 9/23/11

LAST REVISION 02-05-12

DATE PLOTTED => 21-AUG-2012

TIME PLOTTED => 13:00

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 04 | Ala | 580 | R14.6/R21.6 | 537 | 804 |

REGISTERED CIVIL ENGINEER 9/23/11 DATE

4-9-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER N.V. BERNARDI No. 45407 Exp. 9/30/12 CIVIL STATE OF CALIFORNIA

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BKF ENGINEERS
4670 WILLOW ROAD, SUITE 250
PLEASANTON, CA. 94588

ALAMEDA CTC
1333 BROADWAY SUITE 220
OAKLAND, CA. 94612

# MINOR CONCRETE

| STATION | LOCATION | TEXTURED PAVING | CHANNEL LINING | AB (CLASS 3) | MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION) SIDEWALK | CURB RAMP | MEDIAN PAVING | CURB (TYPE A1-6) | CURB (TYPE A2-6) | CURB (TYPE B2-4) | TEMPORARY CURB RAMP | HMA (TYPE A) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SQFT | CY | CY | CY | CY | CY | CY | CY | CY | CY | TON |
| "B" 189+16.64 TO 190+72.15 | Lt | 2423 | | 44.9 | | | | | | | | |
| "B" 209+61.84 TO "BB1" 210+78.47 | Lt | 1537 | | 28.5 | | | | | | | | |
| "BB1" 215+26.96 TO 215+67.27 | Rt | | | 1.6 | | | | | | 2.2 | | |
| "B" 215+26.70 TO 215+66.90 | Lt | 312 | | 7.4 | | | | | | 2.2 | | |
| "MAB2" 259+77.14 TO 260+02.93 | Lt | 426 | | 7.9 | | | | | | | | |
| "B" 264+64.44 TO 265+06.94 | Lt | 601 | | 11.1 | | | | | | | | |
| "B" 271+83.93 TO 272+80.83 | Lt | 1421 | | 26.3 | | | | | | | | |
| "B" 314+76.85 TO 315+51.25 | Lt | 1173 | | 21.7 | | | | | | | | |
| "B" 321+54.45 TO 321+74.57 | Lt | 257 | | 4.8 | | | | | | | | |
| "B" 326+97.04 TO 328+04.82 | Lt | 1458 | | 27.0 | | | | | | | | |
| "B" 355+88.14 TO 357+05.11 | Rt | 1790 | | 33.1 | | | | | | | | |
| "B" 359+55.00 TO 360+25.11 | Lt | 934 | | 17.3 | | | | | | | | |
| "B" 366+73.76 TO 367+64.04 | Lt | 1136 | | 21.0 | | | | | | | | |
| "B" 373+45.48 TO 374+51.13 | Lt | 1425 | | 26.4 | | | | | | | | |
| "B" 420+78.00 TO 421+28.18 | Lt | 663 | | 12.3 | | | | | | | | |
| "B" 430+98.99 TO 431+23.89 | Lt | 325 | | 6.0 | | | | | | | | |
| "B" 438+29.48 TO 439+25.75 | Lt | 1270 | | 23.5 | | | | | | | | |
| "B" 511+20.56 TO 512+81.94 | Lt | 3147 | | 58.3 | | | | | | | | |
| "B" 520+63.81 TO 521+39.74 | Lt | 1023 | | 18.9 | | | | | | | | |
| "B" 530+73.39 TO 531+79.04 | Lt | 1425 | | 26.4 | | | | | | | | |
| "BR" 51+85.31 TO 52+08.92 | Lt | | | 7.5 | 2.0 | | | | 2.8 | | 2.0 | 6.6 |
| "BR" 51+85.31 TO 52+08.92 | Rt | | | 7.5 | 2.0 | | | | 2.8 | | 2.0 | 6.6 |
| "BR" 51+90.15 TO 52+04.15 | Lt/Rt | | | 9.6 | | | 1.8 | 1.7 | | | | 8.2 |
| "BR" 52+30.84 TO 52+85.06 | Lt | | | 9.1 | 1.9 | 3.0 | | | 3.2 | | | 7.7 |
| "BR" 52+29.90 TO 52+85.06 | Rt | | | 9.3 | 2.1 | 3.0 | | | 3.2 | | | 8.4 |
| "BR" 52+27.37 TO 52+56.72 | Lt/Rt | | | 21.8 | | | 3.3 | 4.0 | | | | 32.3 |
| "BR" 52+56.72 TO 52+60.72 | Lt/Rt | | | | | | | | | | | |
| "BR" 55+15.09 TO 55+42.02 | Lt | | | 7.5 | | | | | 3.2 | | 3.8 | 18.7 |
| "BR" 55+22.55 TO 55+39.98 | Rt | | | 5.6 | 1.5 | | | | 2.1 | | 1.5 | 5.0 |
| TASSAJARA CREEK BRIDGE 33-0015 R/L | Lt/Rt | | 22 | | | | | | | | | |
| SUB-TOTAL | | 22746 | 22 | 502.3 | 9.5 | 6.0 | 5.1 | 5.7 | 17.3 | 4.4 | 9.3 | 93.5 |
| FROM DRAINAGE QUANTITIES | | | | | 143.7 | | | | | | | |
| TOTAL | | 22746 | 22 | 502.3 * | 201.0 | | | | | | | 93.5 * |

* QUANTITY INCLUDED IN THE ROADWAY QUANTITIES TABLE

## IMPORTED MATERIAL (SHOULDER BACKING)

| STATION | LOCATION | WEIGHT |
|---|---|---|
| | | TON |
| "BB2" 210+78.72 TO 213+75.00 | Rt | 18.2 |
| "MAB2" 264+64.49 TO 266+03.08 | Lt | 7.7 |
| "MAB2" 265+07.83 TO 266+03.08 | Rt | 5.2 |
| "MAB1" 269+50.00 TO 271+82.94 | Rt | 12.7 |
| "MHR3" 315+59.65 TO 315+84.41 | Rt | 1.4 |
| "MHR2" 322+48.01 TO 322+95.09 | Lt | 2.6 |
| "MHR2" 321+75.74 TO 322+95.09 | Rt | 10.1 |
| "MTR2" 367+50.00 TO 368+08.25 | Lt | 5.0 |
| "MTR2" 367+64.34 TO 368+08.25 | Rt | 2.4 |
| "MTR1" 372+50.00 TO 373+44.29 | Rt | 5.2 |
| "MER2" 421+29.11 TO 423+31.87 | Rt | 12.2 |
| "MER3" 431+25.49 TO 432+34.05 | Rt | 6.0 |
| "MER1" 432+81.45 TO 435+36.39 | Rt | 13.9 |
| "MAL1" 512+82.57 TO 513+50.00 | Rt | 4.1 |
| "MAL1" 518+67.66 TO 519+48.14 | Lt | 4.4 |
| TOTAL | | 111.1 |

## REMOVE BASE AND SURFACING

| STATION | LOCATION | REMOVE BASE AND SURFACING AREA (N) | DEPTH (N) | VOLUME |
|---|---|---|---|---|
| | | SQFT | Ft | CY |
| "MHN4" 187+25.24 TO 189+15.79 | Rt | 1371 | 3 | 152 |
| "BB2" 210+78.72 TO 214+89.59 | Rt | 4227 | 2.5 | 391 |
| "MAB3" 258+88.89 TO 261+41.03 | Lt | 1811 | 2.4 | 161 |
| "MAB3" 260+98.91 TO 261+60.63 | Rt | 447 | 2.4 | 40 |
| "MAB2" 265+03.54 TO 265+82.68 | Rt | 329 | 2.5 | 30 |
| "MAB1" 269+50.00 TO 271+84.32 | Rt | 949 | 2.2 | 77 |
| "MHR3" 315+59.06 TO 315+92.96 | Rt | 51 | 2.5 | 5 |
| "MHR3" 314+65.30 TO 315+68.11 | Lt | 740 | 2.5 | 69 |
| "MER2" 420+43.37 TO 421+20.22 | Lt | 282 | 3 | 31 |
| "MER2" 421+28.73 TO 422+95.03 | Rt | 119 | 2.2 | 10 |
| "MER1" 433+01.22 TO 438+29.65 | Rt | 2793 | 2.9 | 300 |
| "MAL1" 512+82.17 TO 515+44.59 | Rt | 1486 | 3.5 | 193 |
| TOTAL | | | | 1459 |

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

## TEMPORARY FENCE (WILDLIFE EXCLUSION)

| 3 STATION | LOCATION | LENGTH | | |
|---|---|---|---|---|
| Var | | LF | | |
| "B" ~~483+61.32 TO 493+61.44~~ | Lt | ~~1010~~ | 22600 | 3 |
| TOTAL | | ~~1010~~ | 22600 | |

## RECONSTRUCT CONCRETE BARRIER (TYPE 27A MODIFIED)

| STATION | LOCATION | LENGTH |
|---|---|---|
| | | LF |
| "B" 253+20.00 | Lt | 4.5 |
| "MAB3" 255+00.45 | Lt | 4.5 |
| TOTAL | | 9 |

3 REVISED PER ADDENDUM No. 3 DATED AUGUST 22, 2012

## SUMMARY OF QUANTITIES
## Q-8

| REVISED BY | DATE REVISED |
|---|---|
| AL | 9/23/11 |

ARMANDO LOERA — LUIS GARCIA
CALCULATED-DESIGNED BY — CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR — NATALINA V. BERNARDI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 02-05-12 | DATE PLOTTED => 21-AUG-2012 | TIME PLOTTED => 10:55