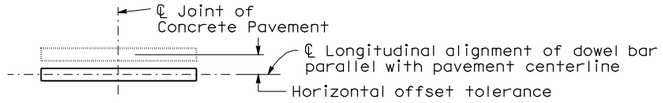
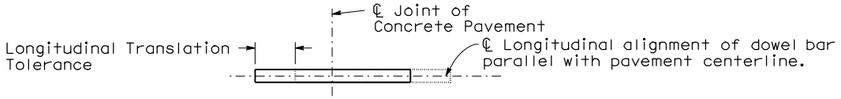


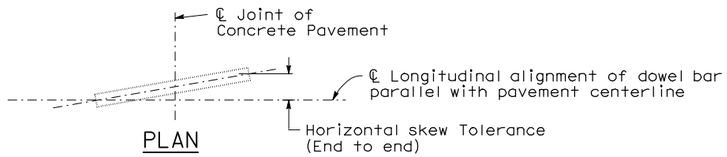

PLAN

## HORIZONTAL OFFSET TOLERANCE



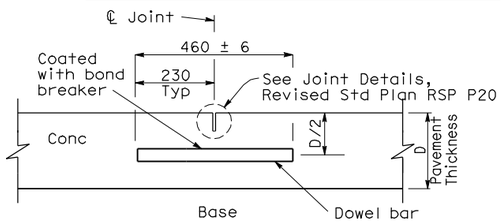

PLAN

## LONGITUDINAL TRANSLATION TOLERANCE

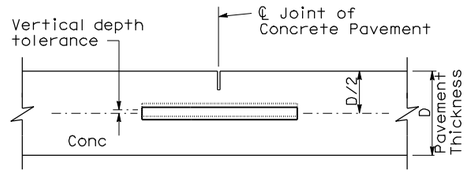



PLAN

## HORIZONTAL SKEW TOLERANCE

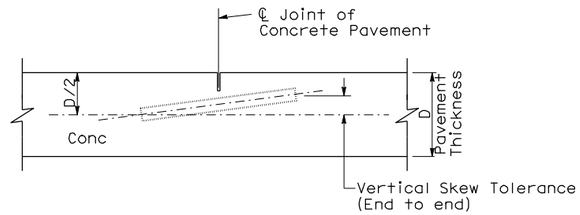



## TRANSVERSE WEAKENED PLANE JOINT



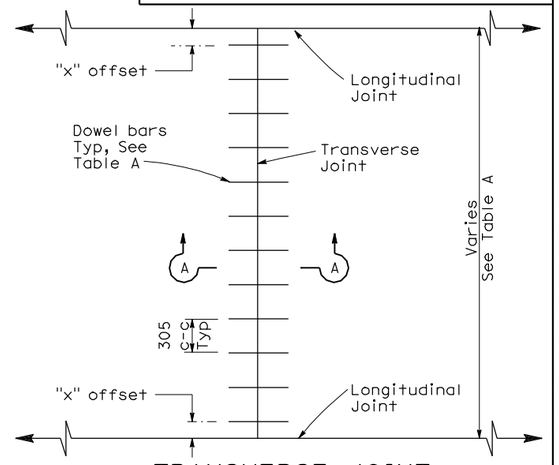

ELEVATION

## VERTICAL DEPTH TOLERANCE

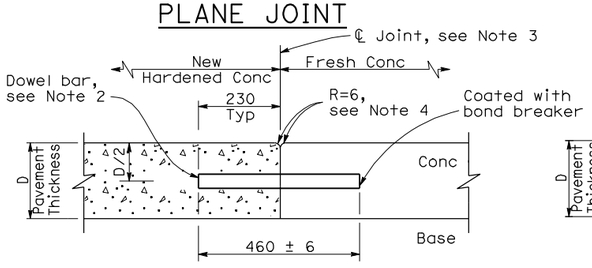



ELEVATION

## VERTICAL SKEW TOLERANCE

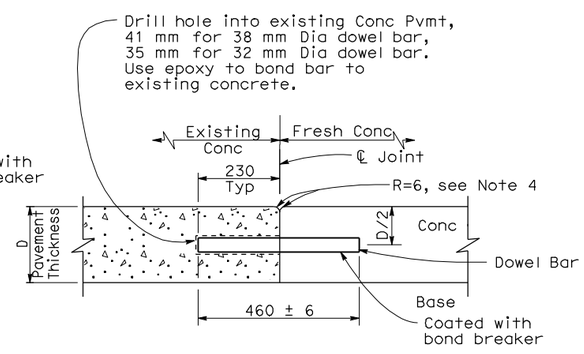



## TRANSVERSE JOINT DOWEL BAR LAYOUT



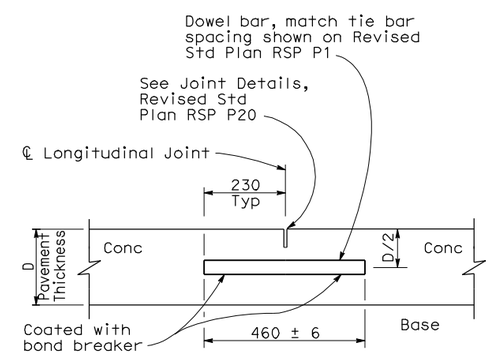

## TRANSVERSE CONTACT JOINT DETAIL

SECTION A-A



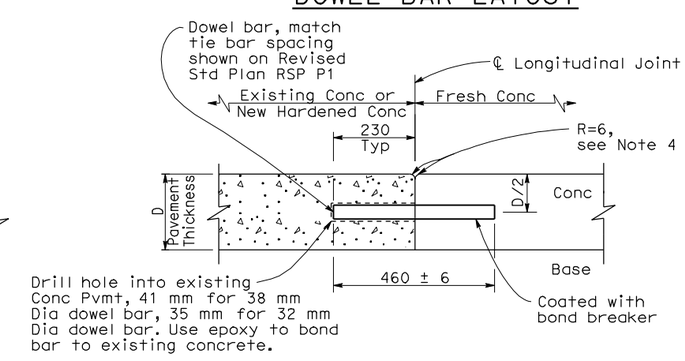

## TRANSVERSE CONTACT JOINT FOR EXISTING CONCRETE PAVEMENT

(Drill and bond locations)




## LONGITUDINAL WEAKENED PLANE JOINT WITH DOWEL BARS

(See Revised Std Plan RSP P18)




## LONGITUDINAL CONTACT JOINT WITH DOWEL BARS

(See Revised Std Plan RSP P18)

TABLE A

| Dowel Bar Transverse Spacing Table | | |
|---|---|---|
| Width between Longitudinal Joints (m) | Offset Dimension "x" (mm) | Number of Dowels between Longitudinal Joints |
| 4.27 | 152 | 14 |
| 3.66 | 152 | 12 |
| 3.60 | 125 | 12 |
| 3.05 | 152 | 10 |
| 3.00 | 125 | 10 |
| 2.44 | 152 | 8 |
| 2.4 | 130 | 8 |
| 1.52 | 150 | 5 |
| 1.50 | 140 | 5 |

See Note 3

NOTES

1. See Revised Standard Plan RSP P1 for typical dowel placement and locations.
2. 38 mm Dia smooth dowels are to be used with a pavement thickness, D, equal to or greater than 215 mm. For pavement thickness, D, less than 215 mm, use 32 mm Dia smooth dowels.
3. For widths not shown, see Project Plans.
4. If fresh concrete pavement is placed adjacent to existing concrete pavement, the top corner of the existing concrete pavement does not need to be rounded to the 6 mm radius, as shown.

To accompany plans dated _____

Caltrans Metric

| DIST | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| | | | | | |

REGISTERED CIVIL ENGINEER

November 17, 2006
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER William K. Farnbach No. 49042 Exp. 09-30-08 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 get to the Caltrans web site, go to: http://www.dot.ca.gov*

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

# CONCRETE PAVEMENT-DOWEL BAR DETAILS

NO SCALE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

RSP P10 DATED NOVEMBER 17, 2006 SUPERSEDES STANDARD PLAN P10 DATED JULY 1, 2004-PAGE 125 OF THE STANDARD PLANS BOOK DATED JULY 2004.

**REVISED STANDARD PLAN RSP P10**

**2004 REVISED Std PLAN RSP P10**

10-25-06