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

Caltrans Metric

REGISTERED CIVIL ENGINEER

July 1, 2004
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER William K. Fornbach No. 49042 Exp. 09-30-04 CIVIL STATE OF CALIFORNIA

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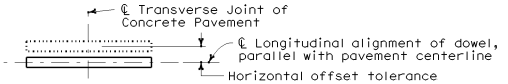
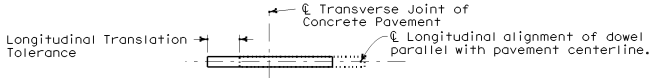


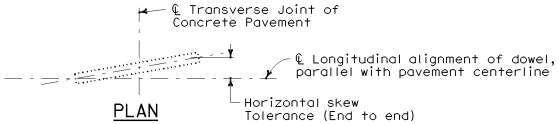
PLAN

HORIZONTAL OFFSET TOLERANCE



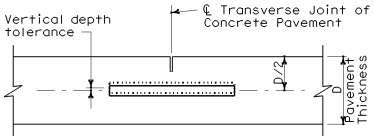
PLAN

LONGITUDINAL TRANSLATION TOLERANCE



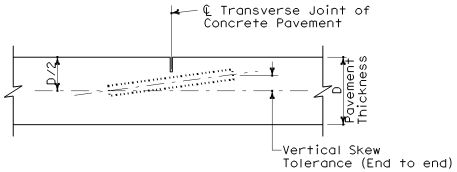
PLAN

HORIZONTAL SKEW TOLERANCE



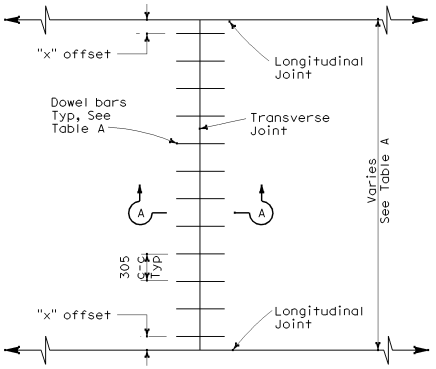
ELEVATION

VERTICAL DEPTH TOLERANCE

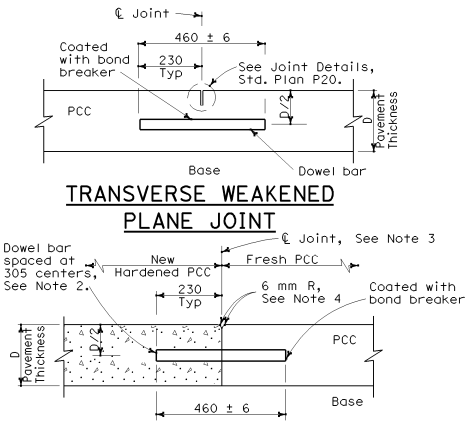


ELEVATION

VERTICAL SKEW TOLERANCE



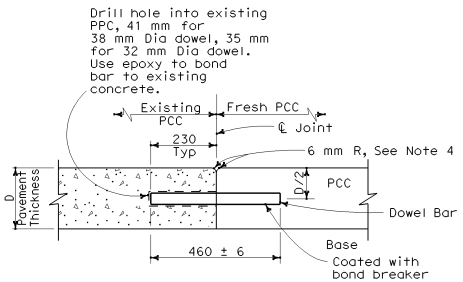
TRANSVERSE JOINT DOWEL BAR LAYOUT



TRANSVERSE WEAKENED PLANE JOINT

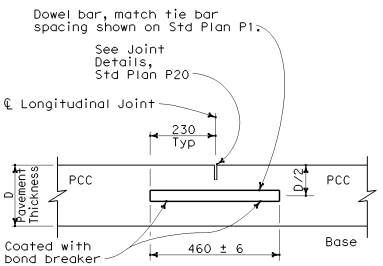
TRANSVERSE CONTACT JOINT DETAIL

SECTION A-A



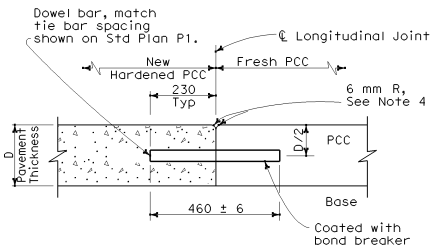
TRANSVERSE/LONGITUDINAL CONTACT JOINT FOR EXISTING PCC

(Drill and bond locations)



LONGITUDINAL WEAKENED PLANE JOINT WITH DOWEL BARS

(See Std Plan P18)



LONGITUDINAL CONTACT JOINT WITH DOWEL BARS

(See Std Plan 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 Standard Plan 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 PCC is placed adjacent to existing PCC, the top corner of the new hardened PCC does not need to be rounded to the 6 mm radius, as shown.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT-DOWEL BAR DETAILS

NO SCALE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

P10

06-18-04