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

Caltrans Metric

REGISTERED CIVIL ENGINEER

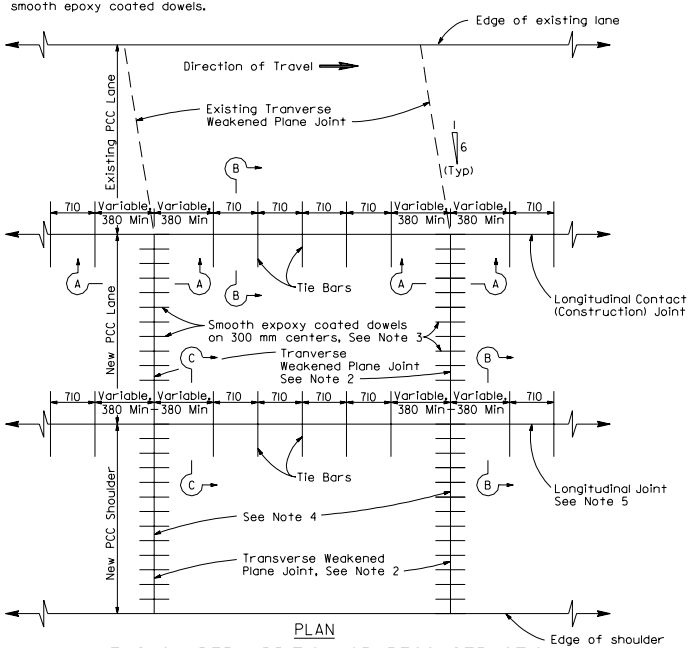
July 1, 1999
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Kevin M. Hewitt No. C36577 Exp. 6-30-00 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.

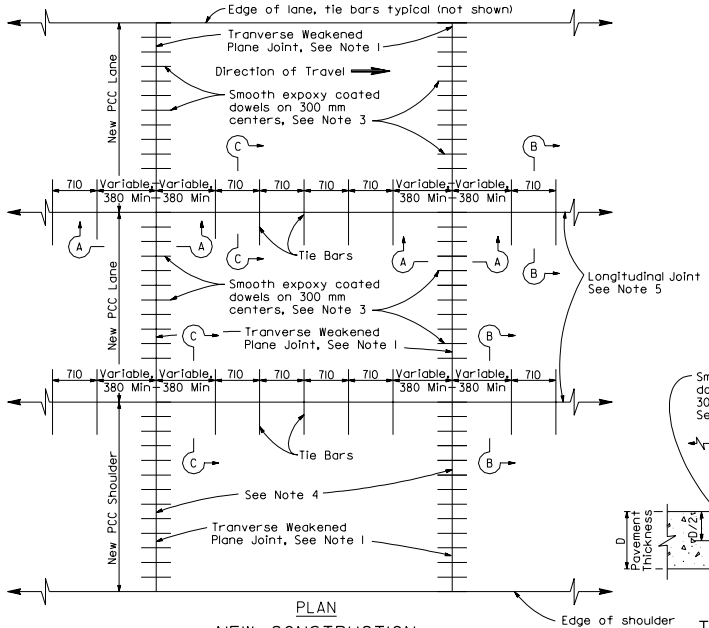
NOTES

1. Transverse weakened plane joints shall be constructed at right angles to the centerline and edge of pavement lanes in new portland cement concrete pavement and spaced at successive repeated intervals of 3.6 m, 4.0 m, 4.3 m and 4.6 m, except for the first joint at pavement end anchors and structure approaches.
2. New transverse weakened plane joints shall match the spacing of the adjacent existing transverse weakened plane joints, as shown, and shall be constructed at right angles to the centerline and edge of pavement lanes. Where the existing transverse weakened plane joint spacing exceeds 4.6 m, an additional transverse weakened plane joint shall be constructed equal distance between the existing joints.
3. 38 mm ø smooth epoxy coated dowels are to be used with a pavement thickness, D, equal to or greater than 215 mm. For a pavement thickness, D, less than 215 mm, use 32 mm ø smooth epoxy coated dowels.
4. Dowels shall be placed in the transverse weakened plane joints in portland cement concrete shoulders unless otherwise specified in the Special Provisions.
5. Construct longitudinal weakened plane joints as shown in Section C-C when more than one lane or shoulder widths are placed at one time. If constructing one lane at a time, use longitudinal contact (construction) joint, as shown in Section B-B.
6. Transverse contact (construction) joints shall be installed at the end of all paving operations, and elsewhere if ordered by the Engineer. The location of the joint shall coincide with the successive interval spacing of transverse weakened plane joints when terminating paving operations.
7. If fresh portland cement concrete is placed adjacent to existing portland cement concrete, the top corner of the existing portland cement concrete does not need to be rounded to the 6 mm radius, as shown.



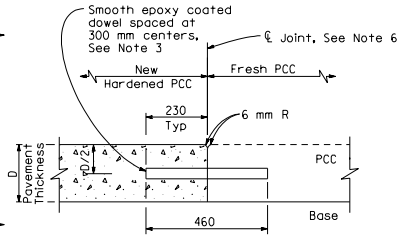
PLAN

LANE/SHOULDER ADDITION OR RECONSTRUCTION

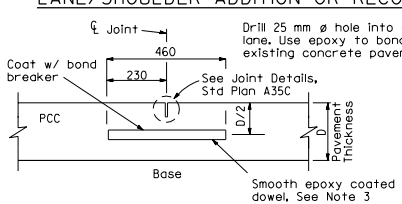


PLAN

NEW CONSTRUCTION

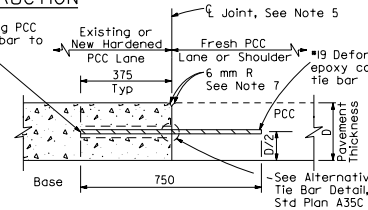


TRANSVERSE CONTACT (CONSTRUCTION) JOINT DETAIL



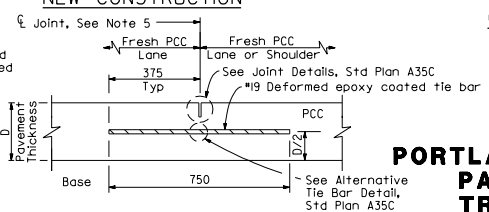
SECTION A-A, DOWEL DETAIL

TRANSVERSE WEAKENED PLANE JOINT



SECTION B-B, TIE BAR DETAIL

LONGITUDINAL CONTACT (CONSTRUCTION) JOINT



SECTION C-C, TIE BAR DETAIL

LONGITUDINAL WEAKENED PLANE JOINT

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PORTLAND CEMENT CONCRETE PAVEMENT (DOWELED TRANSVERSE JOINTS)

NO SCALE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

A35B

1999 STD. PLAN A35B