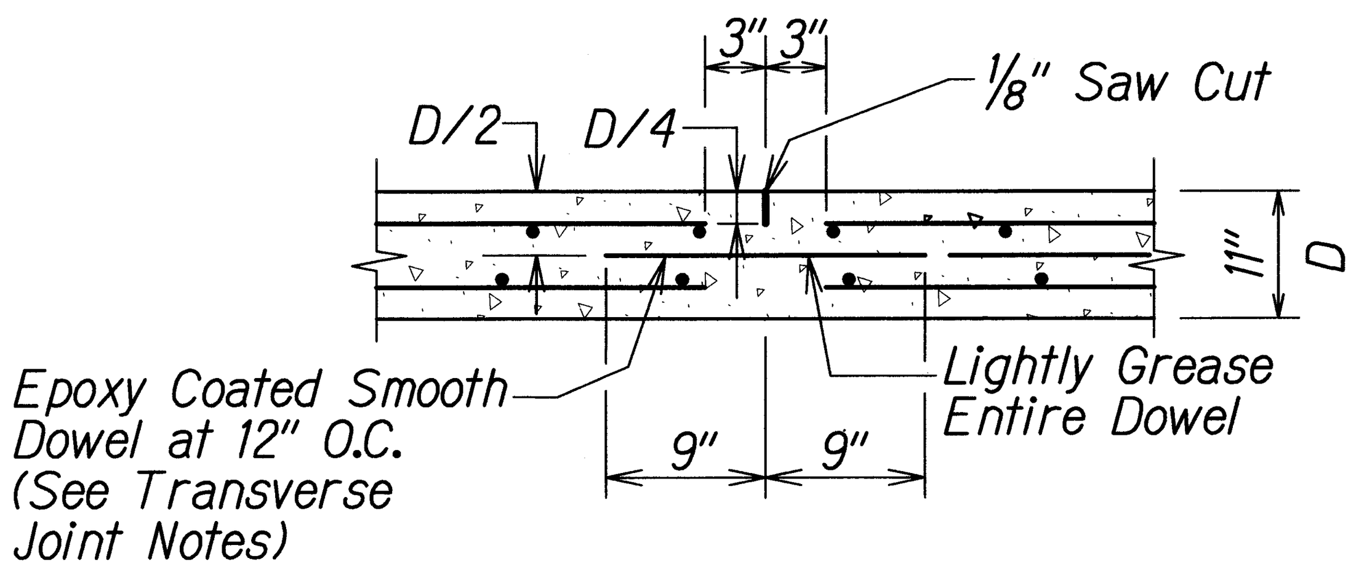
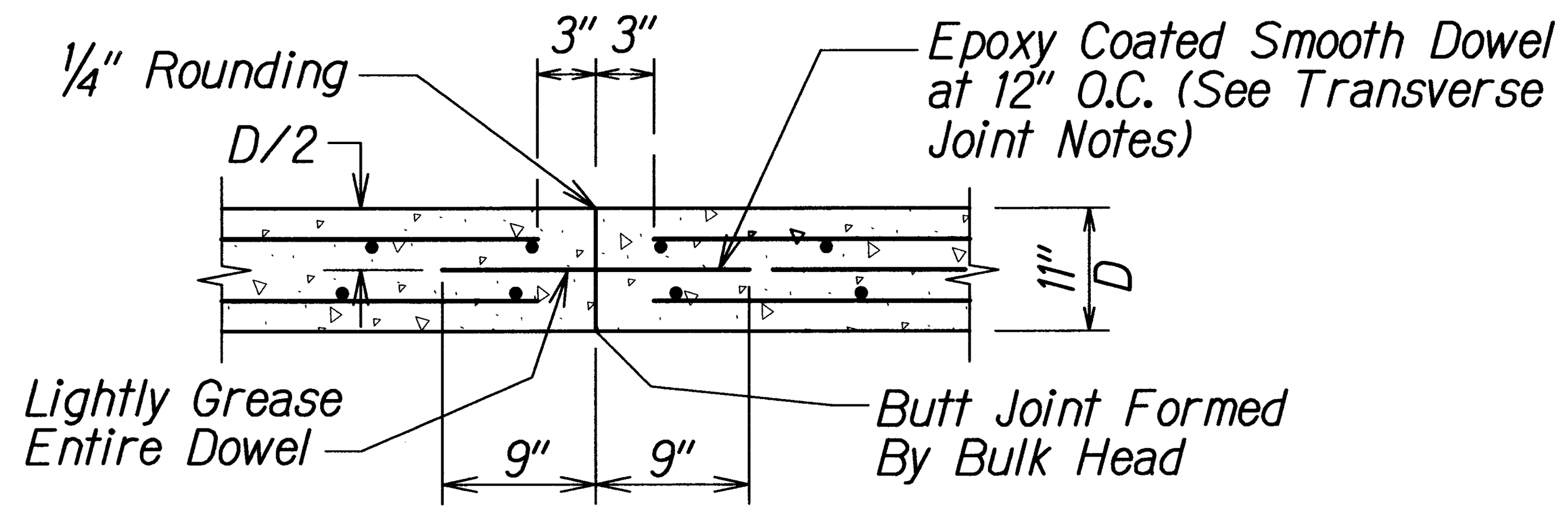
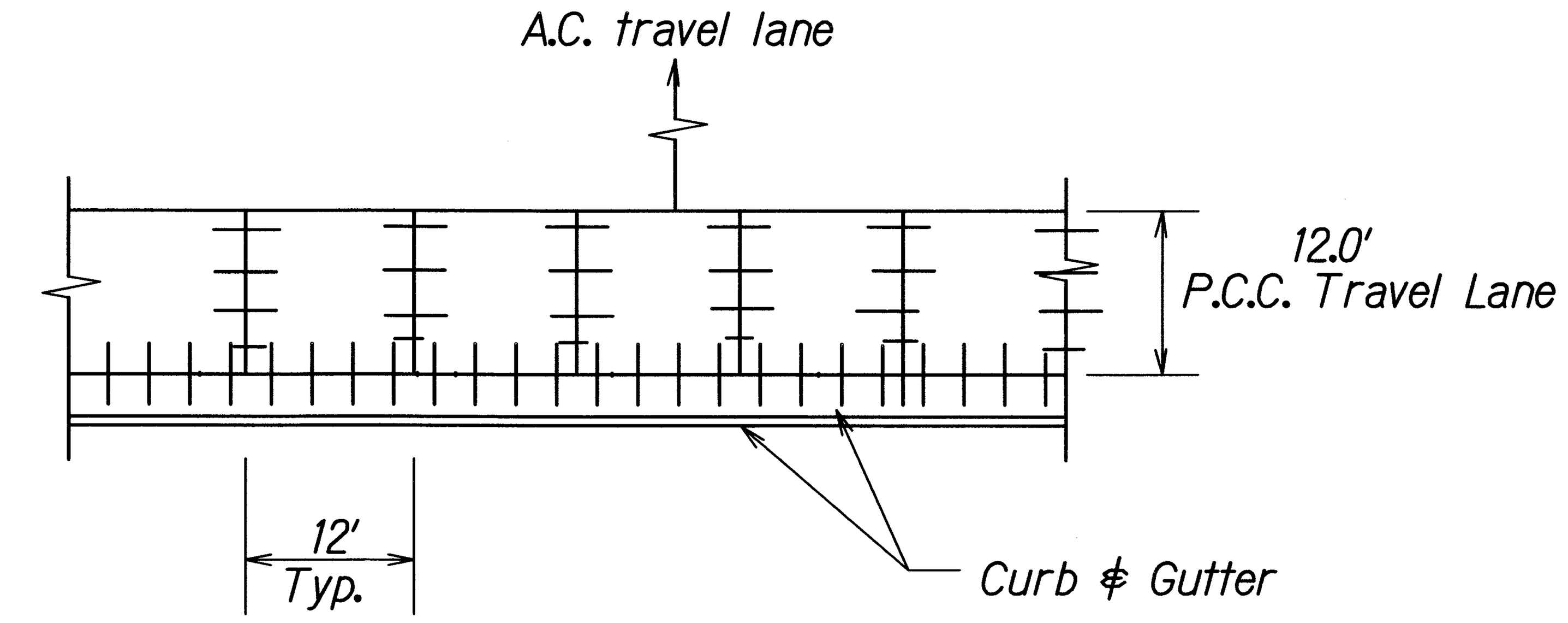
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-092-1(27)	2009	18	302



TRANSVERSE CONTRACTION JOINT DETAIL
Not to Scale



TRANSVERSE CONSTRUCTION JOINT DETAIL (CONTACT JOINT)
Not to Scale



TYPICAL JOINT LOCATION AND LAYOUT PLAN FOR CONSTANT P.C.C. PAVEMENT (FOR ROADWAY)
Not to Scale

Transverse Joint Notes:

1. Epoxy Coated Dowels shall conform to AASHTO M 284/M 284M Grade 60. For Pavements with > or = 10", use 1½" ø X 1'-6" Long. Dowels.
2. Locate Transverse Construction Joints at the nearest planned Transverse Joint. Joint shall be perpendicular to paving lane. For P.C.C. Bus Pad pavement length > 70', place a Construction or Contraction Joint at mid-length of pavement.
3. It is critical that dowels be positioned in place parallel to the pavement surface and paving lane direction to avoid future cracks in the P.C.C. pavement. The ends of the dowels shall not deviate more than 0.01' from the parallel in 9" length.
4. The Contractor shall not damage the epoxy coating on the dowel in any way during shipment, handling or placement. Damaged epoxy coated dowels or rebar shall be replaced at no cost to the State.

NOTES:

1. The dimensions shown are for a 12 foot wide travel way lane width. For other lane widths adjust the transverse joint spacing to obtain a length to width ratio of not greater than 1.25 for the travel way lane slabs. (i.e. 12' wide lane, joint spacing 15' max.)
2. Space transverse joint at successive intervals as shown on the plans.
3. For travel way lanes, reinforce odd shaped slabs and slabs with mismatched joints. Odd shaped slabs are slabs with length to width ratios greater than 1.25 and other nonsquare shaped slabs. Triangular shapes are not allowed. Reinforce odd-shaped slabs with 0.6% steel or equivalent with structural fibers.
4. For the shoulder, reinforcing is not required for slabs that exceed the length to width ratio of 1.25. Triangular shapes are not allowed.
5. Locate transverse construction joints at a minimum distance of ten (10) feet and a maximum of fifteen (15) feet from the nearest planned construction joint.
6. Provide shop drawings for joint layout where obstructions such as manholes are encountered, and at intersections with other streets.
7. For other Joint Requirements, See Section 411 of the Special Provisions and/or Standard Specifications
8. Longitudinal joints only allowed at edges of travel lanes (centerline of lane markings)
9. Provide smooth dowel clearance at longitudinal joints, and deformed dowel (rebar) clearance at transverse joints. (1'-6" Min. and 2'-0" Max. Typ.)

ORIGINAL PLAN	SURVEY PLOTTED BY / DRAWN BY / TRACED BY / DESIGNED BY / QUANTITIES BY / CHECKED BY	DATE
NOTE BOOK d85 6ambd6a05 N-		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

P.C.C. PAVEMENT JOINT DETAILS & LAYOUT

NIMITZ HIGHWAY AND
ALA MOANA BOULEVARD RESURFACING
AND HIGHWAY LIGHTING REPLACEMENT
Fort Street to Kalakaua Avenue
Federal Aid Project No. NH-092-1(27)

Scale: Not to Scale   Date: March 2008

SHEET No. 1 OF 1 SHEETS