METAL OR PLASTIC CAPS FOR DOWEL BARS

TRANVERSE EXPANSION JOINT

TRANVERSE CONTRACTION JOINT, VIBRO CAST METHOD

TRANVERSE CONTRACTION JOINT, SAWED METHOD

DOWEL BAR LAYOUT

CONCRETE PAVEMENT JOINTS

LONGITUDINAL JOINTS

TRANSVERSE JOINTS ARE TO BE SPACED AT A MAXIMUM OF 95. DOWELS ARE REQUIRED AT ALL TRANSVERSE JOINTS UNLESS OTHERWISE NOTED IN PLANS.

DOCKAGE LENGTH (IN) 10

Pavement Thickness (in) 2

Diameter

3/8" 5/8" 11/32" 3/16" 5/32")

Note: For joint end details see Sheet E.

Note: Sidewalk poured simultaneously. Tie bars may be inserted in the plastic concrete by means approved by the engineer.

LONGITUDINAL LANE-TIE JOINT

LONGITUDINAL JOINTS

Note: For joint end details see Sheet E.
STEEL HOOK BOLT ASSEMBLY

ALTERNATE KEYWAY AND HOOK BOLT

ANCHOR BOLTS shall be Grade C in accordance with ASTM A 325.
Threaded anchors shall develop the full strength of the bolt and meet the material and thread requirements of ASTM A 563.

NOTE: After the concrete has set to the extent that the keyway will retain its shape, the two bolt end
earing inserts shall be removed. The remaining portion of the bolt and anchor shall be handled
immediately prior to placing of concrete in the adjacent area.

STEEL HOOK BOLT ASSEMBLY

CONTRACTION ASSEMBLY

EXPANSION ASSEMBLY

KEYED JOINT

JOINT LAYOUT AT THRU INTERSECTION

JOINT LAYOUT AT "T" INTERSECTIONS

NOTE:
1. Longitudinal joints will not be required for single lane permanent or road in width.
   For entrance and exit ramp joint details, see Sheet 4 of 4.
2. Arrangement of longitudinal joints are to be as directed by the Engineer.
3. All transverse, meter joints and other permanent joint areas must be back-filled with
   the preferred expansion joint material.

J O I N T  A R R A N G E M E N T

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT JOINTS

Proprietary contraction and expansion assemblies may be used.
Products shall be in accordance with section C of the Product Evaluation Procedure.
2-THRU LANES WITH SINGLE LANE ENTRANCE RAMP

ENTRANCE RAMP WITH ADDED LANE

2-THRU LANES WITH SINGLE LANE EXIT RAMP

3-THRU LANES WITH AUXILIARY LANE AND 2-LANE EXIT RAMP

JOINT LAYOUT AT ENTRANCE AND EXIT RAMP TERMINALS

Notes: On asphalt lane ramps, longitudinal joint to be sawcutted along centerline of ramp.