CONCRETE PAVEMENT JOINT DETAILS

**Details of Longitudinal Joints**

**Expansion Joint**
- To be used at the end of runs or on the new through use of x 3 transverse and as far as engineer at the end of curves.

**Contraction Joint**
- Joint sealant filler shall be used. Contraction joints shall be placed at least twice as much as expansion.

**Transverse Construction Joint**
- Key type joint shall be used on all longitudinal construction joints when the adjacent lanes are not poured at the same time.

**NOTE:**
- NO 4 2'-6" TIE BARS @ 4'-0" CENTERS
- 1/4" RADIUS
- NO 4 ` 2'-6" TIE BARS @ 4'-0" CENTERS
- TO BE DRILLED AND GROUTED INTO EXISTING PAVEMENT

**CONTRACTOR MAY SUBSTITUTE OTHER DESIGNS FOR EXPANSION AND CONTRACTION JOINT SUPPORTS IN LIEU OF THE TYPE SHOWN BUT MUST SUBMIT SAMPLES腳SHOWN BY THE ENGINEER.**

**All joints shall be sealed with joint sealant filler hot poured type as per standard specifications.**

**The bars shall be deformed bars.**

**All bars shall satisfy the bars test requirements for structural grade billet steel in accordance with the specifications.**

**The contractor may use a machine for placing the announced. The bars shall be laid off the tie bar pins. If a deviation to the bar placement machine is non-direct, tie bar pins as shown will be used.**

13 1/2" TIE BAR PINS
NOTES:

THE CONTRACTOR MAY SUBSTITUTE OTHER DESIGNS FOR EXPANSION AND CONTRACTION JOINT SUPPORTS IN LIEU OF THE TYPE SHOWN WITH PRIOR WRITTEN APPROVAL BY THE ENGINEER.

Dowel bars shall be epoxy coated and a minimum of 18" in length.

Tie bars shall be deformed bars and all others shall be smooth.

For load transfer devices in lanes other than the 18" lanes shown, maintain the spacing of the 18" dowel bars at 1'-0" intervals.

The ends of the dowel basket wire shall not be less than 3" from the edges of the pavement or the longitudinal joint.

KEY TYPE LONGITUDINAL JOINTS AND TRANSVERSE CONSTRUCTION JOINTS SHALL BE EDGED WITH 1/4" RADIUS AT TIME OF CONCRETE PLACEMENT.

Expansion joints shall not be sealed.

T = Pavement Thickness