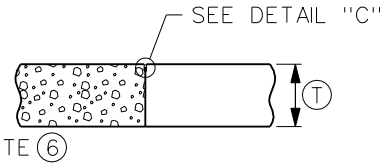
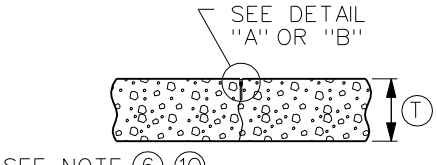
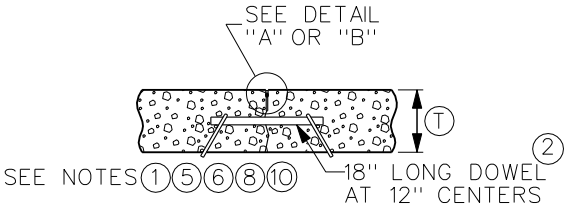


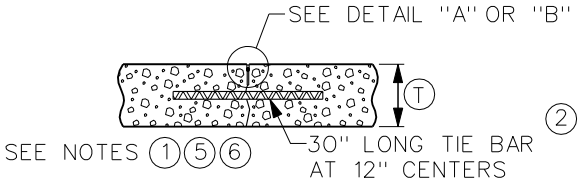
'B'
PLAIN JOINT
FOR ABUTTING PAVEMENT SLABS



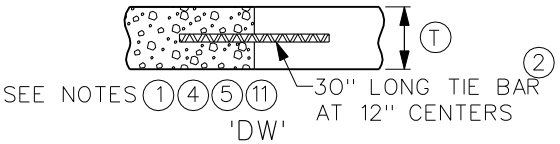
'C'
CONTRACTION JOINT



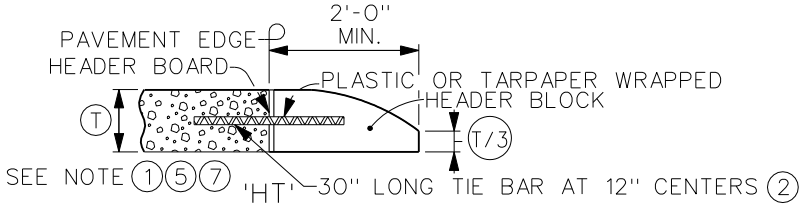
'CD'
DOWELED CONTRACTION JOINT



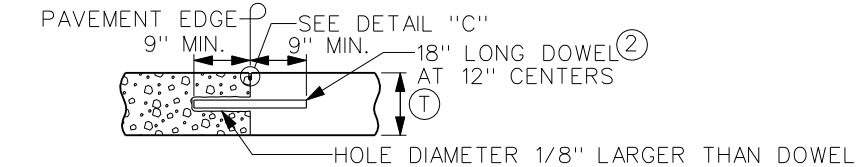
'CT'
TIED CONTRACTION JOINT



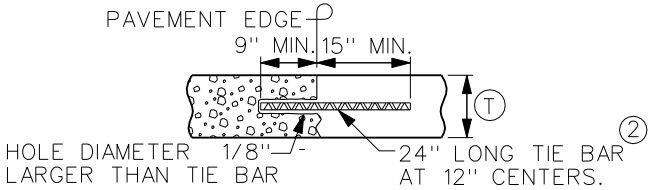
'DW'
DAY'S WORK JOINT (NON-WORKING)



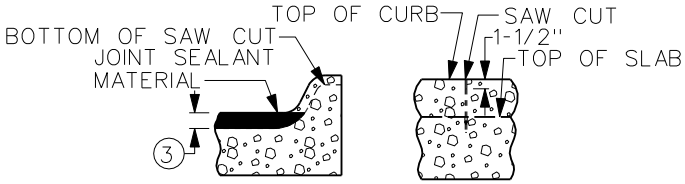
'HT'
HEADER JOINT
(END RIGID PAVEMENT)



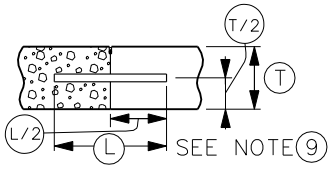
'RD'
ABUTTING PAVEMENT JOINT



'RT'
ABUTTING PAVEMENT JOINT
RIGID TIE



NOTE: MATCH 'CT', 'CD' OR 'C' JOINT IN PAVEMENT.
'C' JOINT IN CURB



TYPICAL BAR PLACEMENT
APPLIES TO ALL JOINTS UNLESS
OTHERWISE DETAILED.

SEE SHEET 2 FOR DETAILS AND GENERAL NOTES.

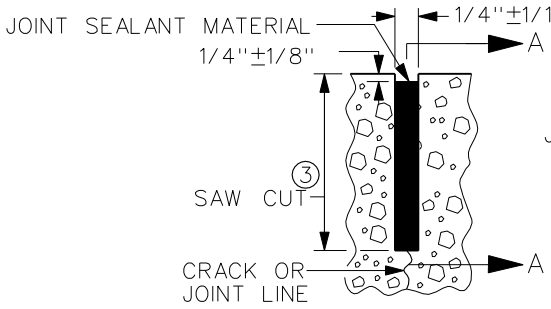
BAR SIZE TABLE			
T	< 8"	≥ 8" BUT < 10"	≥ 10"
DOWEL SIZE	3/4"	1-1/4"	1-1/2"
TIE BAR SIZE	#6	#10	#11

REV.	DATE	BY
3	10/17/06	

DATE: 01-01-98

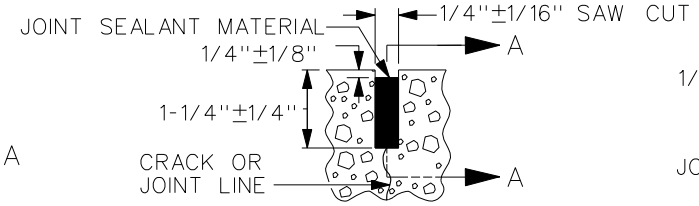
JOINTS (TRANSVERSE CONTRACTION)

FIGURE: 7010.4A



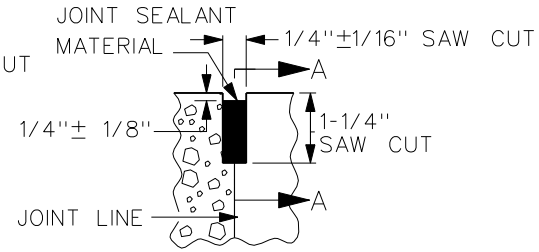
DETAIL "A"

(SAWCUT FORMED BY CONVENTIONAL CONCRETE SAWING EQUIPMENT)

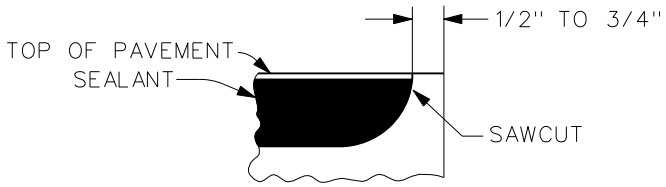


DETAIL "B"

(SAWCUT FORMED BY APPROVED EARLY CONCRETE SAWING EQUIPMENT)



DETAIL "C"



SECTION A-A
DETAIL AT EDGE OF PAVEMENT

NOTES:

1. PLACE DOWEL BARS OR TIE BARS IN ACCORDANCE WITH SECTION 7010, 3.04.
2. REFER TO BAR SIZE TABLE.
3. DEPTH OF SAWCUT SHALL BE T/3.
4. 'DW' JOINT SHALL BE LOCATED AT A MIDPANEL LOCATION BETWEEN FUTURE 'C' OR 'CD' JOINTS. IT SHALL BE NO CLOSER THAN 5 FT. TO A 'C' OR 'CD' JOINT.
5. BARS IN TRANSVERSE JOINTS SHALL BE PLACED SO THAT NO BAR WILL BE CLOSER THAN 6 IN.' TO ANY LONGITUDINAL JOINT (CENTERLINE OR LANELINE).
6. JOINTS SHALL BE SEALED ACCORDING TO SECTION 7010, 3.10.
7. EDGE WITH 1/4 IN. TOOL FOR LENGTH OF JOINT INDICATED IF FORMED; EDGING NOT REQUIRED WHEN CUT WITH DIAMOND BLADE SAW. REMOVE HEADER BLOCK AND BOARD WHEN SECOND SLAB IS POURED.
8. SEE IOWA DOT STANDARD ROAD PLAN RH-55 FOR DOWEL ASSEMBLY FABRICATION.
9. WHEN TYING INTO OLD PAVEMENT, Ⓣ REPRESENTS THE DEPTH OF SOUND PORTLAND CEMENT CONCRETE.
10. UNLESS OTHERWISE SPECIFIED, TRANSVERSE CONTRACTION JOINTS IN MAINLINE PAVEMENT SHALL BE 'CD' WHEN Ⓣ IS GREATER OR EQUAL TO 8 IN. 'C' WHEN Ⓣ IS LESS THAN 8 IN.
11. 'RT' JOINT MAY BE USED IN LIEU OF 'DW' JOINT AT THE END OF THE DAY'S WORK. ANY PAVEMENT DAMAGED DUE TO THE DRILLING SHALL BE REMOVED AT THE CONTRACTOR'S EXPENSE.

REV.	DATE	BY
4	10/17/06	

DATE: 01-01-98

JOINTS (TRANSVERSE CONTRACTION)

FIGURE: 7010.4A