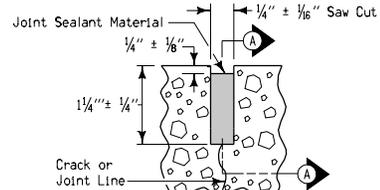
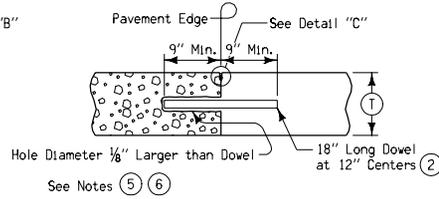
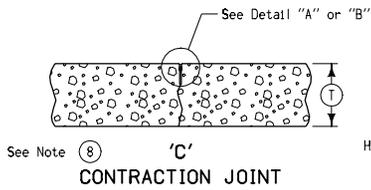
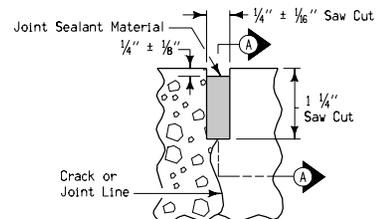
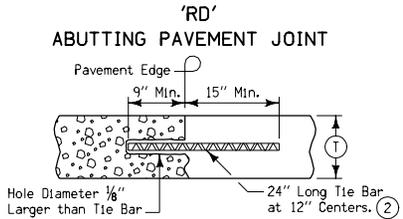
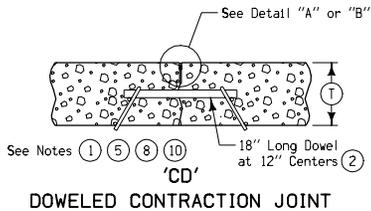


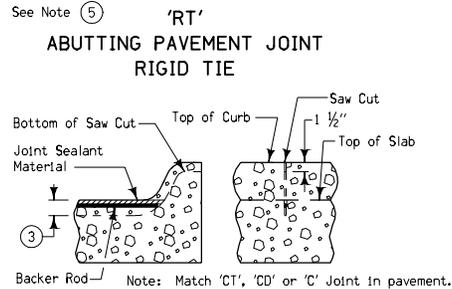
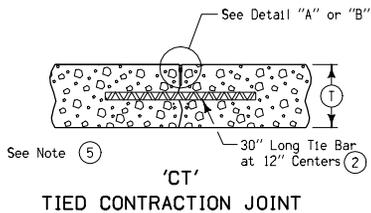
DETAIL "A"
(Sawcut formed by conventional concrete saving equipment)



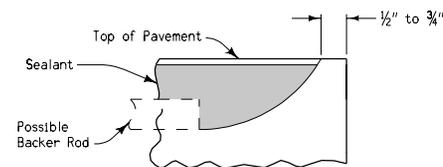
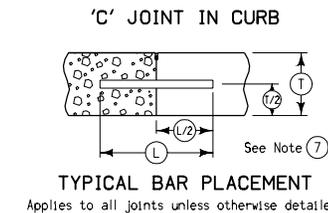
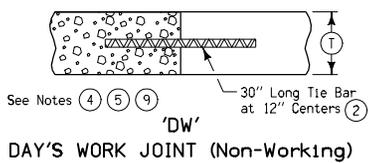
DETAIL "B"
(Sawcut formed by approved early concrete saving equipment)



DETAIL "C"



Note: Match 'CT', 'CD' or 'C' Joint in pavement.



- ① Free moving ends of dowel support assembly shall be placed alternately across joints.
- ② Refer to Bar Size Table.
- ③ Depth of sawcut shall be T/ 3, except 'C' joint shall be T/ 4.
- ④ 'DW' joint shall be located at a midpanel location between future 'C' or 'CD' joints. It shall be no closer than 5'-0" to a 'C' or 'CD' joint.
- ⑤ Bars in Transverse Joints shall be placed according to Standard Road Plan RH-58.
- ⑥ Edge with 1/ 4" 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.
- ⑦ When tying into old pavement, T represents the depth of sound Portland Cement Concrete.
- ⑧ Unless otherwise specified, transverse contraction joints in mainline pavement shall be 'CD' when T is greater or equal to 8'. 'C' when T is less than 8".
- ⑨ 'RT' joint may be used in lieu of 'DW' joint at the end of the days work. Any pavement damaged due to the drilling shall be removed at the contractor's expense.
- ⑩ See Standard Road Plan RH-55 and RH-57 for dowel assembly fabrication details.

BAR SIZE TABLE			
T	< 8"	≥ 8" but < 10"	≥ 10"
Dowel Diameter	3/4"	1 1/4"	1 1/2"
Tie Bar Size	#6	#10	#11

Iowa Department of Transportation
Highway Division

STANDARD ROAD PLAN RH-50

REVISION: Change Dowel size to Dowel Diameter in Table; add note 10.	REVISION NO. 14
<i>William J. Stein</i> APPROVED BY DESIGN METHODS ENGINEER	REVISION DATE 04-19-05

JOINTS (TRANSVERSE CONTRACTION)