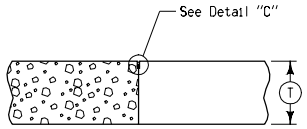
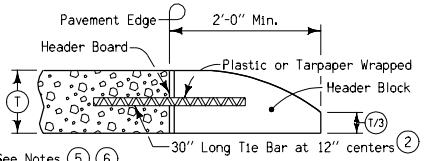


See Note 6

'B'

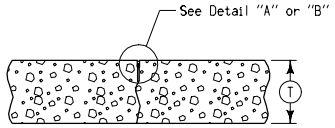
PLAIN JOINT
FOR ABUTTING PAVEMENT SLABS



See Notes 5 6

'HT'

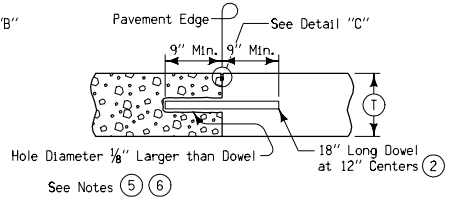
HEADER JOINT
(END RIGID PAVEMENT)



See Note 8

'C'

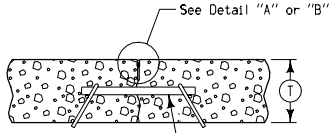
CONTRACTION JOINT



See Notes 5 6

'RD'

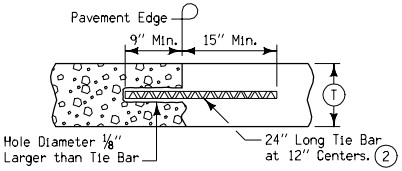
ABUTTING PAVEMENT JOINT



See Notes 1 5 8

'CD'

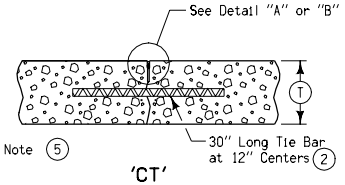
DOWELED CONTRACTION JOINT



See Note 5

'RT'

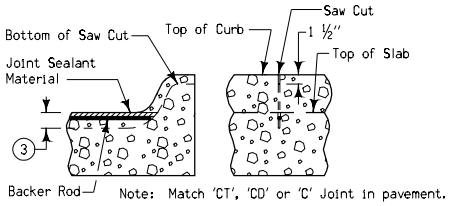
ABUTTING PAVEMENT JOINT
RIGID TIE



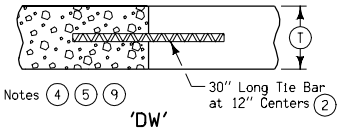
See Note 5

'CT'

TIED CONTRACTION JOINT



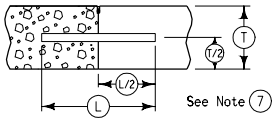
'C' JOINT IN CURB



See Notes 4 5 9

'DW'

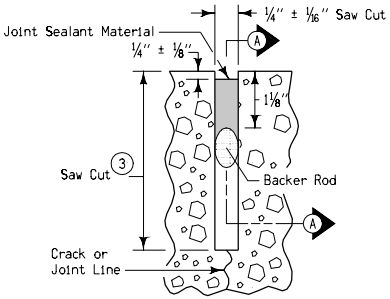
DAY'S WORK JOINT (Non-Working)



See Note 7

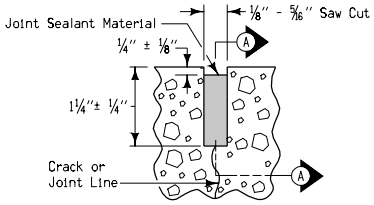
TYPICAL BAR PLACEMENT

Applies to all joints unless otherwise detailed.



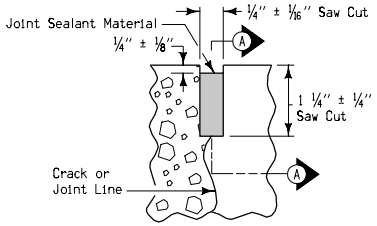
DETAIL "A"

(Sawcut formed by conventional concrete sawing equipment)

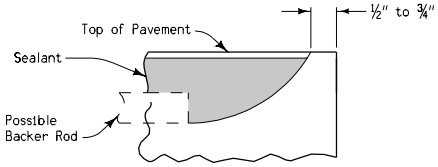


DETAIL "B"

(Sawcut formed by approved early concrete sawing equipment)



DETAIL "C"



SECTION A-A
DETAIL AT EDGE OF PAVEMENT

1. See Standard Road Plan RH-64 for dowel assembly fabrication details.
2. Refer to Bar Size Table.
3. Depth of sawcut shall be T/3 ± 1/4, except 'C' joint shall be T/4 ± 1/4.
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 shall be placed within the limits shown on Standard Road Plan RH-55.
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.

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

STANDARD ROAD PLAN

REVISION	
16	10-17-06

RH-50

SHEET 1 of 1

REVISIONS: Added tolerances for sawcut depths and increased range of sawcut widths on Detail "B".

Deanna Maifield
APPROVED BY DESIGN METHODS ENGINEER

JOINTS
(TRANSVERSE CONTRACTION)