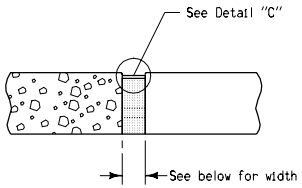
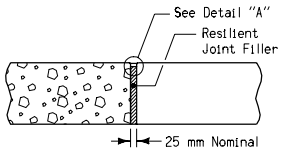
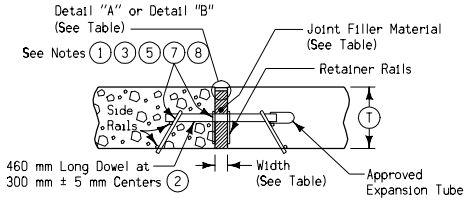


'CF' JOINT

'CF-1' Width of 50 mm.
'CF-2' Width of 65 mm.
'CF-3' Width of 75 mm.



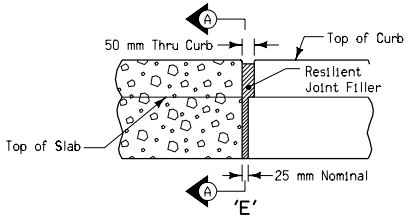
'E'
25 mm EXPANSION JOINT



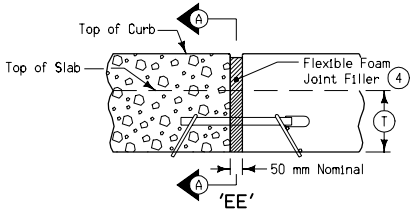
'ED', 'EE', 'EF'

DOWELED EXPANSION JOINT

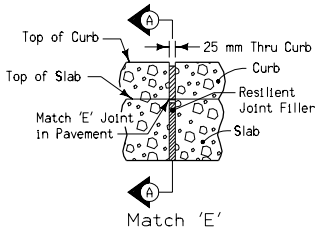
DOWELED EXPANSION JOINTS		
TYPE	WIDTH	FILLER MATERIAL 4
ED	25	Resilient (Detail "A")
EE	50	Flexible Foam (Detail "A")
EF	100	Flexible Foam (Detail "B")



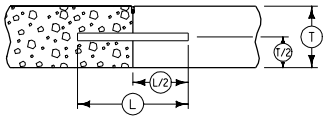
'E'
JOINT IN CURB
(View at Back of Curb)



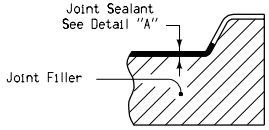
'EE'
JOINT IN CURB
(View at Back of Curb)



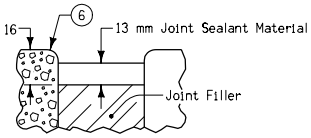
'ES'
JOINT IN CURB
(View at Back of Curb)



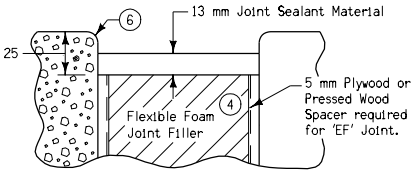
TYPICAL DOWEL PLACEMENT
Applies to all joints unless otherwise detailed.



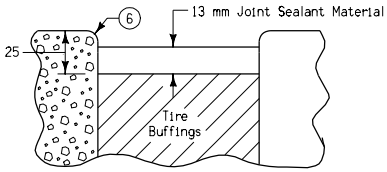
SECTION A-A



DETAIL "A"



DETAIL "B"



DETAIL "C"

BAR SIZE TABLE			
T	< 200 mm	≥ 200 mm but < 250 mm	≥ 250 mm
Dowel Diameter (minimum)	19	31	38

1. The free moving ends of dowel support assembly shall be placed alternately across joints.
2. Refer to Bar Size Table.
3. The free end of dowel bar shall be coated prior to placement of second slab to prevent bond with that portion of pavement.
4. Holes for Joint Material shall be predrilled or preformed for appropriate dowel size.
5. Bars in Transverse Joints shall be placed according to Standard Road Plan RH-58.
6. Edge with 5 millimeter tool for length of joint indicated if formed; edging not required when cut with diamond blade saw.
7. Weld side opposite Expansion Tube.
8. See Standard Road Plan RH-56 for dowel assembly fabrication details and expansion tube placement. At intake locations dowel bars may be cast-in-place.

All dimensions given in millimeters unless noted.

M

METRIC VERSION

Iowa Department of Transportation
Highway Division

STANDARD ROAD PLAN | **RH-52**

REVISION: Combine doweled joint drawings; create doweled joint table; revise note 8.

REVISION NO. 10

REVISION DATE 10-18-05

APPROVED BY DESIGN METHODS ENGINEER

JOINTS
(EXPANSION)