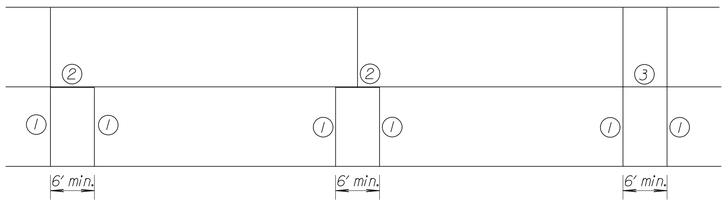
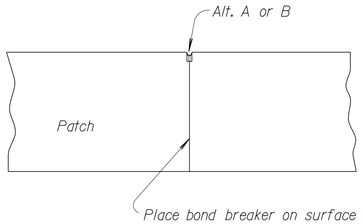
APPROVED		DETAILED	
DESIGNED		DETAIL CK.	
DESIGN CK.		TRACED	
QUANTITIES		TRACE CK.	
QUAN.CK.			

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS				



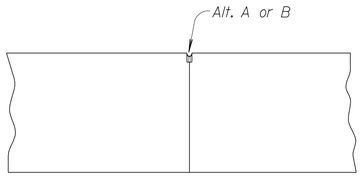
Plan

(1) - Butt type joint with smooth dowel bars, use bond breaker.
(2) - Butt type joint, use bond breaker.
(3) - Butt type joint (lanes poured separately).



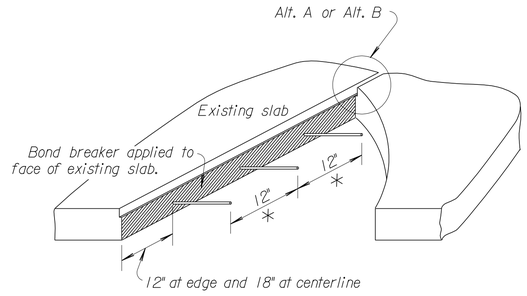
TYPE (2) - Centerline Joint

Note: When practical it should be a general practice to construct slabs the same length as those being repaired. A patch must be at least 6' in length. It can be as long as 30'. However, when the patch exceeds 15' the patch must contain welded wire mesh reinforcement. This mesh shall consist of W4 longitudinal wire at 6" spacing and W4 transverse wire at 12" spacing. Mesh shall be placed at mid-depth of slab and shall extend to within 6" of the longitudinal edge and to within 9" of the transverse edge of the patch. If a continuous repair exceeds 30' then the repair should be divided into as many 30' slabs as possible. If the remaining portion is between 1' and 5' combine it with the last 30' segment and divide it into equal parts. If the remaining portion is between 6' and 29' leave as is. The above does not prevent the contractor from using 15' slab lengths throughout.

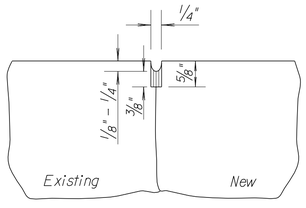


TYPE (3) - Centerline Joint
(Full Width Patch)
(Two Lanes Poured Separately)

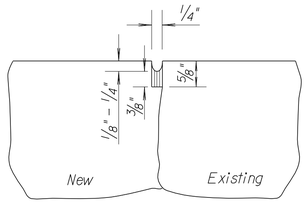
* _____ Smooth dowels per wheel path.
1½" x 18" See Type (1) - Detail.



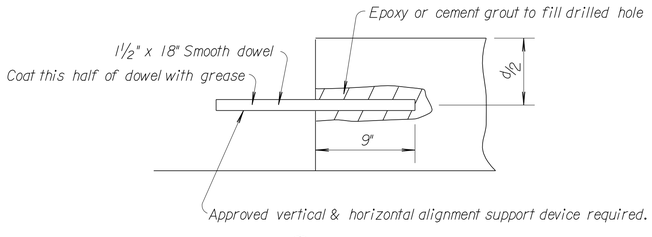
Type (1) - Contraction Joint



Alt. A - Sawed



Alt. B - Formed



Type (1) - Detail

PAVEMENT PATCHING SUMMARY				
Station to Station		Patch Size	Quantity (Sq. Yds.)	Comments

NO.	DATE	REVISIONS	BY	APP'D
4	8-14-01	Revised joint sealant detail	S.W.K.	J.O.B.
3	1-31-96	Revised Type 3 joint details	R.J.S.	J.O.B.
2	10-13-89	Revised joints, dowel size & note	R.J.S.	J.O.B.

KANSAS DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT PATCHING
SOUND CONCRETE
DOWELED JOINTED PAVEMENT

RD721B

FHWA APPROVAL	10-01-01	APP'D. James O. Brewer	
DESIGNED A.J.G.	DETAILED A.J.G.	QUANTITIES	TRACED B.N.B.
DESIGN CK.	DETAIL CK.	QUAN.CK.	TRACE CK. R.J.S.

SHEET NO.	TOTAL SHEETS
15	65

7450 W 130th St., Suite 400
Overland Park, KS 66213
(913) 491-9333
HNTB

CITY OF
WICHITA, KANSAS

NO.	DATE	REVISIONS	BY	APP'D
4				
3				
2				
1				

CONCRETE PAVEMENT PATCHING DETAILS

Plotted on: 25-OCT-2007 02:54 PM ModelsModel
By: mpotts Plot Scale: 20.000000x1.000000 Pen Tables\Kcow00\Envirov\44616 - Gyp Cr P_W Final\Library\v820.fullpen
Design Filename: F:\44616 - Gyp Cr P_W Final\CD\Detail\KDOT rd721b.dgn