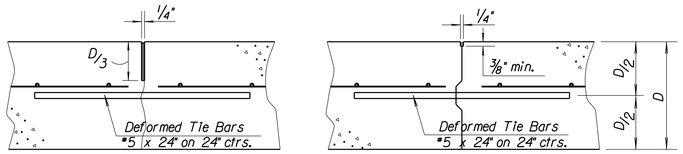
	BY	DATE
SURVEY:		
DESIGNED:	CITY OF McPHERSON	
DRAWN:	Richard Hayden	2/23/2010
CHECKED:		

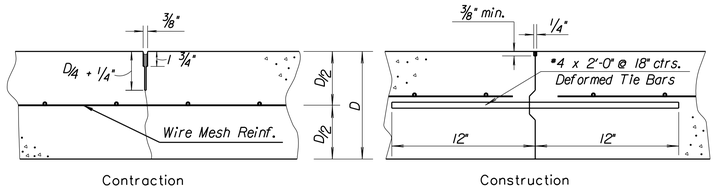


Tied Non-Keyed

Tied Keyed Construction

LONGITUDINAL JOINTS

Note: All sealant is 1/8" -1/4" below surface and is a minimum of 1/4" thick. A backer rod may be used to limit the amount of sealant needed to fill reservior.

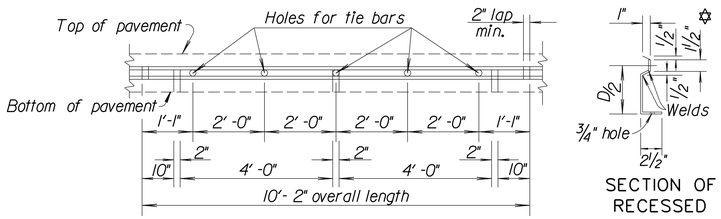


Contraction

Construction

Note: Contraction joints will be constructed at the planned location or as directed by the Engineer.
When necessary to interrupt continuous placement for a substantial length of time or at the end of a day's pour, the Contractor has the option of ending placement at a contraction joint or with a construction joint located a minimum of five (5) feet from a contraction joint. Either joint type may be constructed by placing a header at the end of the pour or by paving past the joint location, sawing the joint after the concrete has hardened, and drilling holes for the tie bars or dowels.

TRANSVERSE JOINTS

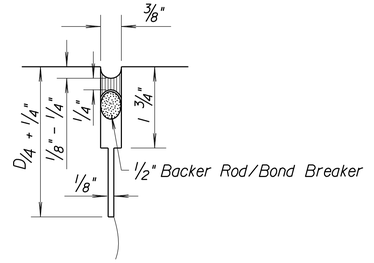


SECTION OF RECESSED FORM LEG

METAL STRIP FOR LONGITUDINAL CONSTRUCTION JOINT

To be used only against forms. Shall not extend through contraction joints.

✡ *Snap-in leg or other approved designs may be used in lieu of welded leg.*



The 1/8" saw cut (D/4 + 1/4" depth) shall be done initially; the 3/8" saw cut shall be accomplished in a separate operation after concrete has gained sufficient strength to avoid spalling as determined by the Engineer.

At longitudinal construction joints where the adjacent slabs are at different elevations the depth of saw cut for the sealant reservoir should be measured from the top of the lower slab. This is to ensure that sufficient sealant is used in the joint.

GENERAL NOTE

Deformed tie bars which require bending shall be billet steel reinforcing bars, Grade 40, and may be epoxy coated.

All joints on this project shall be sawed and filled with sealant.

Shape of all keyed joints shall be similar to section of recessed form leg as shown on this sheet.

All longitudinal joints shall be tied.

WELDED WIRE REINFORCEMENT AND DOWEL SIZE				
D (in.)	Transverse	Longitudinal	LBS./100 S.F.	Dowel
6"	W4 @ 6"	W4 @ 6"	63	5/8"
7"	W4 @ 6"	W4 @ 6"	63	3/4"
8"	W4 @ 6"	W5 @ 6"	66	1"
9"	W4.5 @ 6"	W5.5 @ 6"	73	1 1/8"
10"	W5 @ 6"	W6.5 @ 6"	84	1 1/4"
11"	W5.5 @ 6"	W7 @ 6"	91	1 3/8"
12"	W6 @ 6"	W7.5 @ 6"	98	1 1/2"

PAVEMENT DEPTH

D = 7"

Project Desc:	HANCOCK STREET 2012
Project Number:	CIP-0007
Design Files:	I:\Public Works\CIP-0007_HancockSt2012\E-16_PlanPreparation\dgn\PavingStds\JointDetails.dgn
Reference Files:	
Date Plotted:	4/13/2012
Plotted By:	RichardH
Pen Table:	OFFICE_CHECK_20120206.TBL

McPHERSON
CITY OF McPHERSON, KANSAS
PUBLIC WORKS DEPT.

REVIEWED BY	DATE	APP'D

DATE	REVISION	BY	APP'D

FINAL PLANS
APPROVED FOR CONSTRUCTION

HANCOCK STREET 2012
HARTUP ST TO PARK ST
MCPHERSON MIDDLE SCHOOL

CONCRETE PAVEMENT DETAILS
JOINT DETAILS
REINFORCEMENT & DOWEL SIZES

PROJECT NO: CIP-0007	FILE: JointDetails.dgn
WORK ORDER NO: E-16	PLOT BY: RichardH
CONSTR COMPL:	PLOT DATE: 4/13/2012
FIELD REVISIONS:	SHEET 19 OF 38