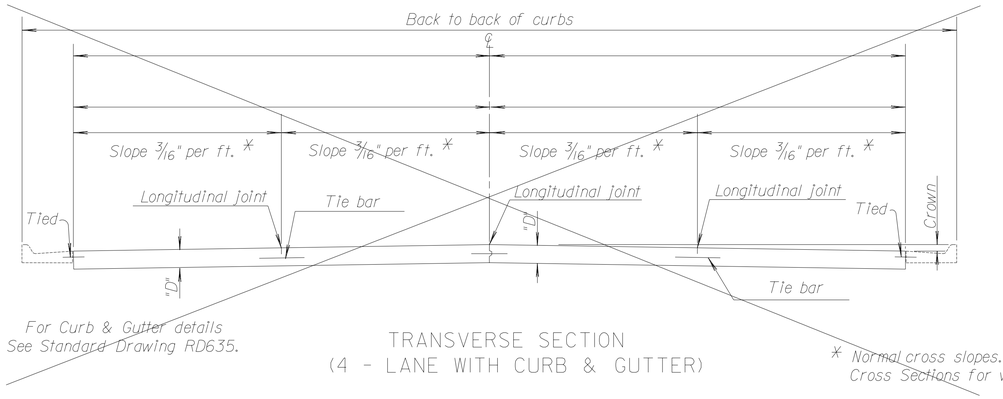
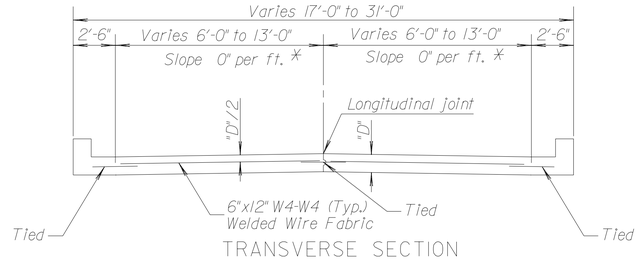
FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	468-82473	2007	10	46



For Curb & Gutter details
See Standard Drawing RD635.

TRANSVERSE SECTION
(4 - LANE WITH CURB & GUTTER)

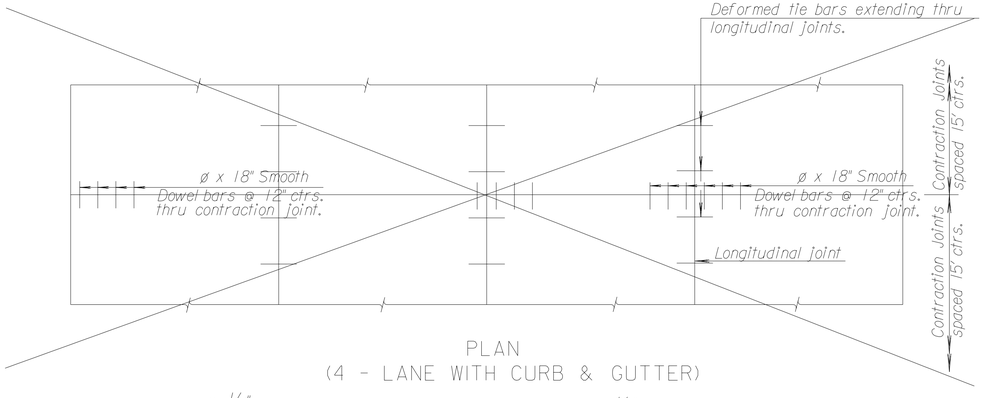
* Normal cross slopes. See Typical Section or Cross Sections for variations.



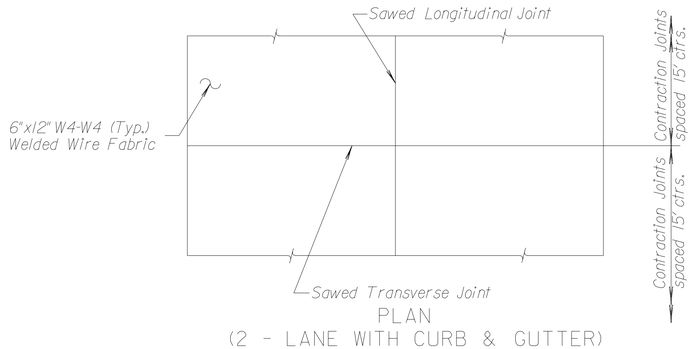
TRANSVERSE SECTION
(2 - LANE WITH CURB & GUTTER)

GENERAL NOTE

All deformed tie bars shall be epoxy coated.
Deformed tie bars which require bending shall be billet steel reinforcing bars, Grade 40, and may be epoxy coated.
~~Pressure relief joints (without load transfer devices) shall be placed at the end of the bridge approach pavement slab. For details of pressure relief joint, see Concrete Bridge Approach Standard.~~
~~Unless otherwise noted, load transfer devices as shown in detail shall be used at all contraction joints on mainline pavement. No dowels will be on shoulder contraction joints.~~
All longitudinal and transverse joints on this project shall be sawed and filled with sealant. See special provision for type of sealant.
Shape of all keyed joints shall be similar to section of recessed form leg as shown on this sheet.
~~See Standard Drawing RD722 for concrete shoulder details and corrugation details.~~
~~All longitudinal joints shall be tied.~~



PLAN
(4 - LANE WITH CURB & GUTTER)

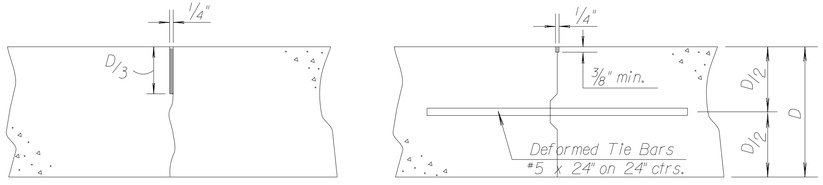


PLAN
(2 - LANE WITH CURB & GUTTER)

DOWEL SIZE	
D (In.)	Diameter
8	1"
9	1 1/8"
10	1 1/4"
11	1 3/8"
12	1 1/2"

PAVEMENT DEPTH
D= 6"

Note: Designer shall add applicable dowel sizes.

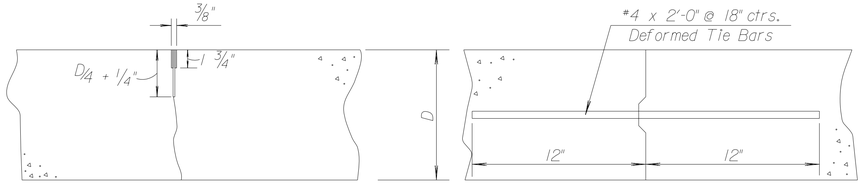


Tied Non-Keyed

Tied Keyed Construction

LONGITUDINAL JOINTS

Note: All sealant is flush with below surface and is a minimum of 3/8" thick. A backer rod may be used to limit the amount of sealant needed to fill reservior.

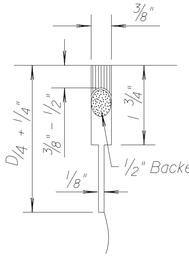


Contraction

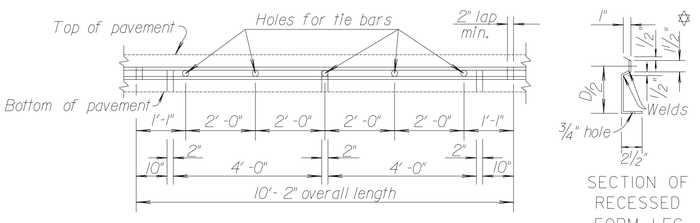
Construction

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



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.

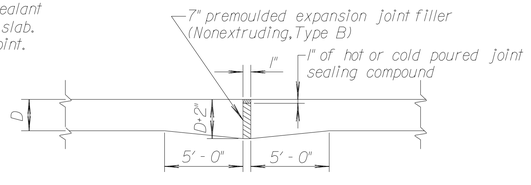


METAL STRIP FOR
LONGITUDINAL CONSTRUCTION JOINT

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.

SECTION OF
RECESSED
FORM LEG



EXPANSION JOINT

NO.	DATE	REVISIONS	BY	APP'D
6	1-29-97	Revised Contraction Joint	RJS	JOB
5	9-26-96	Rev. Tied Non-Keyed Long. Jt. depth	RJS	JOB
4	9-20-95	Revised Metal Strip detail dimensions	RJS	JOB
3	7-20-94	Revised joints, added table	RJS	JOB

KANSAS DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT

~~RD708~~

FHWA APPROVAL	2-18-97	APP'D James O. Brewer	
DESIGNED	DETAILED	QUANTITIES	TRACED
DESIGN CK.	DETAIL CK.	QUAN.CK.	TRACE CK.

Drawn By : | Plotted : 10/30/2007
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