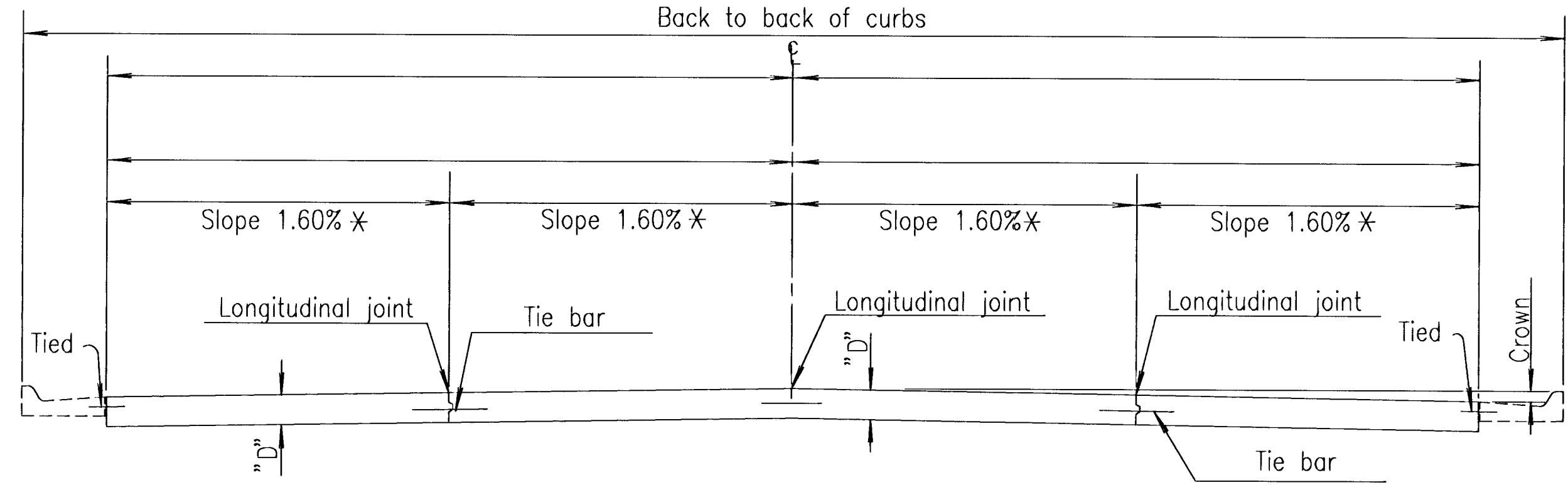


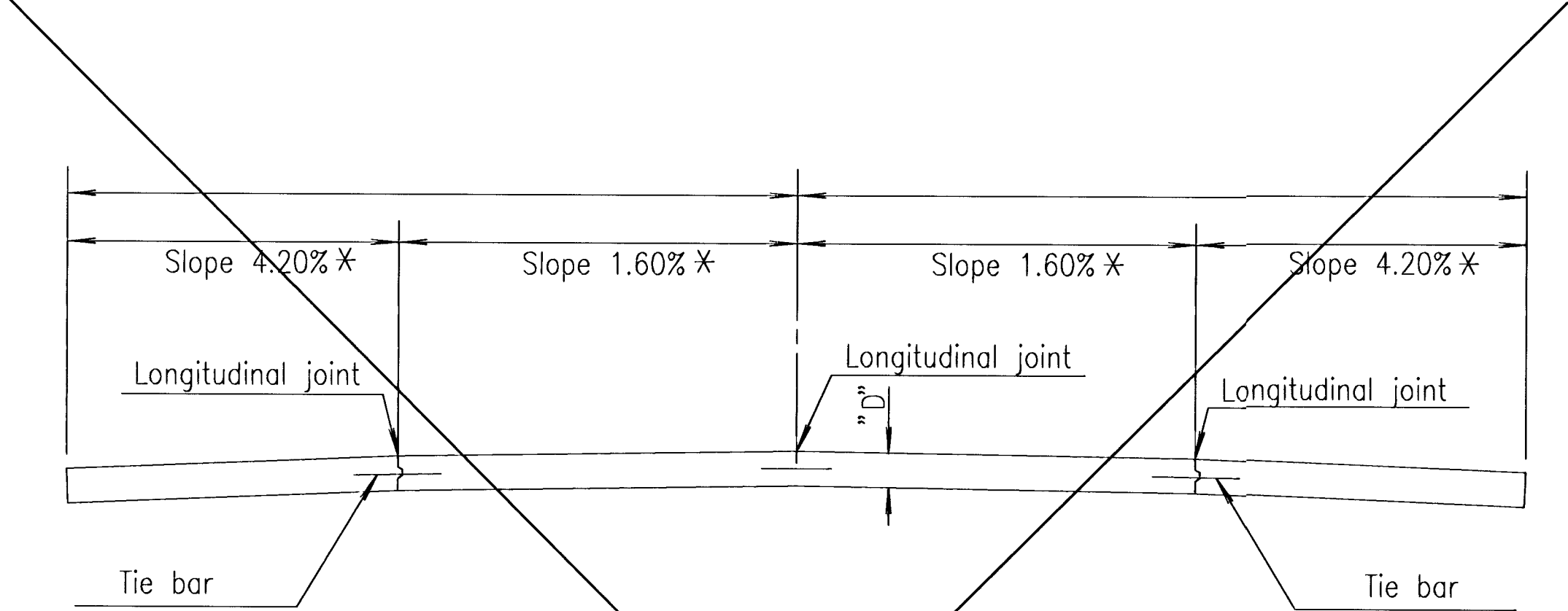
FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87N-0196-01	2001	16	55



For Curb & Gutter details see
Standard Drawing RD740 SI.

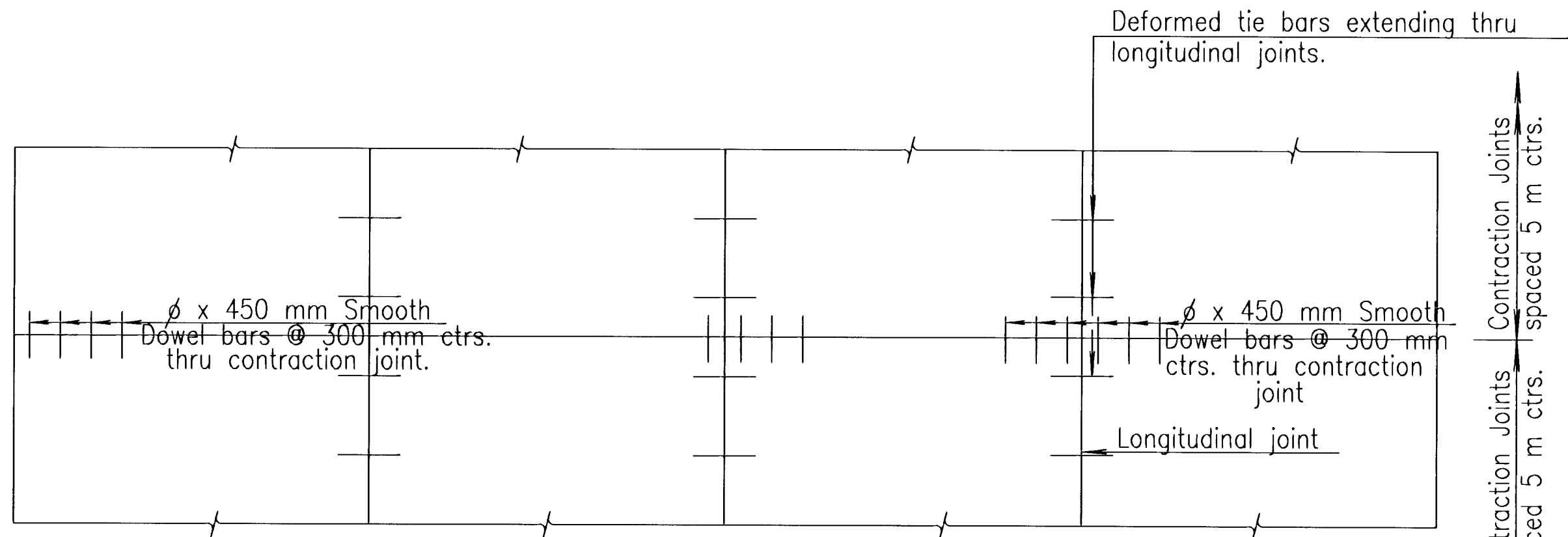
TRANSVERSE SECTION
(4 - LANE WITH CURB & GUTTER)

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

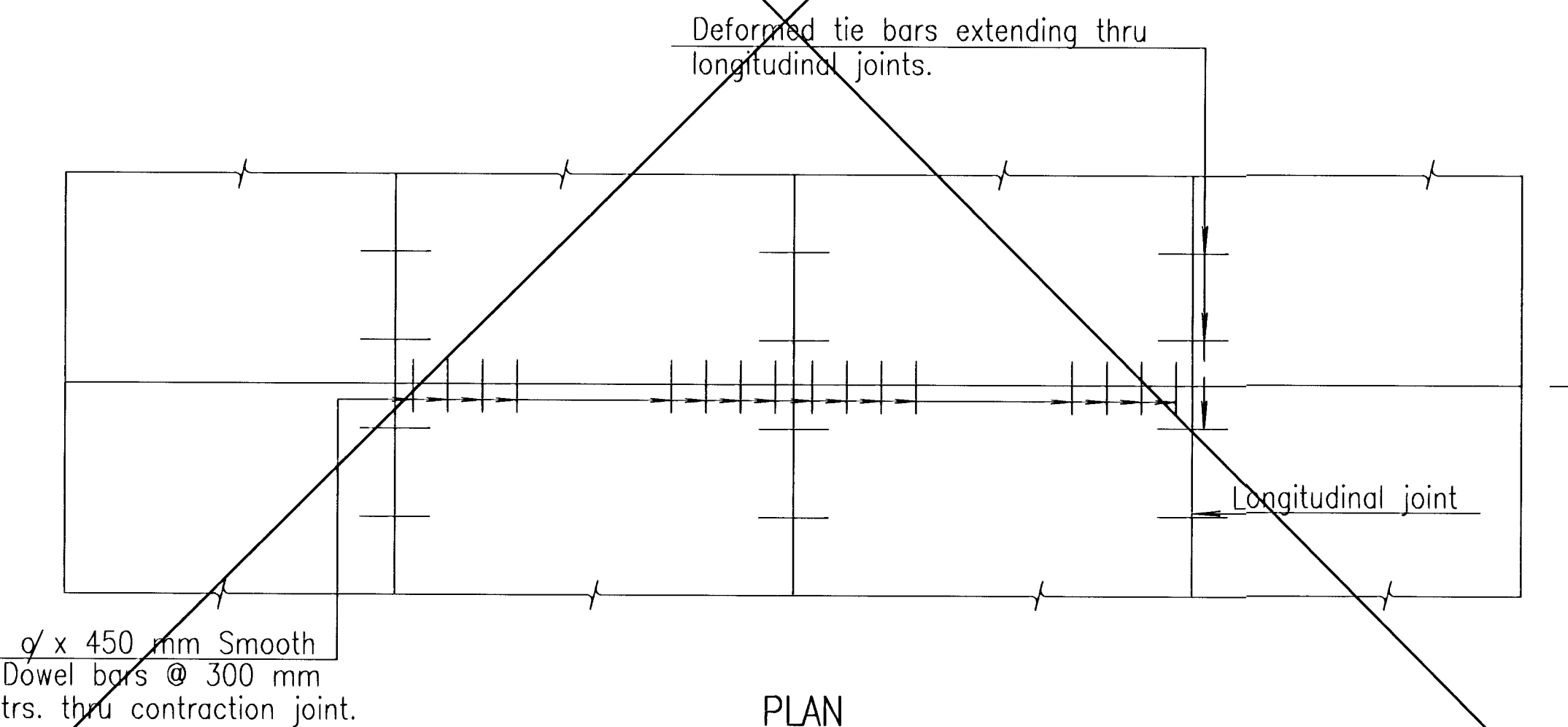


TRANSVERSE SECTION
(2 - LANE WITH SHOULDERS)

GENERAL NOTE
All deformed tie bars shall be epoxy coated.
Deformed tie bars which require bending shall be billet steel rein-
forcing bars, Grade 300, 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 Drawing.
Unless otherwise noted, load transfer devices as shown in detail shall
be used at all contraction joints on mainline pavement. No dowels will be
used on shoulder contraction joints unless specifically shown on plans.
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.
See Standard Drawing RD681 SI for concrete shoulder details and
corrugation details.
All longitudinal joints shall be tied.



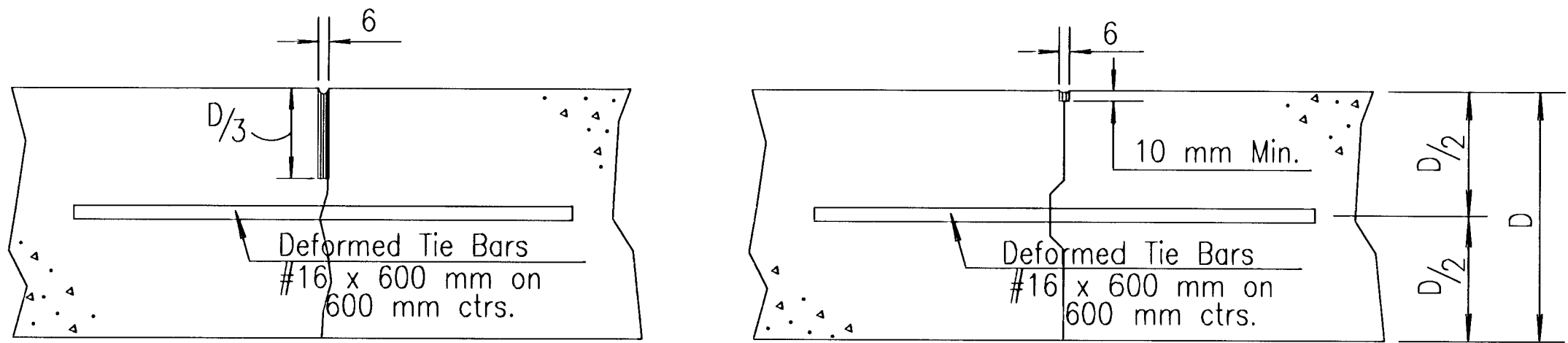
PLAN
(4 - LANE WITH CURB & GUTTER)



PLAN
(2 - LANE WITH SHOULDERS)

DOWEL SIZE	
D - mm	Dia. mm
160	25
180	25
200	25
220	29
240	32
260	32
280	35
300	38
320	41
340	44
360	44
400	51

PAVEMENT DEPTH
D= 225

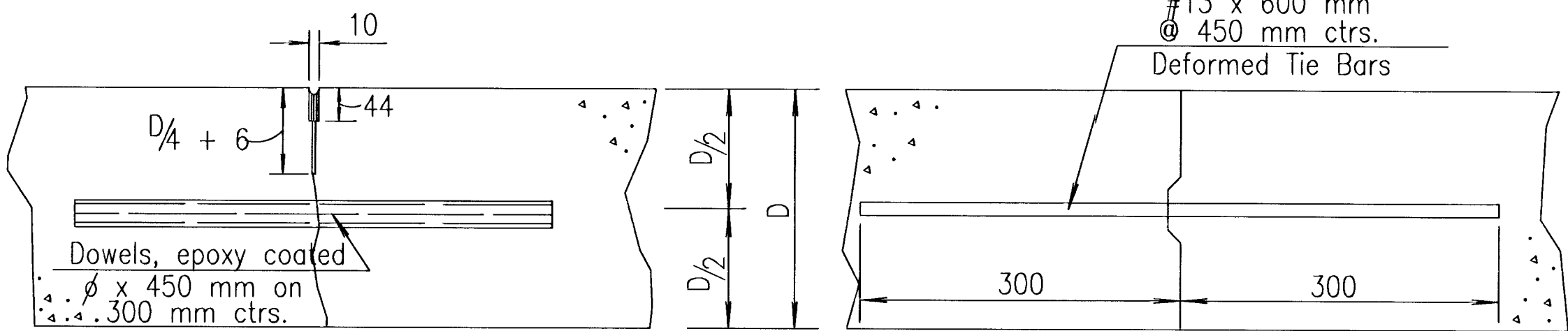


Tied Non-Keyed

Tied Keyed Construction

LONGITUDINAL JOINTS

Note: All sealant is 3 mm to 6mm below surface and is a minimum of 6 mm thick.
A backer rod may be used to limit the amount of sealant needed to fill the reservoir.

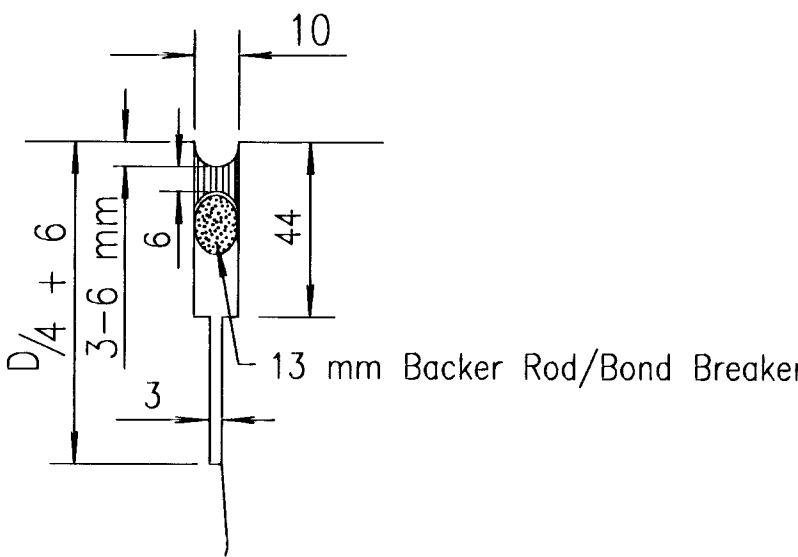


Contraction

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 1.5 m
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.

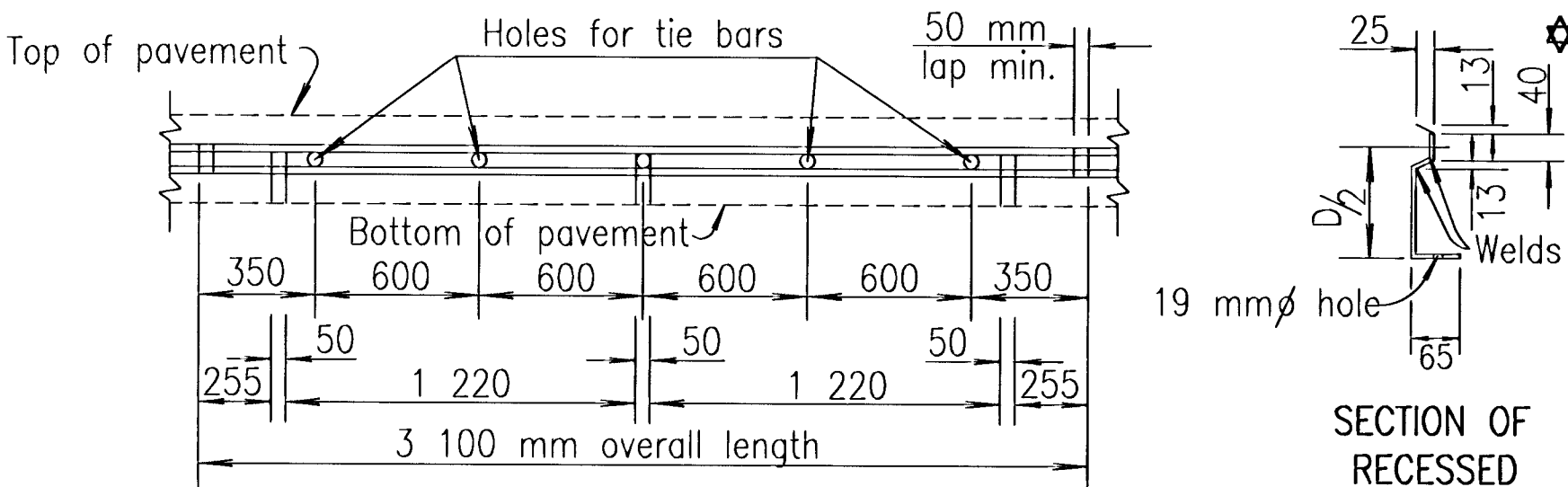
TRANSVERSE JOINTS



DETAIL OF CONTRACTION JOINT
SAWCUT

The 3 mm saw cut (D/4 + 6 mm depth) shall be done initially;
the 10 mm saw cut shall be accomplished in a separate operation
after concrete has gained sufficient strength to avoid spall-
ing as determined by the Engineer.

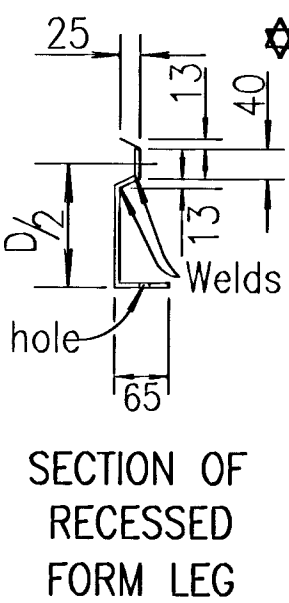
At longitudinal construction joints where the adjacent slabs
are at different elevations the depth of saw cut for the sealant
reservoir should be measured from the top of the lower slab.
This is to ensure that sufficient sealant is used in the joint.



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

NO.	DATE	REVISIONS	BY	APP'D
3	11-19-97	Revised Curb and Gutter reference	R.J.S.	J.O.B.
2	1-29-97	Revised Contraction Joint	R.J.S.	J.O.B.
1	11-27-96	Revised Dowel size table	R.J.S.	J.O.B.
KANSAS DEPARTMENT OF TRANSPORTATION				
CONCRETE PAVEMENT				
DOWEL JOINTED				
NON-REINFORCED				
RD651-SI				
FHWA APPROVAL		APP'D. James O. Brewer		
DESIGNED	11-25-97	QUANTITIES	TRACED	Bowser
DESIGN CK.	DETAIL CK.	QUANT. CK.	TRACE CK.	Seitz