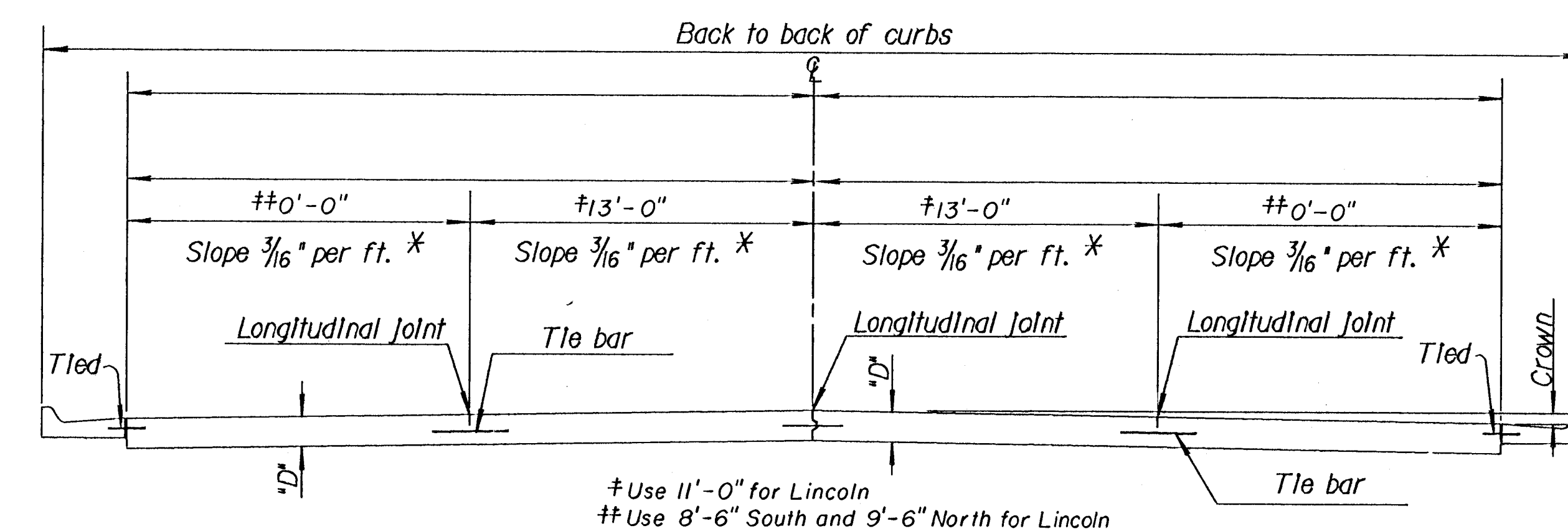


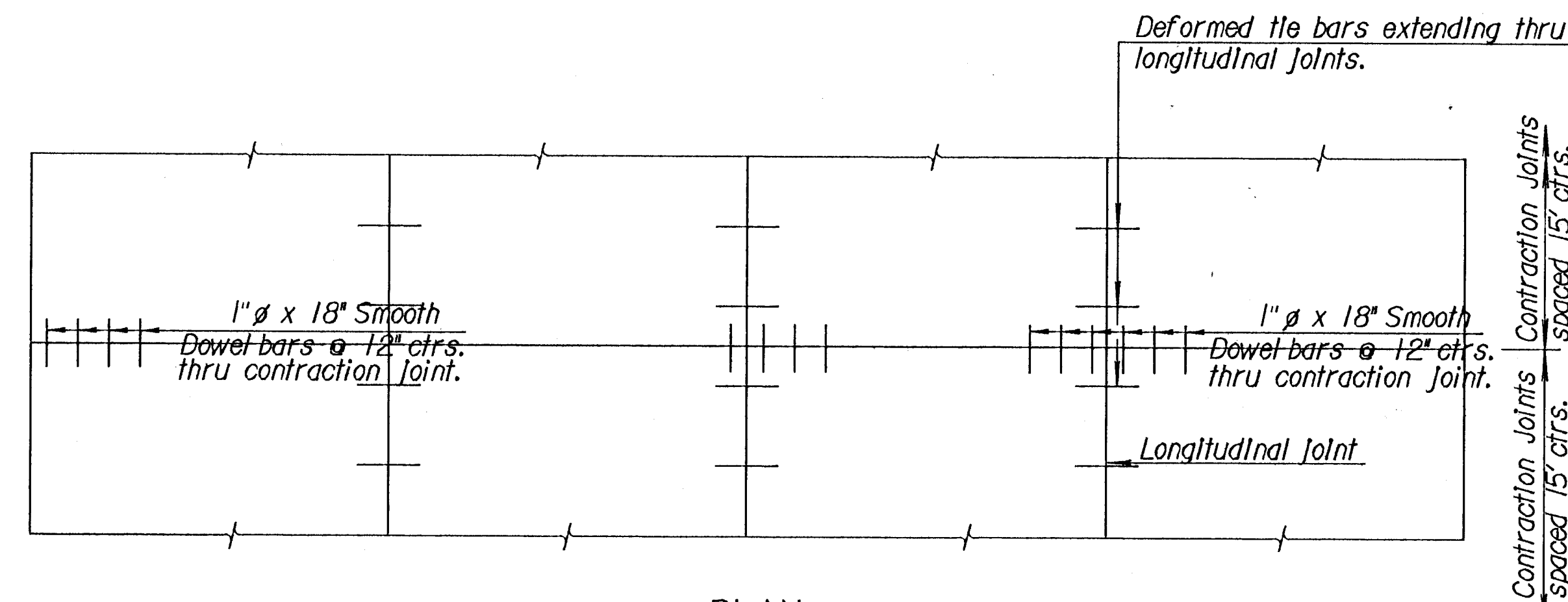
| FHWA<br>REGION<br>NO. | STATE  | PROJECT NO.     | YEAR | SHEET<br>NO. | TOTAL<br>SHEETS |
|-----------------------|--------|-----------------|------|--------------|-----------------|
| 7                     | KANSAS | 54-87 K-4445-01 | 1996 | 23           | 73              |



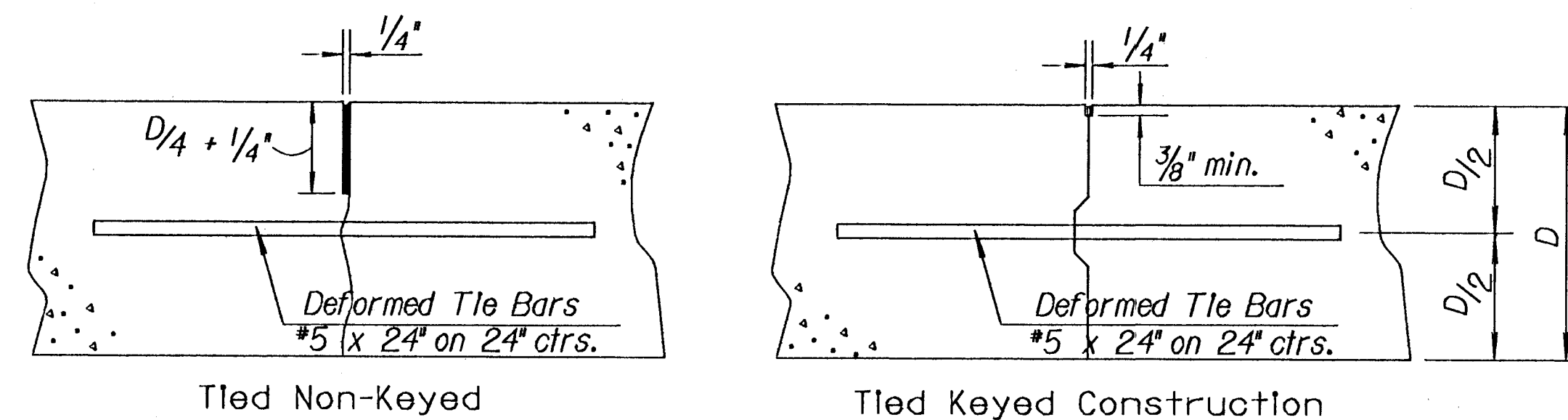
For Curb & Gutter details  
See Sheet 2.

TRANSVERSE SECTION  
(4 - LANE WITH CURB & GUTTER)

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

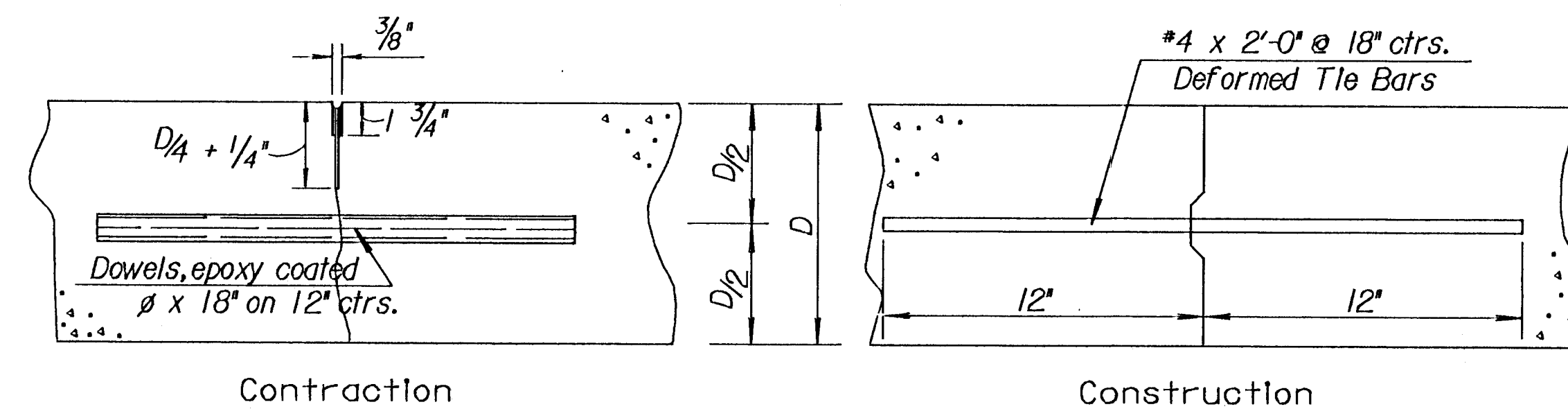


PLAN  
(4 - LANE WITH CURB & GUTTER)



LONGITUDINAL JOINTS

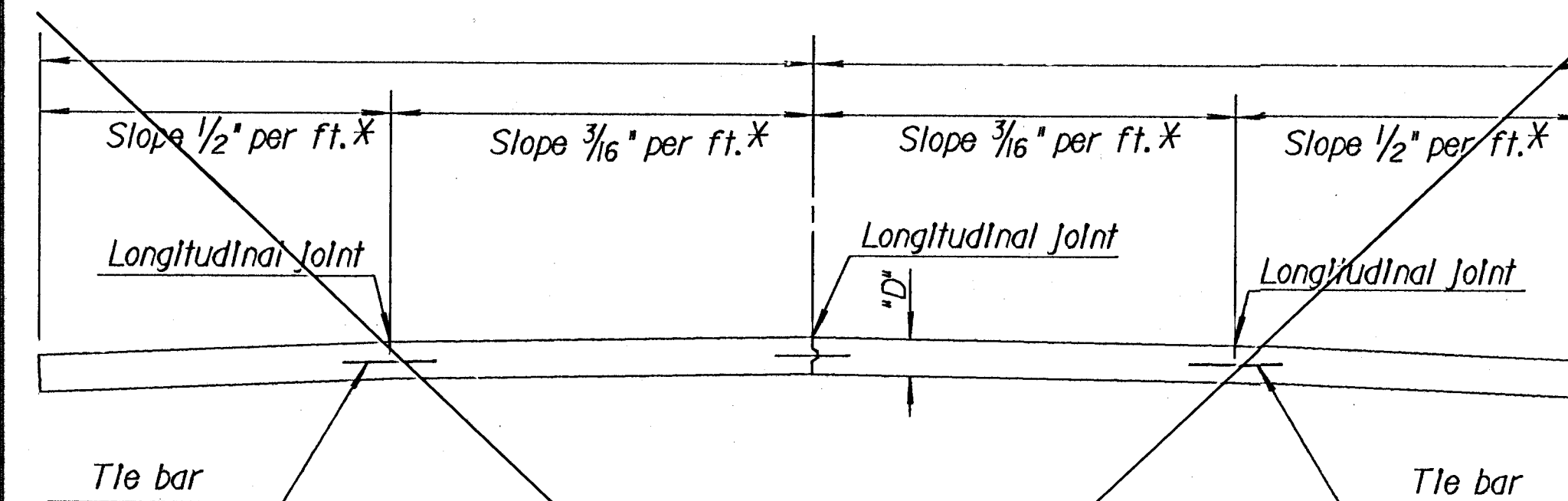
Note: All sealant is 1/8" - 1/4" below surface and is a minimum of 1/4" thick. A backer rod may be used to limit the amount of sealant needed to fill reservoir.



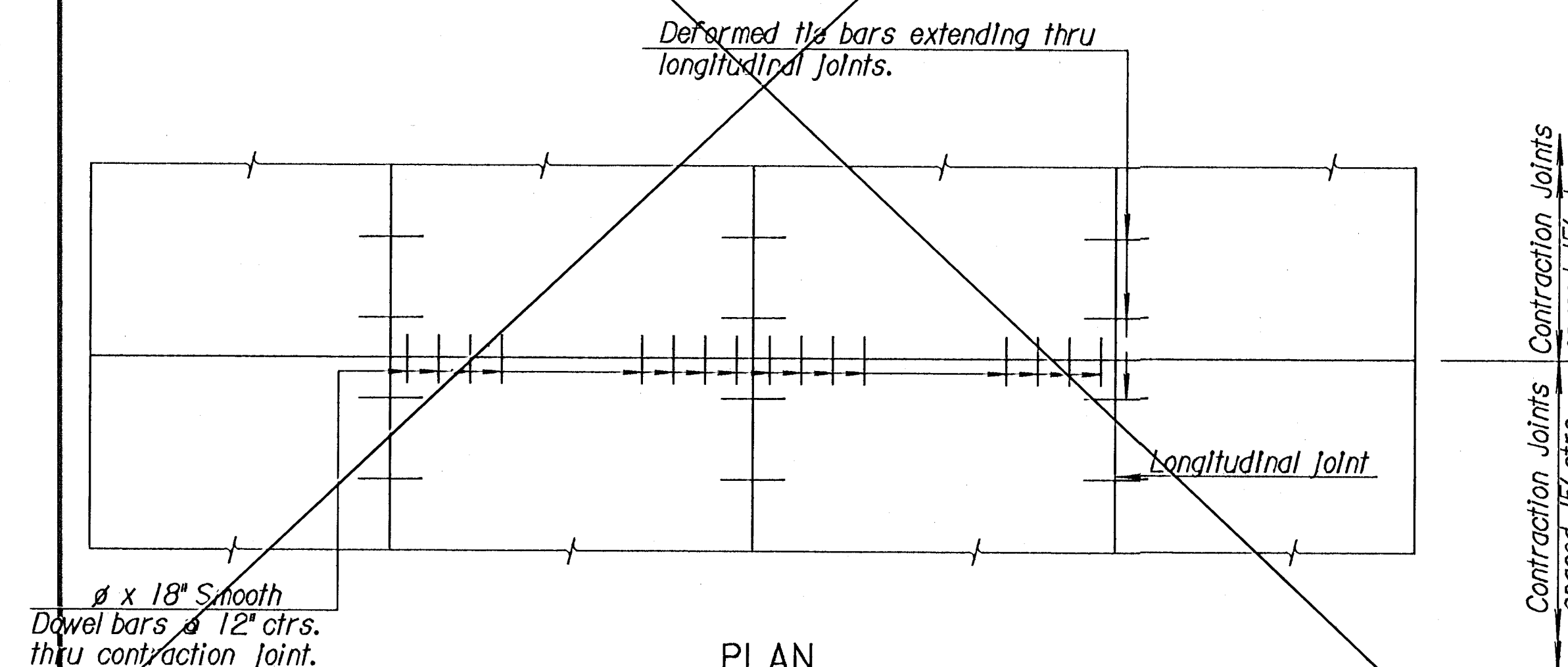
Note: Contraction Joints will be constructed at the planned location or as directed by the Engineer.

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.

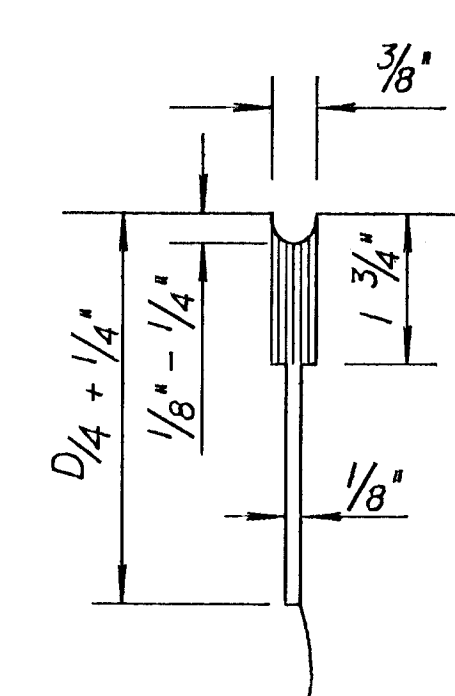
TRANSVERSE JOINTS



TRANSVERSE SECTION  
(2 - LANE WITH SHOULDERS)



PLAN  
(2 - LANE WITH SHOULDERS)



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.

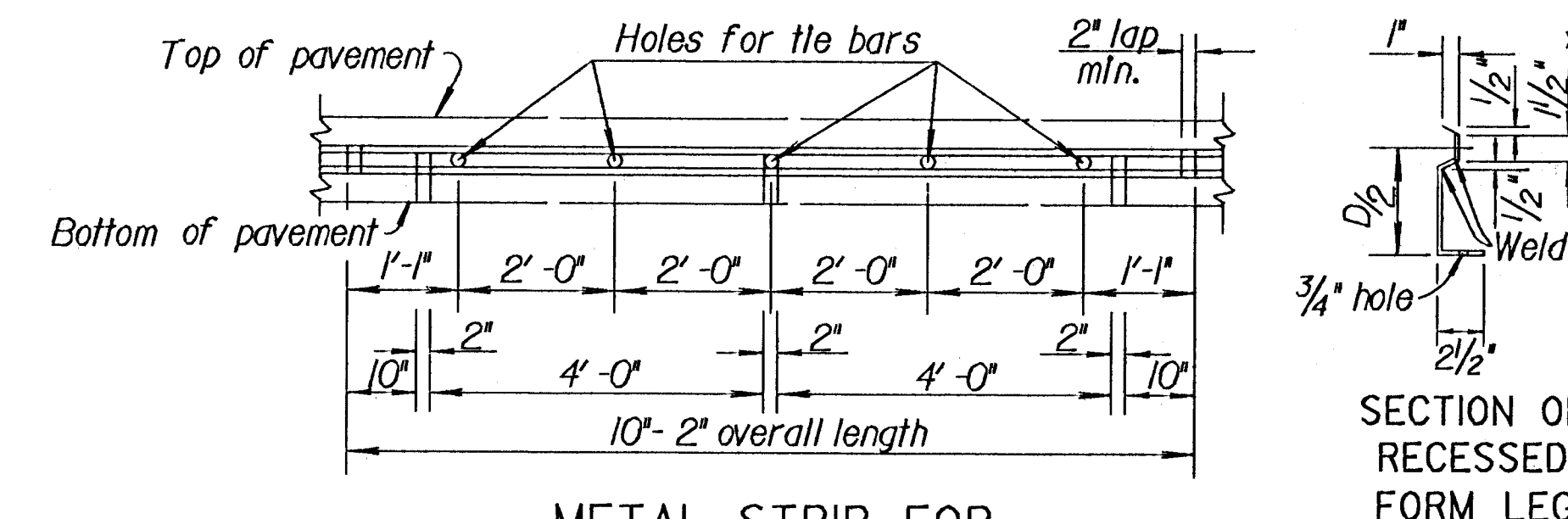
At longitudinal construction joints where the adjacent slabs are at different elevations the depth of saw cut for the sealant reservoir should be measured from the top of the lower slab. This is to ensure that sufficient sealant is used in the joint.

#### GENERAL NOTE

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 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 Std. 722.1 for concrete shoulder details and corrugation details. All longitudinal joints shall be tied.

| 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 =



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.

| NO. | DATE     | REVISIONS                             | BY  | APP'D |
|-----|----------|---------------------------------------|-----|-------|
| 4   | 9-20-95  | Revised Metal Strip detail dimensions | RJS | JOB   |
| 3   | 7-20-94  | Revised Joints, added table           | RJS | JOB   |
| 2   | 12-22-92 | Added long. const. jt. sealant note   | RJS | JOB   |
| 1   | 2-24-92  | Protect joint from texturing.         | RJS | JOB   |

| KANSAS DEPARTMENT OF TRANSPORTATION                  |            |            |                       |
|------------------------------------------------------|------------|------------|-----------------------|
| CONCRETE PAVEMENT<br>DOWEL JOINTED<br>NON-REINFORCED |            |            |                       |
| RD708-                                               | DESIGNED   | 10-5-95    | APP'D James O. Brewer |
|                                                      | DETAILED   | QUANTITIES | TRACED                |
|                                                      | DETAIL CK. | QUAN. CK.  | TRACE CK.             |