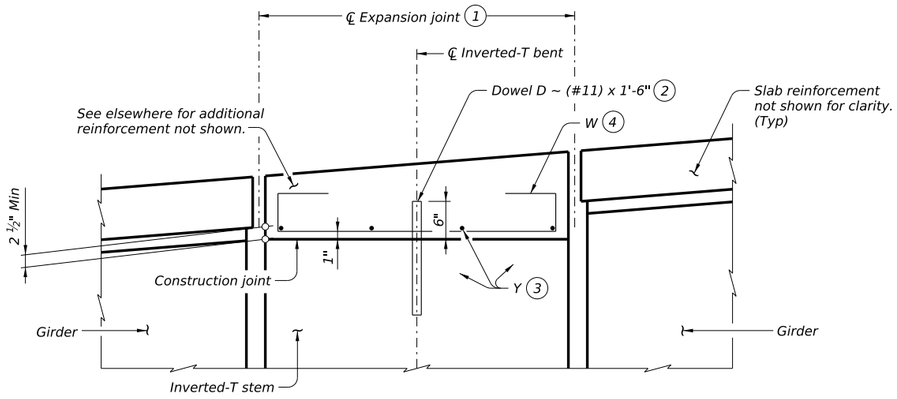
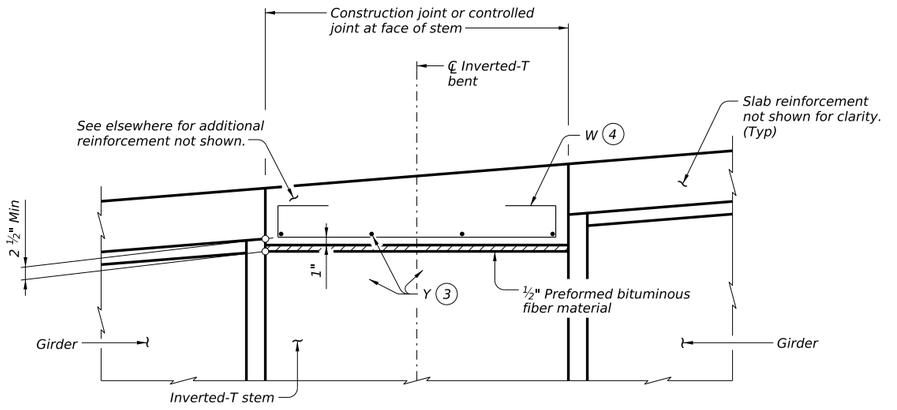
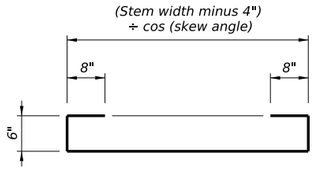


SHOWING EXPANSION JOINTS



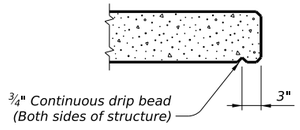
SHOWING CONSTRUCTION JOINTS OR CONTROLLED JOINTS

REINFORCEMENT OVER INVERTED-T BENTS

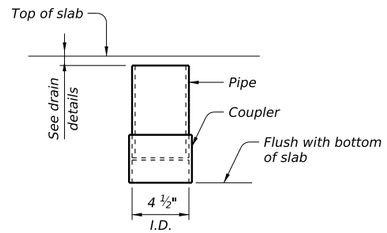


BARS W (#4)

1. See Bridge Layout for joint type.
2. Dowels D (#11) spaced at 5 feet Max. See inverted-T bents for quantity and location.
3. Space Bars Y (#4) at 12" Max. Use 2" end cover. Number of Bars Y must satisfy spacing limit. Place parallel to bent.
4. Space Bars W at 12" Max (3" from end of cap). Tilt if necessary to maintain cover requirements. Place parallel to longitudinal slab reinforcement.
5. Drain entrance formed in rail or sidewalk.

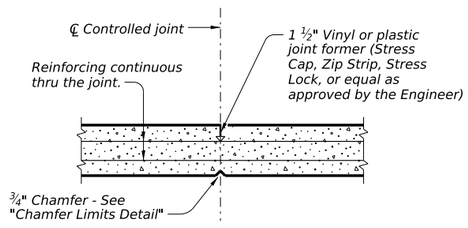


DRIP BEAD DETAIL



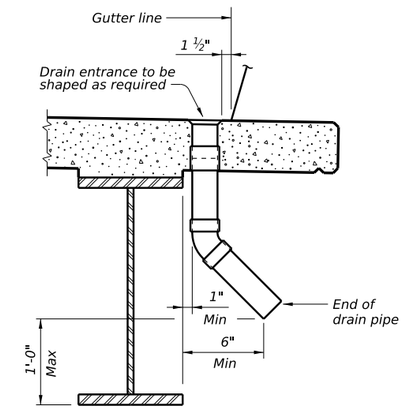
C-I-P DRAIN DETAIL

Note: Roughen outside of PVC with coarse rasp or equal to ensure bond with cast-in-place concrete.



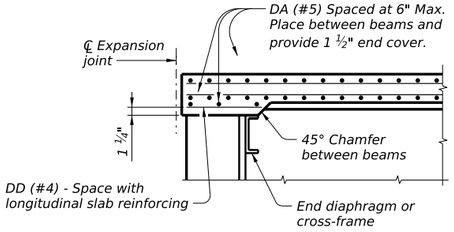
CONTROLLED JOINT DETAIL

(Saw-cutting is not allowed)



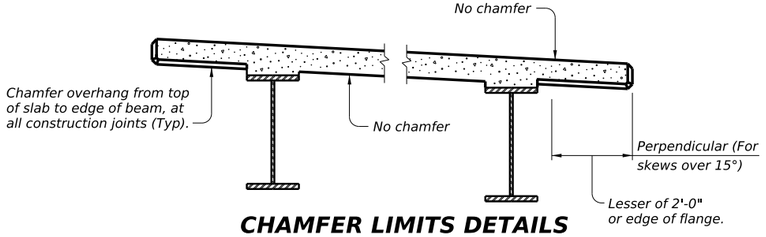
DRAIN DETAILS

Note: All drain pipe and fittings to be 4" diameter (Sch 40) PVC. See Item 481, "Pipe for Drains" for pipe, connections and solvent welding. Bend reinforcing steel to clear PVC 1". Drain length and location are as directed by the Engineer. Drains are not permitted over roadways or railways, or within 10'-0" of bent caps. Degrease outside of exposed PVC, apply acrylic water base primer, then coat with same surface finishing material as used for outside girder face. Variations of the above designs, as required for the type of rail used and its location on the structure, may be installed with the approval and direction of the Engineer. Water may not be discharged onto girders.



SECTION AT SLAB ENDS

Showing additional required slab reinforcement when thickened slab ends, shown on the Thickened Slab End Details - Steel Girder and Beams (SGTS) standard, are not indicated on the span details.



CHAMFER LIMITS DETAILS

Note: See span details for construction joint locations.

GENERAL NOTES:

Designed according to AASHTO LRFD Bridge Design Specifications.
All items (reinforcing steel, drains, joint formers, etc.) shown on this sheet are subsidiary to other bid items.
Provide Grade 60 reinforcing steel.

Cover dimensions are clear dimensions, unless noted otherwise.
Reinforcing bar dimensions shown are out-to-out of bar.

Texas Department of Transportation

Bridge Division Standard

MISCELLANEOUS SLAB DETAILS
STEEL GIRDERS AND BEAMS

SGMS

FILE: MS-SGMS-24.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
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REVISIONS				
	DIST	COUNTY		SHEET NO.

DATE:
FILE: