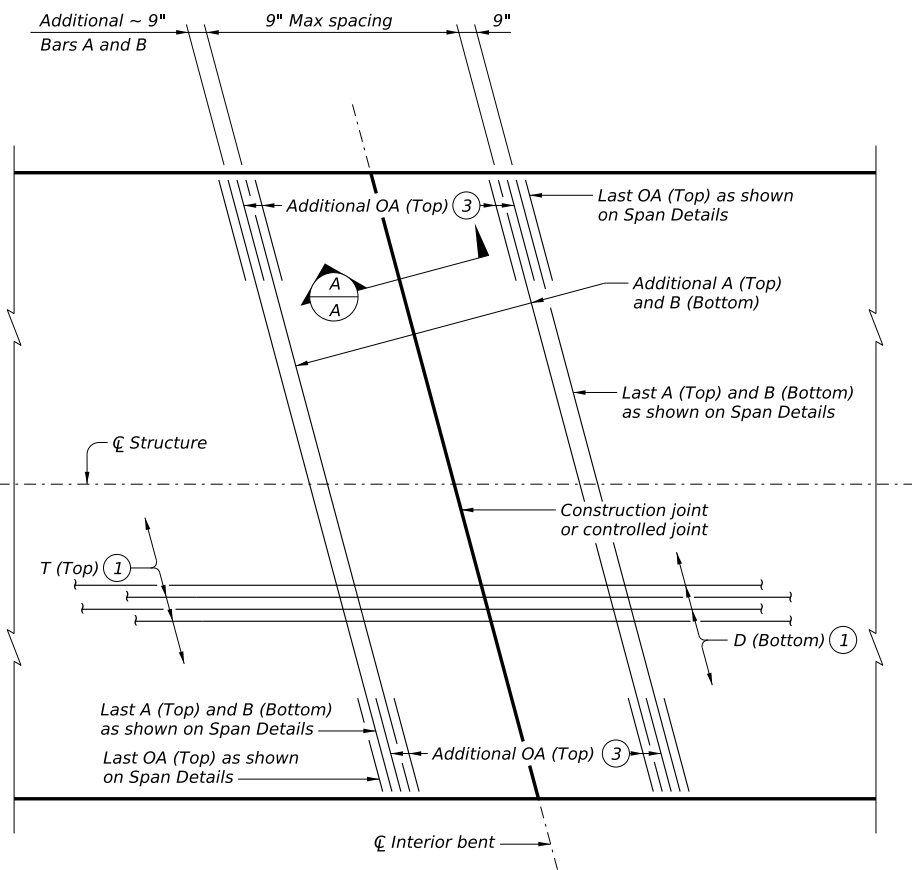
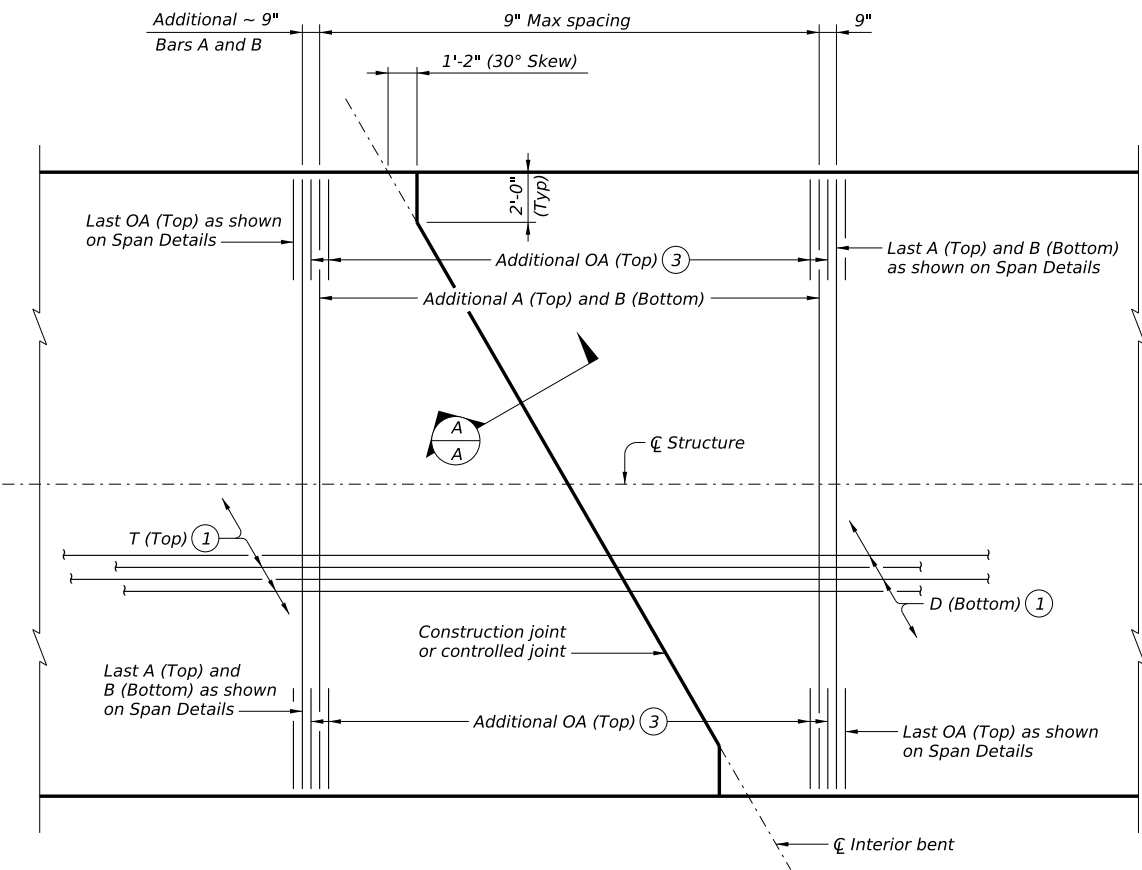


DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act." No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

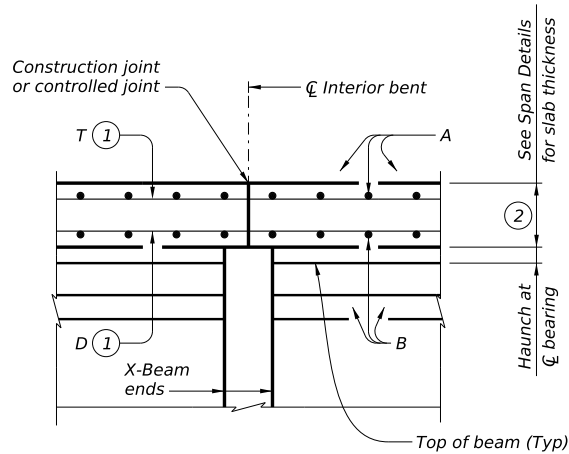
DATE: FILE:



PLAN FOR SKEW ANGLES 0° TO 15°
(Showing 15° skew)



PLAN FOR SKEW ANGLES OVER 15° TO 30°
(Showing 30° skew)



SECTION A-A
Bars OA (Top) not shown for clarity.

- ① Top and bottom mats must be continuous through joint.
- ② Maintain a constant 8 1/2" slab thickness over the bent.
- ③ Bars OA (Top) at 9" Max spacing between Bars A (Top).
- ④ Values in table assume a temperature change of 70°F after erection when calculating thermal movement in one direction (not total.)

TABLE OF ALLOWABLE UNIT LENGTH ^④	
Max. Rdwy Grade, Percent	Unit Length Factor
0.00	4.4
1.00	4.3
2.00	4.1
3.00	3.8
4.00	3.5
5.00	3.2

Unit length must not exceed the length of the shortest end span times the Unit Length Factor shown in table or 370', whichever is less.

BAR TABLE	
BAR	SIZE
A	#4
B	#4
D	#4
T	#4
OA	#5

CONSTRUCTION NOTES:

Where multi-span units are indicated on the Bridge Layout, the thickened slab end details and reinforcement shown on XBTS standard (Bars AA, G, H, J, K, and M) and on the span details will be omitted where slabs are continuous over interior bents. At these locations, the slab details and reinforcement will be as shown on this sheet or on Prestressed Concrete Panels (PCP) standard (if using this option.)

Thickened slab end reinforcement and details still apply at expansion joint locations (ends of units.) See span details for remainder of slab reinforcement and details.

MATERIAL NOTES:

Provide Grade 60 reinforcing steel.
Provide Class S Concrete (f_c = 4,000 psi.) Provide Class S (HPC) if shown elsewhere on plans.
Provide bar laps, where required, as follows:
Uncoated ~ #4 = 1'-7"
Epoxy Coated ~ #4 = 2'-5"

GENERAL NOTES:

Designed according to AASHTO LRFD Bridge Design Specifications. This standard is drawn showing right forward skew. See Bridge Layout for actual skew direction.

The details shown on this sheet are only applicable for use with the Prestressed Concrete X-Beam Standard Designs shown on standards XBSD-32, XBSD-38, XBSD-40,M and XBSD-44.

The details shown on this sheet are applicable for two and three span units comprised of the same X-beam type. Units may be comprised of different span lengths. See "Table of Allowable Unit Length."

HL93 LOADING

		Bridge Division Standard	
<p>CONTINUOUS SLAB DETAILS PRESTRESSED CONCRETE X-BEAM SPANS XBSC</p>			
FILE: XB-XBSC-24.dgn	DN: JMH	CK: TAR	DW: JER
© TxDOT August 2022	CONT	SECT	JOB
REVISIONS	DIST		COUNTY
11-24: Flipped top mat.	SHEET NO.		