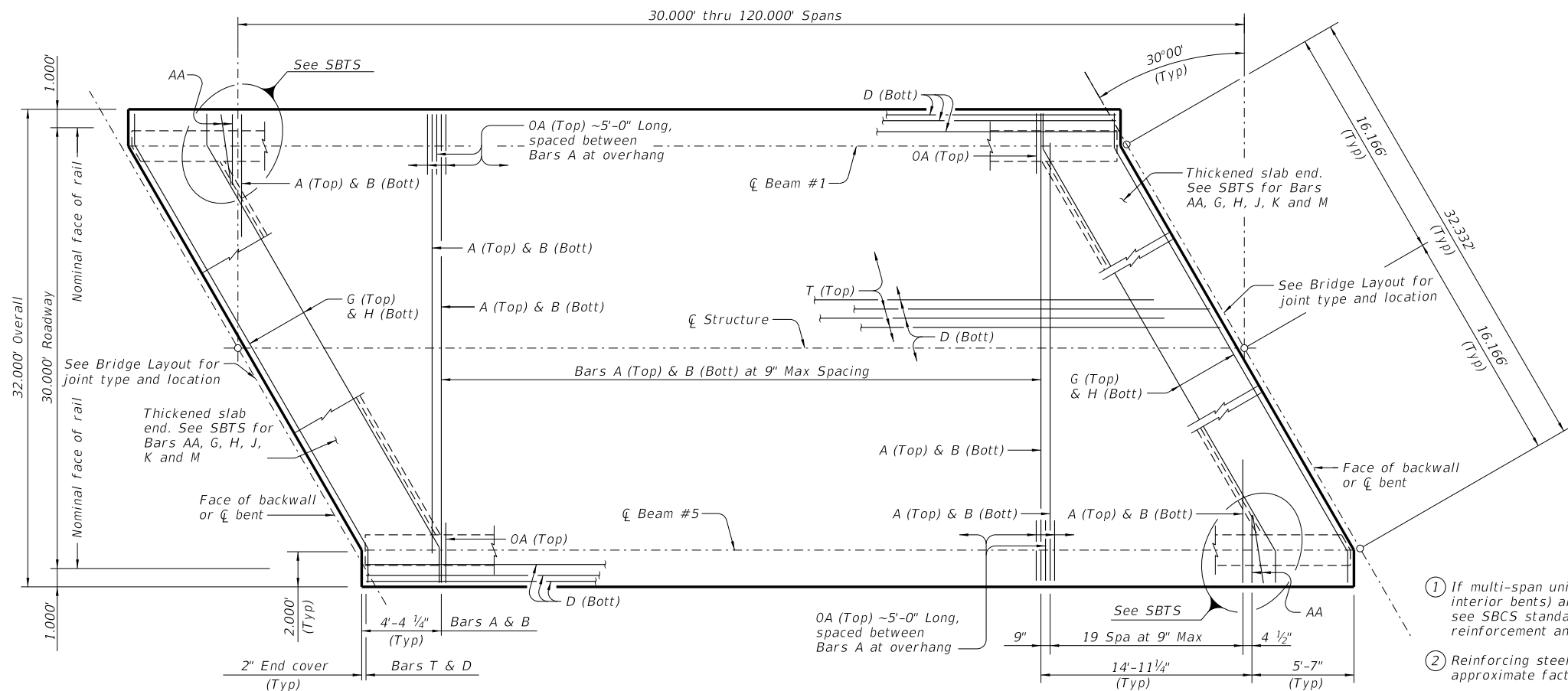


DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

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PLAN 1

- 1 If multi-span units (with slab continuous over interior bents) are indicated on the Bridge Layout, see SBCS standard for adjustment to slab reinforcement and quantities.
- 2 Reinforcing steel weight is calculated using an approximate factor of 4.4 Lbs/SF.
- 3 See SBSD-30 standard for "A" and "Y" values. Increase "Y" value as necessary for sag roadway vertical curves.
- 4 Tolerance on slab thickness is +1", -0" regardless of forming system used or any other tolerances shown elsewhere.
- 5 See SBSD-30-30 standard for Structural Steel (Rolled Beam) estimated quantities.

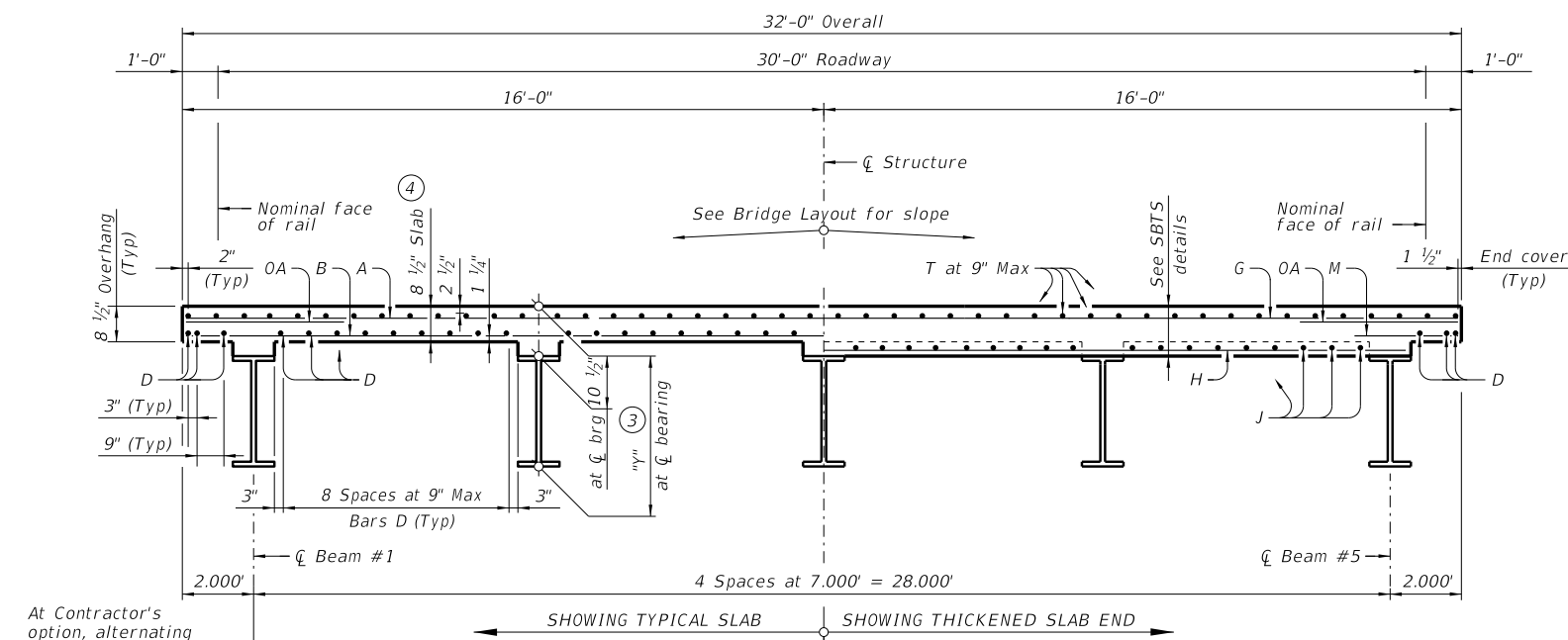
BAR TABLE	
Bar	Size
A	#4
AA	#5
B	#4
D	#4
G	#4
H	#4
J	#4
K	#4
M	#4
OA	#5
T	#4

TABLE OF ESTIMATED QUANTITIES 5		
SPAN LENGTH	REINF CONCRETE SLAB	TOTAL REINF STEEL 2
		Lb
Ft	SF	Lb
30	960	6,240
35	1,120	7,280
40	1,280	8,320
45	1,440	9,360
50	1,600	10,400
55	1,760	11,440
60	1,920	12,480
65	2,080	13,520
70	2,240	14,560
75	2,400	15,600
80	2,560	16,640
85	2,720	17,680
90	2,880	18,720
95	3,040	19,760
100	3,200	20,800
105	3,360	21,840
110	3,520	22,880
115	3,680	23,920
120	3,840	24,960

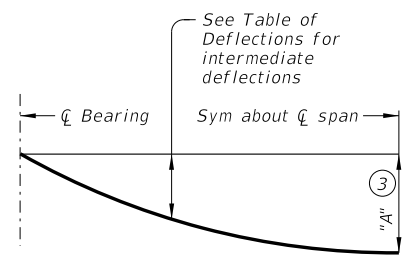
MATERIAL NOTES:
 Provide Class S concrete (f'c = 4,000 psi).
 Provide Class S (HPC) concrete if shown elsewhere in the plans.
 Provide Grade 60 reinforcing steel.
 Provide bar laps, where required, as follows:
 Uncoated~ #4 = 1'-7"
 Epoxy coated~ #4 = 2'-5"
 Deformed Welded Wire Reinforcement (WWR) (ASTM A1064) of equal size and spacing may be substituted for Bars A, AA, B, D, OA, or T unless noted otherwise.

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.
 Multi-span units, with slab continuous over interior bents, may be formed with the details shown on this sheet and Steel Beam Continuous Slab Details (SBCS) standard sheet.
 See Steel Beam Thickened Slab End (SBTS) standard sheet for thickened slab end details and quantity adjustments.
 See Prestressed Concrete Panels (PCP) standard sheet or Permanent Metal Deck Forms (PDMF) standard sheet for details and quantity adjustments if either of these options are used.
 See Steel Beam Miscellaneous Slab Details (SBMS) standard sheet for miscellaneous details.
 See applicable rail details for rail anchorage in slab.
 This standard does not support the use of transition bents.

Cover dimensions are clear dimensions, unless noted otherwise.



TYPICAL TRANSVERSE SECTION



DEAD LOAD DEFLECTION DIAGRAM

TABLE OF DEFLECTIONS 3	
Location	Deflection
CL Brg	0.0
0.1 Span	0.31 x "A"
0.2 Span	0.59 x "A"
0.3 Span	0.81 x "A"
0.4 Span	0.95 x "A"
CL Span	"A"

HL93 LOADING SHEET 1 OF 2

Texas Department of Transportation
 Bridge Division Standard

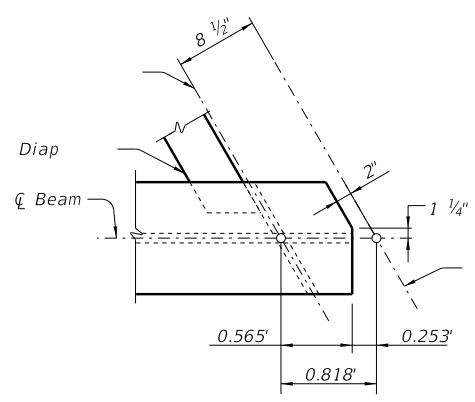
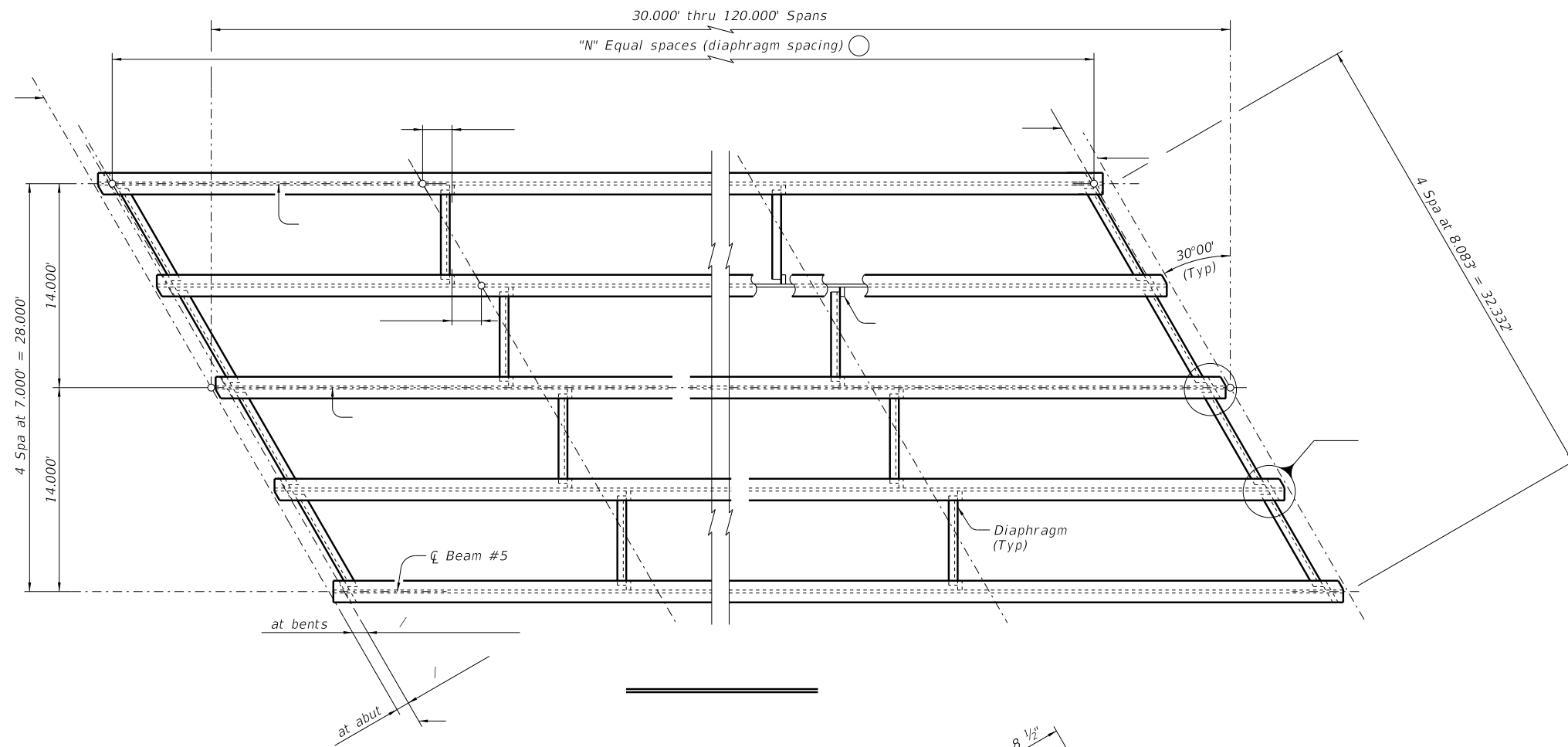
STEEL BEAM SPANS

30' ROADWAY 30° SKEW

SSB-30-30

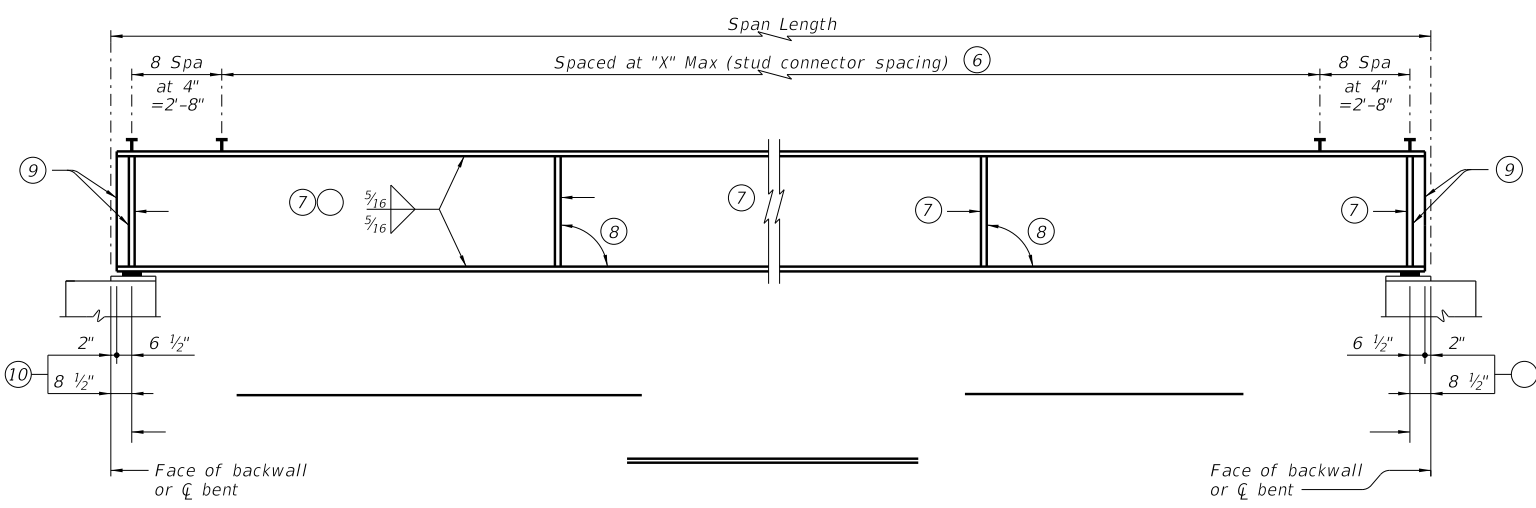
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©TxDOT November 2021	CONT	SECT	JOB	HIGHWAY
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FABRICATION NOTES



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REVISIONS				
DIST	COUNTY			SHEET NO.

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