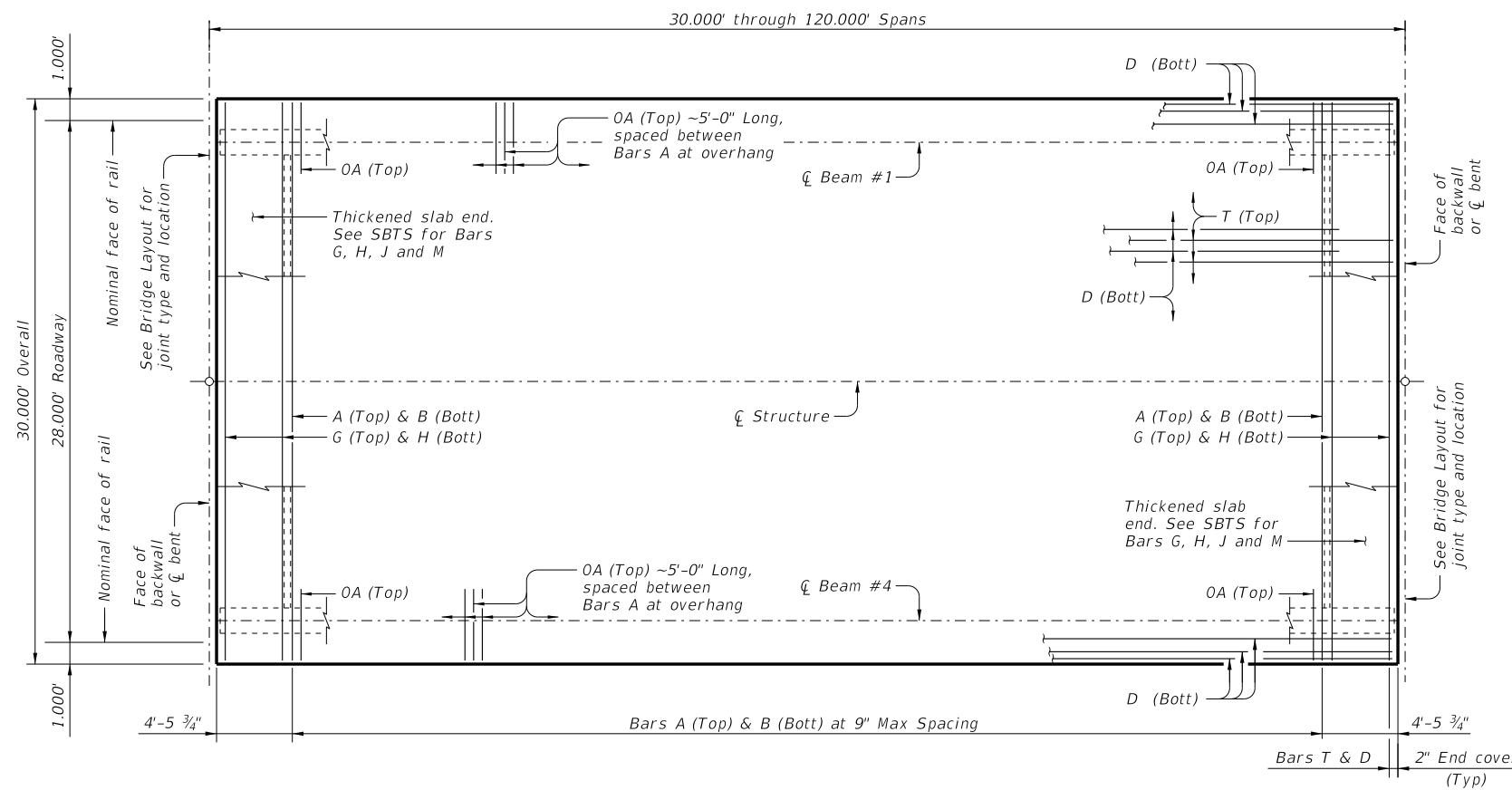
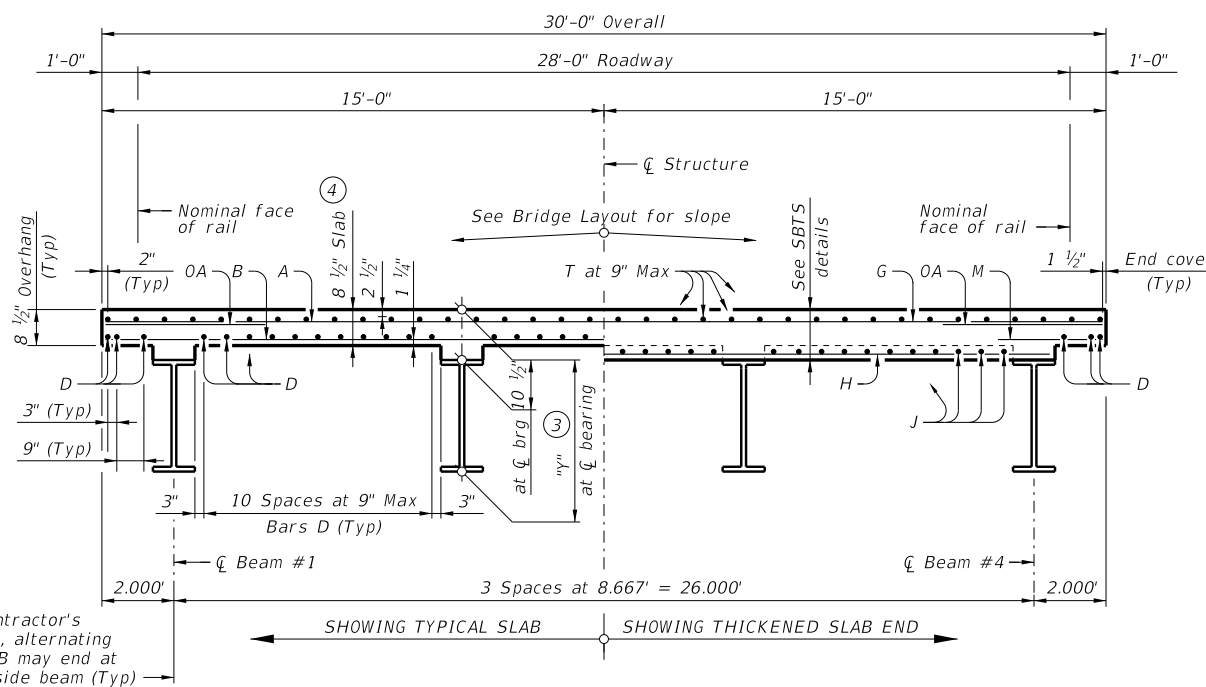


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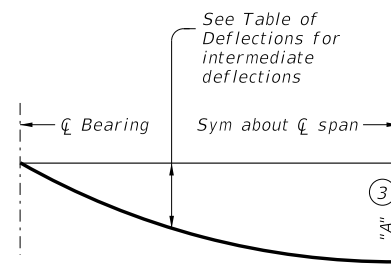
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PLAN 1



TYPICAL TRANSVERSE SECTION



DEAD LOAD DEFLECTION DIAGRAM

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"

BAR TABLE

Bar	Size
A	#4
B	#4
D	#4
G	#4
H	#4
J	#4
M	#4
OA	#5
T	#4

TABLE OF ESTIMATED QUANTITIES ⑤

SPAN LENGTH	ESTIMATED QUANTITIES	
	REINF CONCRETE SLAB	TOTAL REINF STEEL ②
Ft	SF	Lb
30	900	5,850
35	1,050	6,825
40	1,200	7,800
45	1,350	8,775
50	1,500	9,750
55	1,650	10,725
60	1,800	11,700
65	1,950	12,675
70	2,100	13,650
75	2,250	14,625
80	2,400	15,600
85	2,550	16,575
90	2,700	17,550
95	2,850	18,525
100	3,000	19,500
105	3,150	20,475
110	3,300	21,450
115	3,450	22,425
120	3,600	23,400

- 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-28 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-28 standard for Structural Steel (Rolled Beam) estimated quantities.

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.

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 (PMDF) 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.

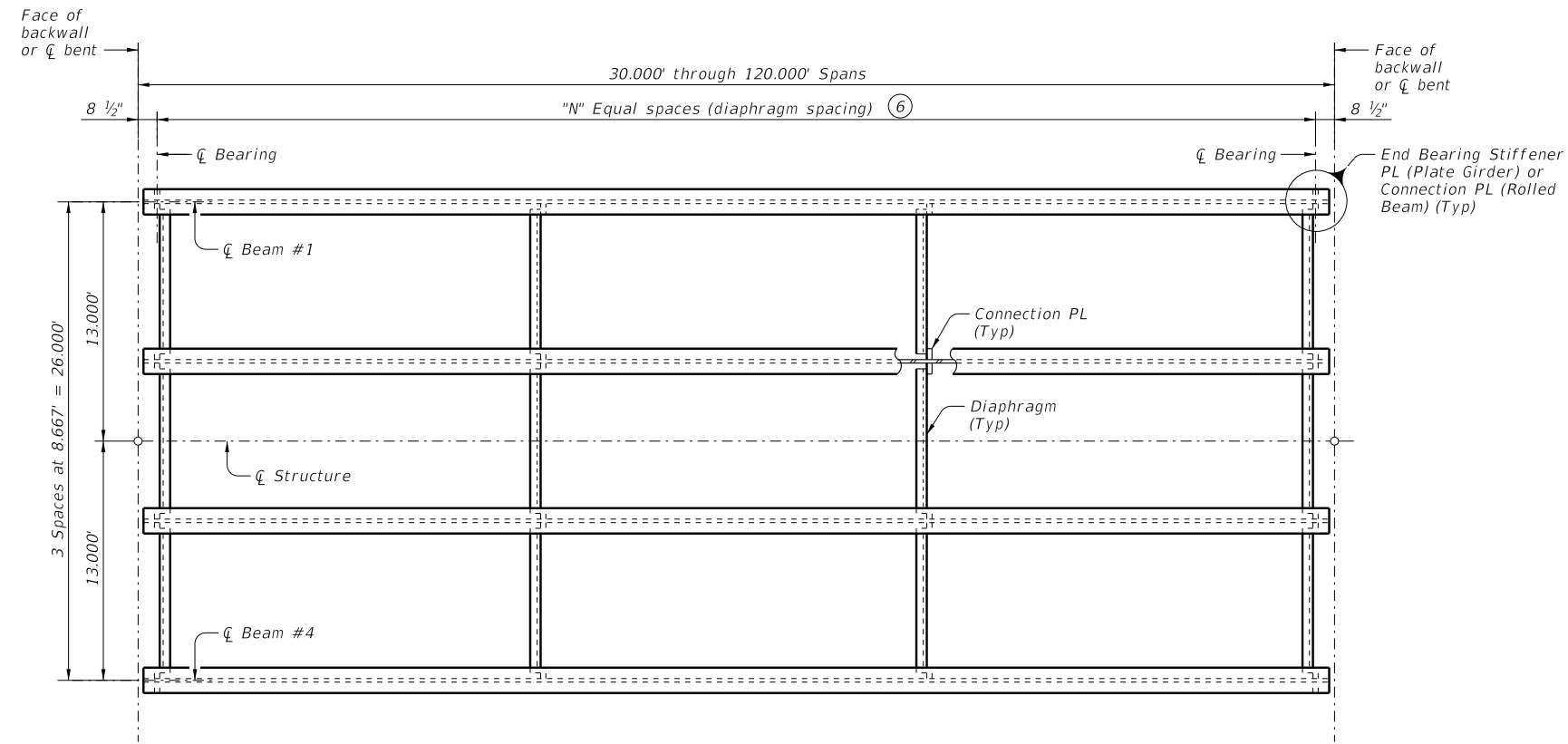
Cover dimensions are clear dimensions, unless noted otherwise.

HL93 LOADING

SHEET 1 OF 2

		<b>Bridge Division Standard</b>	
<h2>STEEL BEAM SPANS</h2> <h3>28' ROADWAY</h3> <h2>SSB-28</h2>			
FILE: SB-SSB2800-21.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT
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	DIST	COUNTY	SHEET NO.

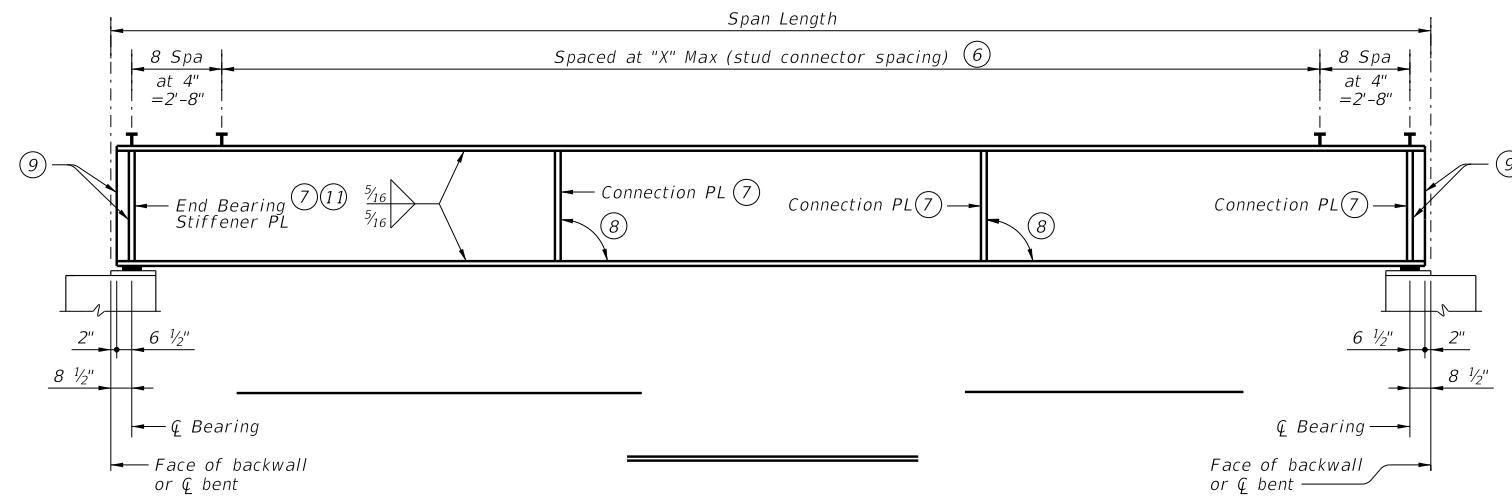
FABRICATION NOTES



- (6)
- (7)
- (8)
- (9)

- (10) Use one-half the values shown wh vertical curve is on the span.
- (11) Use End Bearing Stiffener on both sides of exterior girder. See SBMD for additional information.

CAMBER TOLERANCE TABLE (10)	
Point	Tolerance
0.1	+ 3/16", -0"
0.2	+ 1", -0"
0.3	+ 1 1/4", -0"
0.4	+ 1 7/16", -0"
0.5	+ 1 1/2", -0"



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		<b>Bridge Division Standard</b>		
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