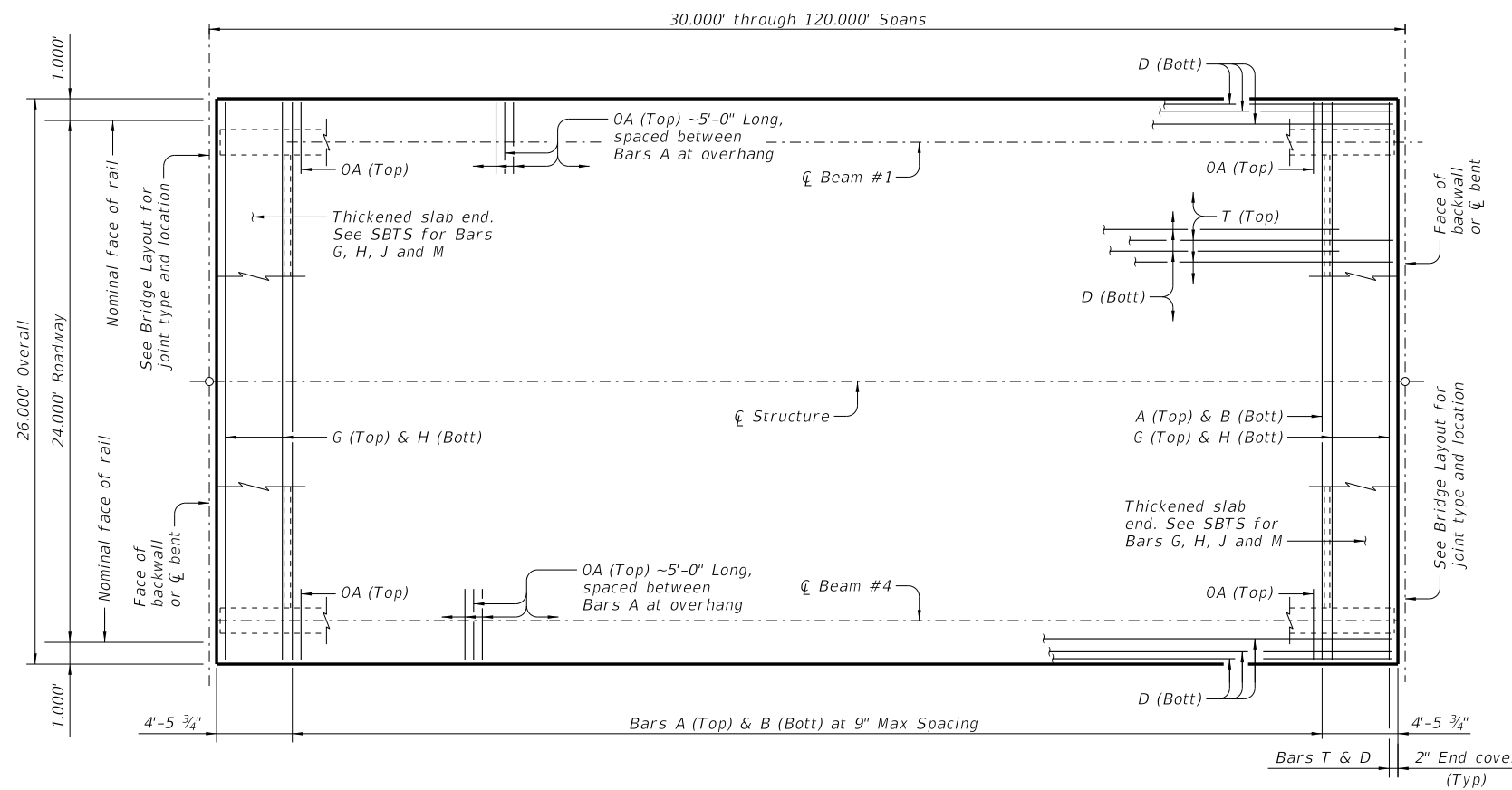
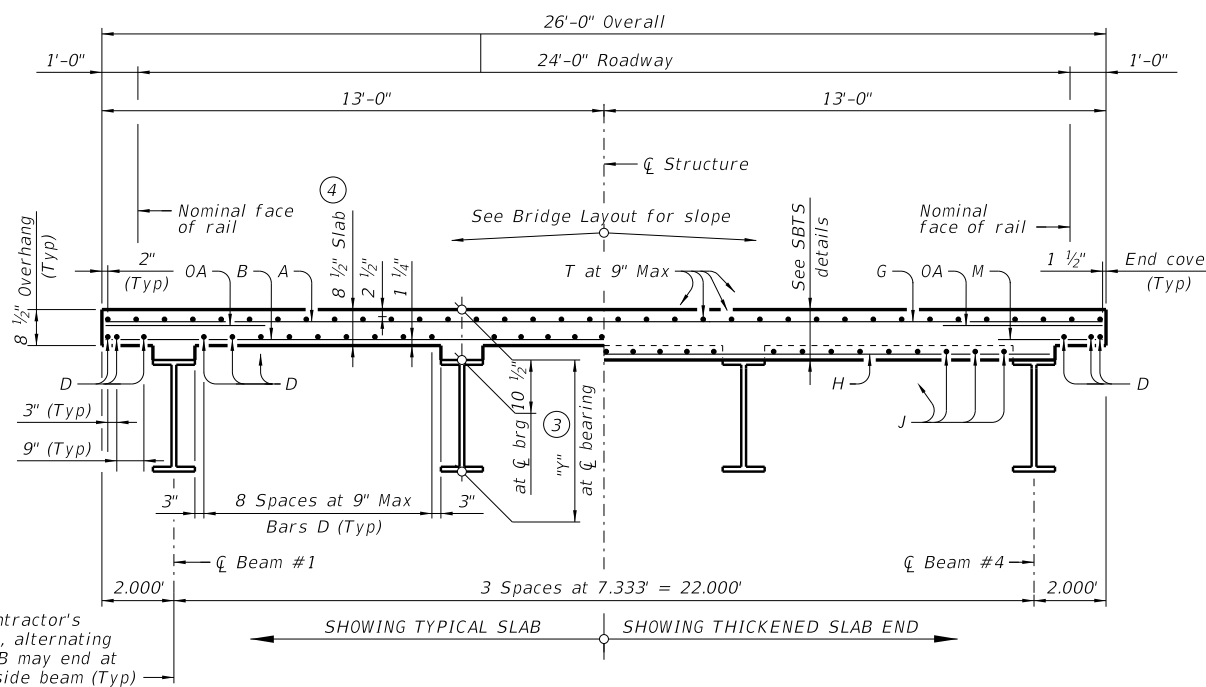


DISCLAIMER: This standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

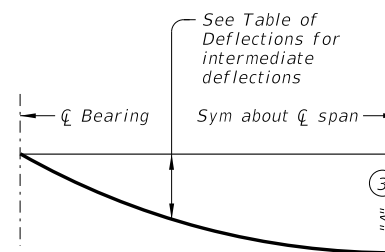
DATE: FILE:



PLAN 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	REINF CONCRETE SLAB	TOTAL REINF STEEL ②
		Lb
Ft	SF	Lb
30	780	5,070
35	910	5,915
40	1,040	6,760
45	1,170	7,605
50	1,300	8,450
55	1,430	9,295
60	1,560	10,140
65	1,690	10,985
70	1,820	11,830
75	1,950	12,675
80	2,080	13,520
85	2,210	14,365
90	2,340	15,210
95	2,470	16,055
100	2,600	16,900
105	2,730	17,745
110	2,860	18,590
115	2,990	19,435
120	3,120	20,280

- 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-24 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-24 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, 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.

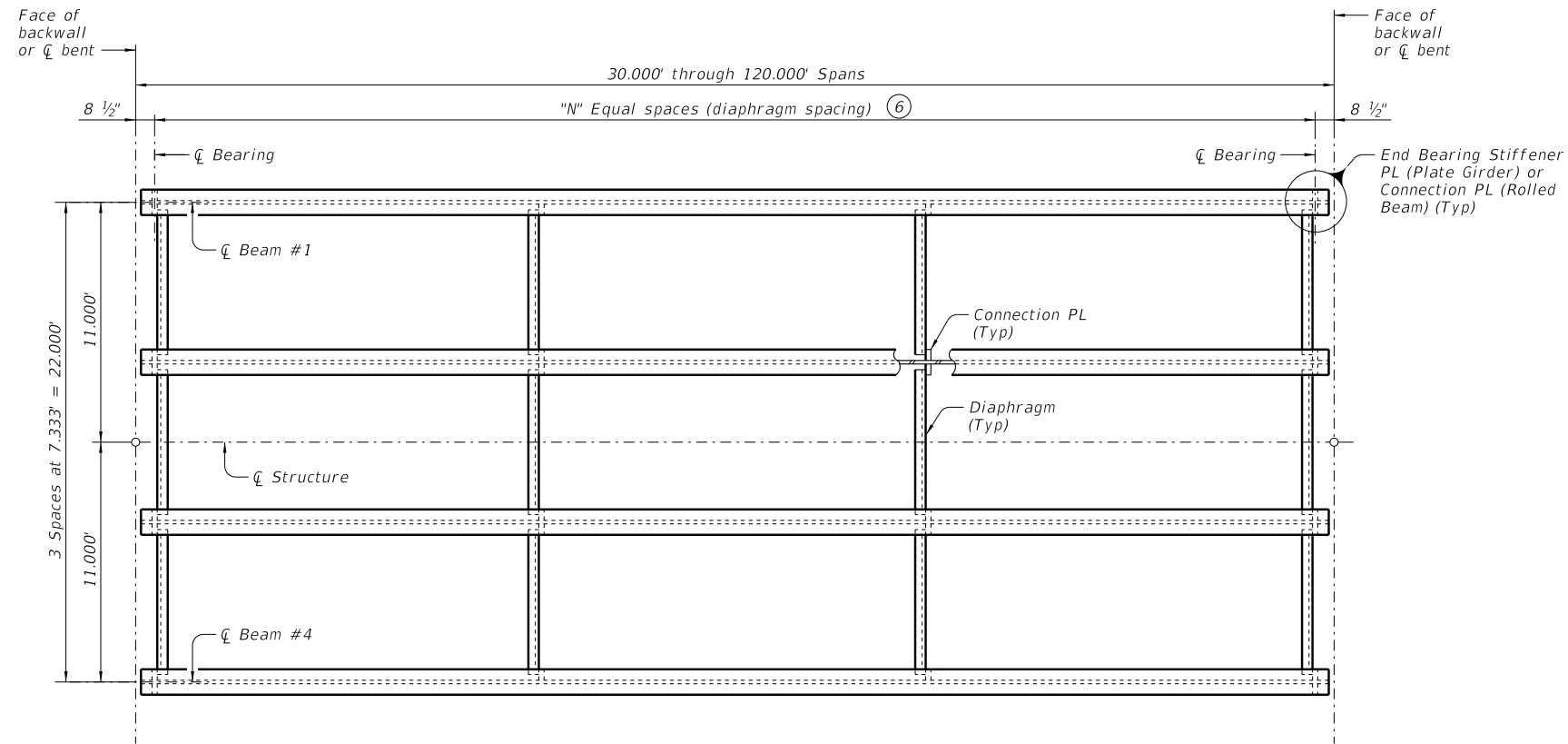
This standard does not support the use of transition bents.

Cover dimensions are clear dimensions, unless noted otherwise.

HL93 LOADING

SHEET 1 OF 2

		Bridge Division Standard	
<h2>STEEL BEAM SPANS</h2> <h3>24' ROADWAY</h3>			
<h1>SSB-24</h1>			
FILE: SB-SSB2400-21.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT
©TxDOT November 2021	CONT	SECT	JOB
REVISIONS		HIGHWAY	
DIST	COUNTY	SHEET NO.	



FRAMING PLAN

FABRICATION NOTES

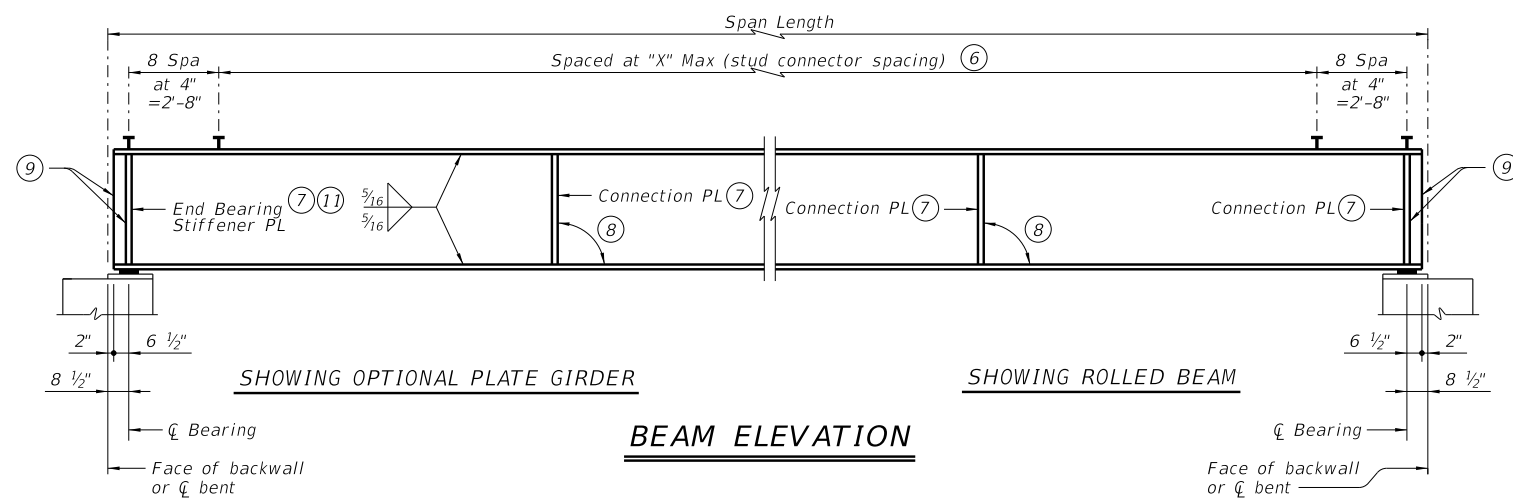
GENERAL:

ROLLED BEAMS:

OPTIONAL PLATE GIRDERS:

- ⑥
- ⑦
- ⑧
- ⑨
- ⑩

⑪ Use End Bearing Stiffener PL (Plate Girder) or Connection PL (Rolled Beam) (Typ)



BEAM ELEVATION

CAMBER TOLERANCE TABLE ⑩	
Point	Tolerance
0.1	+ 9/16", -0"
0.2	+ 1", -0"
0.3	+ 1 1/4", -0"
0.4	+ 1 7/16", -0"
0.5	+ 1 1/2", -0"

HL93 LOADING

SHEET 2 OF 2



FILE:	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
©TxDOT November 2021	CONT	SECT	JOB	HIGHWAY
REVISIONS	DIST		COUNTY	SHEET NO.

DATE:
FILE: