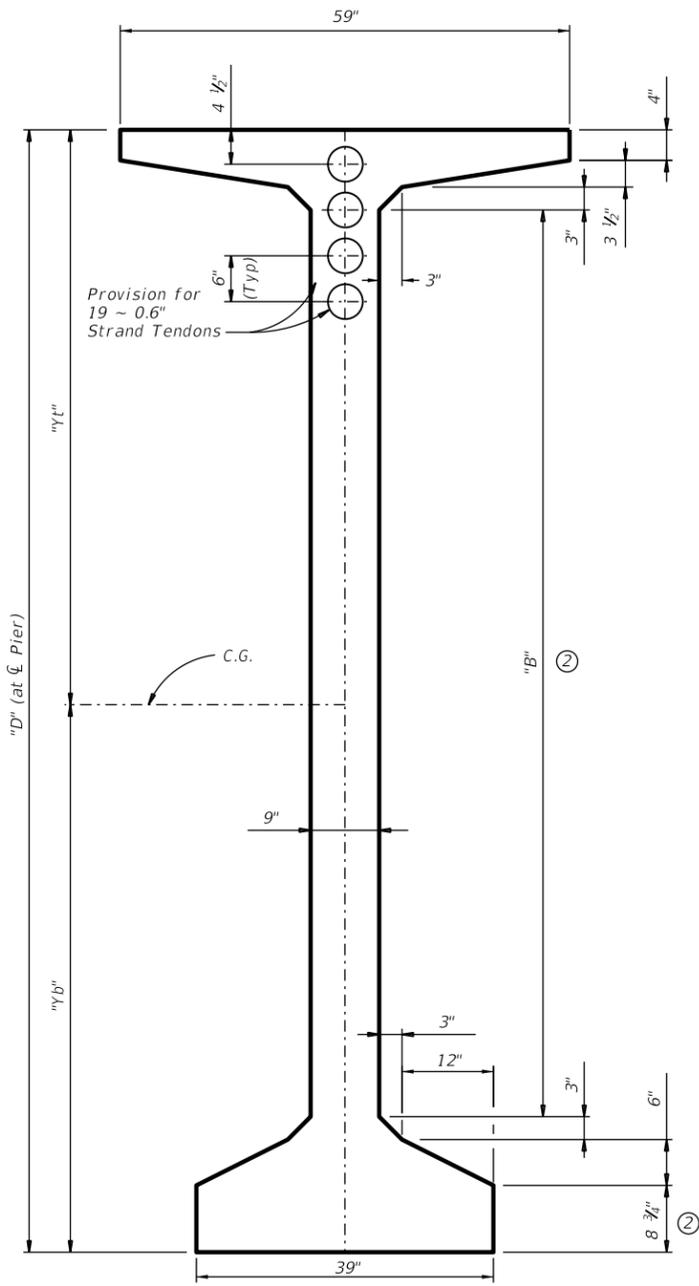


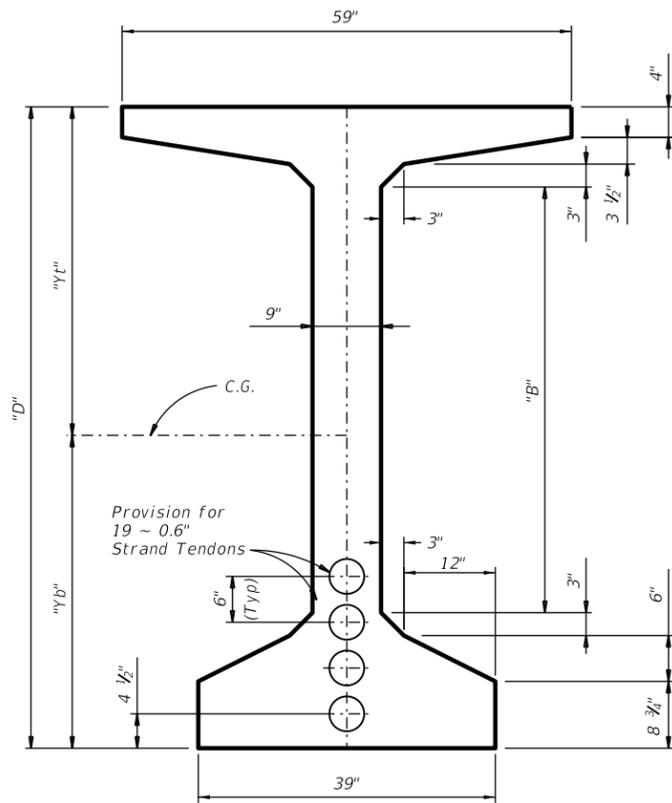
DISCLAIMER:  
The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its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

**GIRDER DIMENSIONS AND SECTION PROPERTIES**

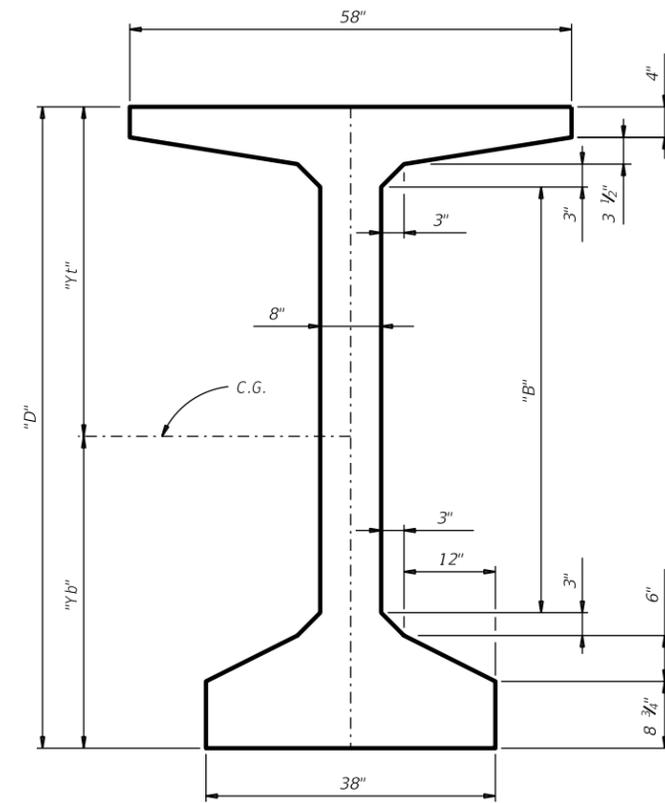
Girder Type	"D"	"B"	"y <sub>t</sub> "	"y <sub>b</sub> "	Area	"I <sub>x</sub> "	"I <sub>y</sub> "	Weight
	(in.)	(in.)	(in.)	(in.)	(in. <sup>2</sup> )	(in. <sup>4</sup> )	(in. <sup>4</sup> )	(plf)
Tx84	84	55.75	43.16	40.84	1,358	1,338,646	137,439	1,415
STx7	84	55.75	43.08	40.92	1,442	1,390,146	219,439	1,502
STx8	96	67.75	49.28	46.72	1,550	1,937,216	220,168	1,615
STx9	108	79.75	55.46	52.54	1,658	2,595,808	220,897	1,728
HSTx12 ②	147	118.75	75.41	71.59	2,009	5,600,633	223,267	2,093
HSTx14 ②	168	139.75	86.09	81.91	2,198	7,834,345	224,542	2,290
HSTx16 ②	192	163.75	98.26	93.74	2,414	10,983,036	226,000	2,515



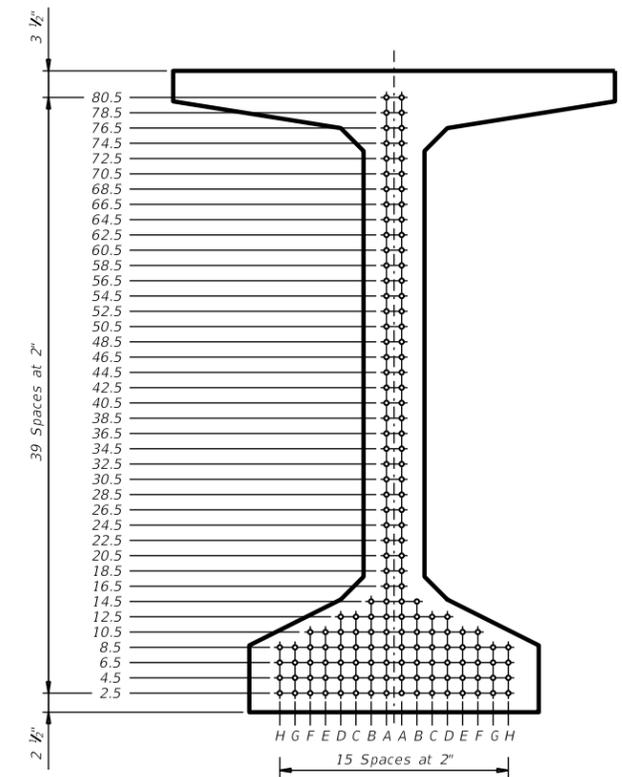
**Type HSTx12, HSTx14 & HSTx16 ③**  
(For spliced applications)



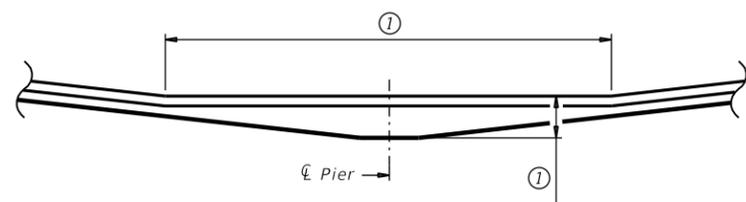
**Type STx7, STx8 & STx9 ③**  
(For spliced applications)



**Type Tx84**  
(Pretensioned, for non-spliced applications)



**Type Tx84**  
(Showing strand pattern)



**THICKENING ALLOWANCE**  
Formwork to allow for contingent usage of bottom flange thickening in variable depth section as shown.

- ① Dimension selected by Engineer.
- ② Adjust dimensions and section properties if Thickening Allowance is used.
- ③ Contact TxDOT Bridge Division for preliminary pretension strand patterns.

**GENERAL NOTES:**  
Designed according to AASHTO LRFD Bridge Design Specifications.

**PRELIMINARY**  
SUBJECT TO REVISION  
This document is released for informational purposes only, on 08/23/19. This sheet is to be used as a guide for project-specific details. It is not to be used for regulatory approval, permit, bidding, or construction purposes.

HL93 LOADING

Texas Department of Transportation  
Bridge Division

**LONG SPAN  
PRECAST I-GIRDER  
SECTIONS**

FILE: long span i-girder.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
REVISED: November 2013	CONT	SECT	JOB	HIGHWAY
Rev. 8/19 Webs/Flanges narrowed by 1" for spliced girders	DIST	COUNTY	SHEET NO.	

DATE:  
FILE: