



TYPICAL TRANSVERSE SECTION

TABLE OF SECTION DEPTHS				
Span No.	Girder No.	"X" at $\bar{\bar{C}}$ Brg	"Y" at $\bar{\bar{C}}$ Brg	"Z" at $\bar{\bar{C}}$ Span ①
1	1, 5	1'-0"	4'-10"	9 $\frac{3}{4}$ "
	2 - 4	1'-0"	4'-10"	9 $\frac{7}{8}$ "
2	1 & 5	1'-0 $\frac{3}{4}$ "	4'-10 $\frac{3}{4}$ "	9 $\frac{3}{4}$ "
	2 - 4	1'-0 $\frac{3}{4}$ "	4'-10 $\frac{3}{4}$ "	9 $\frac{7}{8}$ "
3	1, 5	1'-0"	4'-10"	9 $\frac{3}{4}$ "
	2 - 4	1'-0"	4'-10"	9 $\frac{7}{8}$ "

① Theoretical dimension

BAR TABLE	
BAR	SIZE
A	#4
D	#4
G	#4
H	#4
J	#4
M	#4
P	#4
T	#4
OA	#5

TABLE OF ESTIMATED QUANTITIES			
SPAN	REINF CONC SLAB	PRESTRESSED CONC GIRDERS	REINFORCING STEEL
		(TY 46) ③	
	SF	LF	Lb
1	3157	392.06	7261
2	3476	432.02	7995
3	3157	392.06	7261
Total	9790	1216.14	22517 ②

- ② Reinforcing steel weight is calculated using an approximate factor of 2.3 lbs per sq ft
- ③ Quantity shown are bottom girder flange lengths with adjustments made for girder slope

GENERAL NOTES:

Designed according to AASHTO LRFD Bridge Design Specifications, 6th Edition (2012)
 See PCP and PCP-FAB for panel details not shown
 See IGTS Standard for Thickened Slab End Details and quantity adjustments
 See IGMS Standard for miscellaneous details
 See Railing Standard for rail anchorage in slab
 See PMDF Standard for details and quantity adjustments if this option is used

Cover dimensions are clear dimensions, unless noted otherwise

MATERIAL NOTES

Provide Class 5 concrete ($f'c = 4000$ psi)
 Provide Grade 60 reinforcing steel
 Provide bar laps, where required, as follows:
 Uncoated - #4 = 1'-5"
 Deformed Welded Wire Reinforcement (WWR) (ASTM A1064) of equal size and spacing may be substituted for Bars A, D, OA, P or T unless noted otherwise. Provide the same laps as required for reinforcing bars

HL93 LOADING SHEET 2 OF 2



245.00' PRESTRESSED CONCRETE GIRDER UNIT (SPANS 1-3) SH 55 OVERPASS AT BUDDY DRIVE

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

DATE:

FILE: