

58.500

TABLE OF ESTIMATED QUANTITIES (1)

Bar	No.	Size	Len	gth	Weight		
Α	6	#11	58	3'- 0"	1,849		
B <sub>1</sub>	4	#11	56	5'- 6"	1,201		
B 2	9	#11	12	2'- 6"	598		
D (3)	4	#9	1	!'- 8"	23		
5	94	#5	13	3'- 8"	1,340		
T	10	#5	5έ	5'- 6"	589		
U	2	#5	9	9'- 8"	20		
V	40	#9	38	3'- 9"	5,270		
Z	4	#4	1,154'- 7"		3,085		
Reinforcing Steel				Lb	13,975		
Class "C" Concrete (Cap)				CY	26.4		
Class "C" Concrete (Col)				CY	37.7		

## FOUNDATION LOADS 4

Span Average	Drilled Shaft	Pile Load (Tons/Pile)				
	Loads	3 Pile	4 Pile	5 Pile Ftg		
Ft	Tons/Shaft	Ftg	Ftg			
40	110	40	31	25		
45	118	43	33	27		
50	126	45	35	28		
55	134	48	37	30		
60	142	51	39	32		
65	149	53	40	33		
70	157	56	42	35		
75	165	58	44	36		
80	172	61	46	38		
85	180	63	48	39		
90	187	66	50	41		
95	195	68	<i>52</i>	42		
100	203	71	54	44		
105	210	73	56	45		
110	218	76	58	47		
115	225	78	59	48		
120	233	81	61	50		

These bent details may be used with standard SIG-40-45 only.

Cover dimensions are clear dimensions, unless noted otherwise. Reinforcing bar dimensions shown are out-to-out of bar.

HL93 LOADING



Bridge Division Standard

INTERIOR BENTS TYPE TX28 THRU TX54 PRESTR CONC I-GIRDERS 45° SKEW

BIG-40-45

TLE: big48sts-17.dgn	DN: TA	ıR	CK: SDB	DW:	JTR		ck: TAR
CTxDOT August 2017	CONT	SECT	JOB			HIG	HWAY
REVISIONS							
	DIST	COUNTY		SHEET NO.			