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TABLES OF ESTIMATED QUANTITIES WITH 2:1 HEADER SLOPE ⁽¹³⁾

TYPE Tx28 Girders					TYPE Tx34 Girders					TYPE Tx40 Girders					TYPE Tx46 Girders					TYPE Tx54 Girders									
Bar	No.	Size	Length	Weight	Bar	No.	Size	Length	Weight	Bar	No.	Size	Length	Weight	Bar	No.	Size	Length	Weight	Bar	No.	Size	Length	Weight					
A	10	#11	43'-11"	2,333	A	10	#11	43'-11"	2,333	A	10	#11	43'-11"	2,333	A	10	#11	43'-11"	2,333	A	10	#11	43'-11"	2,333					
D ⁽⁷⁾	2	#9	1'-8"	11	D ⁽⁷⁾	2	#9	1'-8"	11	D ⁽⁷⁾	2	#9	1'-8"	11	D ⁽⁷⁾	2	#9	1'-8"	11	D ⁽⁷⁾	2	#9	1'-8"	11					
H	8	#6	43'-11"	528	H	8	#6	43'-11"	528	H	10	#6	43'-11"	660	H	10	#6	43'-11"	660	H	12	#6	43'-11"	792					
L1	9	#6	5'-11"	80	L1	9	#6	5'-11"	80	L1	9	#6	5'-11"	80	L1	9	#6	5'-11"	80	L1	9	#6	5'-11"	80					
L2	9	#6	5'-9"	78	L2	9	#6	5'-9"	78	L2	9	#6	5'-9"	78	L2	9	#6	5'-9"	78	L2	9	#6	5'-9"	78					
S	44	#5	11'-6"	528	S	44	#5	11'-6"	528	S	44	#5	11'-6"	528	S	44	#5	11'-6"	528	S	44	#5	11'-6"	528					
U	4	#6	11'-7"	70	U	4	#6	11'-7"	70	U	4	#6	11'-7"	70	U	4	#6	11'-7"	70	U	4	#6	11'-7"	70					
V	47	#5	11'-4"	556	V	47	#5	12'-4"	605	V	47	#5	13'-4"	654	V	47	#5	14'-4"	703	V	47	#5	15'-8"	768					
wH1	14	#6	11'-5"	240	wH1	14	#6	12'-5"	261	wH1	14	#6	13'-5"	282	wH1	14	#6	15'-5"	324	wH1	14	#6	16'-5"	345					
wH2	20	#6	9'-8"	290	wH2	20	#6	10'-8"	320	wH2	24	#6	11'-8"	421	wH2	24	#6	13'-8"	493	wH2	28	#6	14'-8"	617					
wS	22	#4	7'-10"	115	wS	24	#4	7'-10"	126	wS	26	#4	7'-10"	136	wS	30	#4	7'-10"	157	wS	32	#4	7'-10"	167					
wV	22	#5	11'-4"	260	wV	24	#5	12'-4"	309	wV	26	#5	13'-4"	362	wV	30	#5	14'-4"	448	wV	32	#5	15'-8"	523					
Reinforcing Steel				Lb	5,089	Reinforcing Steel				Lb	5,249	Reinforcing Steel				Lb	5,615	Reinforcing Steel				Lb	5,885	Reinforcing Steel				Lb	6,312
Class "C" Concrete				CY	25.7	Class "C" Concrete				CY	27.6	Class "C" Concrete				CY	29.6	Class "C" Concrete				CY	32.4	Class "C" Concrete				CY	35.0

TABLES OF ESTIMATED QUANTITIES WITH 3:1 HEADER SLOPE ⁽¹³⁾

TYPE Tx28 Girders					TYPE Tx34 Girders					TYPE Tx40 Girders					TYPE Tx46 Girders					TYPE Tx54 Girders									
Bar	No.	Size	Length	Weight	Bar	No.	Size	Length	Weight	Bar	No.	Size	Length	Weight	Bar	No.	Size	Length	Weight	Bar	No.	Size	Length	Weight					
A	10	#11	43'-11"	2,333	A	10	#11	43'-11"	2,333	A	10	#11	43'-11"	2,333	A	10	#11	43'-11"	2,333	A	10	#11	43'-11"	2,333					
D ⁽⁷⁾	2	#9	1'-8"	11	D ⁽⁷⁾	2	#9	1'-8"	11	D ⁽⁷⁾	2	#9	1'-8"	11	D ⁽⁷⁾	2	#9	1'-8"	11	D ⁽⁷⁾	2	#9	1'-8"	11					
H	8	#6	43'-11"	528	H	8	#6	43'-11"	528	H	10	#6	43'-11"	660	H	10	#6	43'-11"	660	H	12	#6	43'-11"	792					
L1	9	#6	5'-11"	80	L1	9	#6	5'-11"	80	L1	9	#6	5'-11"	80	L1	9	#6	5'-11"	80	L1	9	#6	5'-11"	80					
L2	9	#6	5'-9"	78	L2	9	#6	5'-9"	78	L2	9	#6	5'-9"	78	L2	9	#6	5'-9"	78	L2	9	#6	5'-9"	78					
S	44	#5	11'-6"	528	S	44	#5	11'-6"	528	S	44	#5	11'-6"	528	S	44	#5	11'-6"	528	S	44	#5	11'-6"	528					
U	4	#6	11'-7"	70	U	4	#6	11'-7"	70	U	4	#6	11'-7"	70	U	4	#6	11'-7"	70	U	4	#6	11'-7"	70					
V	47	#5	11'-4"	556	V	47	#5	12'-4"	605	V	47	#5	13'-4"	654	V	47	#5	14'-4"	703	V	47	#5	15'-8"	768					
wH1	14	#6	15'-5"	324	wH1	14	#6	17'-5"	366	wH1	14	#6	19'-5"	408	wH1	14	#6	21'-5"	450	wH1	14	#6	23'-5"	492					
wH2	20	#6	13'-8"	411	wH2	20	#6	15'-8"	471	wH2	24	#6	17'-8"	637	wH2	24	#6	19'-8"	709	wH2	28	#6	21'-8"	911					
wS	30	#4	7'-10"	157	wS	34	#4	7'-10"	178	wS	38	#4	7'-10"	199	wS	42	#4	7'-10"	220	wS	46	#4	7'-10"	241					
wV	30	#5	11'-4"	355	wV	34	#5	12'-4"	437	wV	38	#5	13'-4"	528	wV	42	#5	14'-4"	628	wV	46	#5	15'-8"	752					
Reinforcing Steel				Lb	5,431	Reinforcing Steel				Lb	5,685	Reinforcing Steel				Lb	6,186	Reinforcing Steel				Lb	6,470	Reinforcing Steel				Lb	7,056
Class "C" Concrete				CY	28.3	Class "C" Concrete				CY	31.0	Class "C" Concrete				CY	33.9	Class "C" Concrete				CY	36.9	Class "C" Concrete				CY	40.6

⁽⁷⁾ Omit Dowels D at end of multi-span unit. Adjust reinforcing steel total accordingly.

⁽¹³⁾ Quantities shown are for one abutment only (with approach slab). With no approach slab, add 1.8 CY Class "C" concrete and 264 lbs reinforcing steel for 4 additional Bars H.

Texas Department of Transportation				Bridge Division Standard	
<h2 style="margin: 0;">ABUTMENTS</h2> <h3 style="margin: 0;">TYPE TX28 THRU TX54</h3> <h3 style="margin: 0;">PRESTR CONC I-GIRDERS</h3> <h3 style="margin: 0;">40' ROADWAY 30° SKEW</h3> <h2 style="margin: 0;">AIG-40-30</h2>					
FILE: IG-AIG4030-17.dgn	DN: TAR	CK: KCM	DW: JTR	CK: TAR	
TxDOT August 2017		CONT	SECT	JOB	HIGHWAY
REVISIONS		DIST	COUNTY		SHEET NO.