

SPAN (ft)	DESIGN WIND HEIGHT TO C TRUSS (ft)	MAXIMUM DRILLED SHAFT AXIAL LOAD (kips)	MAXIMUM DRILLED SHAFT MOMENT (k-ft)	DRILLED SHAFT DIAMETER (in)	DRILLED SHAFT EMBEDMENT LENGTH (ft)			
					AVERAGE N (BLOWS/12")			
					10	20	30	40
40	15	71	51	36	24	14	10	9
	20	89	83	36	30	16	12	10
	25	108	122	36	36	19	14	13
	30	128	171	36	42	22	16	15
	35	149	228	36	48	26	18	18
	40	172	294	36	55	29	20	20
	45	195	369	36	62	33	23	23
50	219	454	36	69	36	25	25	
50	15	77	51	36	26	15	11	9
	20	96	83	36	32	18	13	10
	25	117	122	36	39	21	15	13
	30	140	171	36	45	24	17	15
	35	163	228	36	52	28	19	18
	40	187	294	36	60	31	22	20
	45	212	369	36	67	35	24	23
50	239	454	36	75	39	27	25	
60	15	82	51	36	28	15	11	9
	20	104	83	36	34	19	13	11
	25	126	122	36	41	22	16	13
	30	150	171	36	48	26	18	15
	35	175	228	36	56	30	21	18
	40	201	294	36	64	33	23	20
	45	228	369	36	72	38	26	23
50	257	454	36	81	42	29	25	
70	15	87	51	36	30	16	12	10
	20	111	83	36	37	20	14	11
	25	135	122	36	44	23	17	13
	30	160	171	36	52	27	19	15
	35	187	228	36	60	31	22	18
	40	215	294	36	68	36	25	20
	45	244	369	36	77	40	28	23
50	256	454	42	69	36	25	25	
80	15	93	51	36	31	17	12	10
	20	118	83	36	39	21	15	12
	25	144	122	36	47	25	18	14
	30	171	171	36	55	29	20	16
	35	199	228	36	63	33	23	18
	40	229	294	36	73	38	26	20
	45	260	369	36	82	42	29	23
50	271	454	42	73	38	26	25	
90	15	98	51	36	33	18	13	10
	20	125	83	36	41	22	16	12
	25	152	122	36	49	26	18	15
	30	182	171	36	58	31	21	17
	35	212	228	36	67	35	24	19
	40	243	294	36	77	40	28	21
	45	256	369	42	70	36	25	23
50	287	454	42	78	40	28	25	

SPAN (ft)	DESIGN WIND HEIGHT TO C TRUSS (ft)	MAXIMUM DRILLED SHAFT AXIAL LOAD (kips)	MAXIMUM DRILLED SHAFT MOMENT (k-ft)	DRILLED SHAFT DIAMETER (in)	DRILLED SHAFT EMBEDMENT LENGTH (ft)			
					AVERAGE N (BLOWS/12")			
					10	20	30	40
100	15	109	55	36	36	20	14	11
	20	138	89	36	45	24	17	13
	25	169	132	36	54	29	20	16
	30	201	183	36	64	34	23	18
	35	235	244	36	74	39	27	21
	40	270	315	36	85	44	30	23
	45	283	395	42	76	40	27	23
50	297	485	48	71	37	26	25	
110	15	115	55	36	38	20	15	12
	20	146	89	36	47	25	18	14
	25	178	132	36	57	30	21	17
	30	213	183	36	67	35	24	19
	35	248	244	36	78	41	28	22
	40	263	315	42	71	37	26	20
	45	280	395	48	67	35	24	23
50	312	485	48	74	38	27	25	
120	15	121	55	36	40	21	15	12
	20	154	89	36	50	26	19	15
	25	188	132	36	60	31	22	17
	30	224	183	36	71	37	26	20
	35	261	244	36	82	43	29	23
	40	276	315	42	75	39	27	21
	45	293	395	48	70	36	25	23
50	326	485	48	77	40	28	25	
130	15	127	55	36	42	22	16	13
	20	162	89	36	52	28	19	15
	25	198	132	36	63	33	23	18
	30	236	183	36	74	39	27	21
	35	254	244	42	69	36	25	19
	40	290	315	42	78	41	28	22
	45	306	395	48	73	38	26	23
50	324	485	54	68	36	25	25	
140	15	136	60	36	44	24	17	13
	20	172	96	36	55	29	20	16
	25	211	141	36	67	35	24	19
	30	251	196	36	79	41	28	22
	35	269	261	42	73	38	26	20
	40	288	336	48	69	36	25	20
	45	308	421	54	65	34	24	23
50	342	516	54	72	38	26	25	

DESIGNER NOTE:
THIS SHEET IS FOR DESIGNER'S USE
IN DETERMINING DRILLED SHAFT DIAMETER,
LOADS AND EMBEDMENT. DO NOT INSERT
INTO PLANSET.



OVERHEAD SIGN BRIDGE
FOUNDATION DATA AND
EMBEDMENT SELECTION
TABLE
WAVE SCHEME
OSB-WS

FILE#	STDN39.DGN	DN#	HOU	CK#	HOU	DW#	HOU	CK#	HOU
©TXDOT	AUGUST 2011	DISTRICT	FED REG	PROJECT NO.		SHEET			
REVISIONS		HOUSTON	6						
		COUNTY	CONTROL	SECT	JOB	HIGHWAY			

FOUNDATION DATA AND EMBEDMENT LENGTH TABLE