TABLE OF ESTIMATED FOOTING QUANTITIES (FOR ONE FOOTING)
36" DRILLED SHAFTS

BARS	NO.	SIZE	LENGTH	WEIGHT
D	12	#11	11′-2"	712
K	6	# 6	11′-2"	101
T3	23	# 5	15′-7"	374
✳ REINFORCING STEEL			LBS	1,187
TEMPORARY SPECIAL SHORING			SF	241
CL C CONC(SIGN FOOTING)			CY	7.5
RIPRAP CONC (4IN)			CY	0.9

TABLE OF ESTIMATED FOOTING QUANTITIES (FOR ONE FOOTING)
42" DRILLED SHAFTS

BARS	NO.	SIZE	LENGTH	WEIGHT
D	12	#11	12′-11"	824
K	6	# 6	12′-11"	116
T3	27	# 5	16′-7"	467
✳ REINFORCING STEEL			LBS	1,407
TEMPORARY SPECIAL SHORING			SF	269
CL C CONC(SIGN FOOTING)			CY	9.8
RIPRAP CONC (4IN)			CY	1.1

TABLE OF ESTIMATED FOOTING QUANTITIES (FOR ONE FOOTING)
48" DRILLED SHAFTS

BARS	NO.	SIZE	LENGTH	WEIGHT
D	12	#11	14′-8"	935
K	6	# 6	14′-8"	132
T3	30	# 5	17′-7"	550
✳ REINFORCING STEEL			LBS	1,617
TEMPORARY SPECIAL SHORING			SF	298
CL C CONC(SIGN FOOTING)			CY	12.5
RIPRAP CONC (4IN)			CY	1.4

TABLE OF ESTIMATED FOOTING QUANTITIES (FOR ONE FOOTING)
54" DRILLED SHAFTS

BARS	NO.	SIZE	LENGTH	WEIGHT
D	12	#11	16′-5"	1,047
K	6	# 6	16′-5"	148
T3	34	# 5	18′-7"	659
✳ REINFORCING STEEL			LBS	1,854
TEMPORARY SPECIAL SHORING			SF	326
CL C CONC(SIGN FOOTING)			CY	15.5
RIPRAP CONC (4IN)			CY	1.6

TABLE OF ESTIMATED FOOTING QUANTITIES (FOR ONE FOOTING)
60" DRILLED SHAFTS

BARS	NO.	SIZE	LENGTH	WEIGHT
D	12	#11	18′-2"	1,158
K	6	# 6	18′-2"	164
T3	37	# 5	19′-7"	756
✳ REINFORCING STEEL			LBS	2,078
TEMPORARY SPECIAL SHORING			SF	355
CL C CONC(SIGN FOOTING)			CY	18.8
RIPRAP CONC (4IN)			CY	1.9

✳ DOWEL BARS F ARE INCLUDED WITH SIGN COLUMN QUANTITIES

TABLE OF ESTIMATED COLUMN ① QUANTITIES (FOR ONE COLUMN)
4.5′ x 4.5′ TRUSS

BARS	NO.	SIZE	LENGTH	WEIGHT
A	12	#11	29′-10"	1,902
B	22	#11	24′-10"	2,903
E	20	# 9	8′-6"	578
F	34	#11	15′-6"	2,800
G	7	# 4	6′-0"	28
H	7	# 4	9′-11¼"	47
T1	66	# 5	6′-1¼"	422
T2	52	# 5	15′-6¼"	845
REINFORCING STEEL			LBS	9,521
CL C CONC(SIGN COLUMN)			CY	24.1

① QUANTITIES SHOWN ARE BASED ON A SIGN COLUMN HEIGHT OF 30′. FOR EACH LINEAR FOOT VARIATION IN HEIGHT MAKE THE FOLLOWING ADJUSTMENTS:

BARS A AND B LENGTH, 1′-0"
REINFORCING STEEL, 226 LB
CL C CONC(SIGN COLUMN), 0.87CY.

TABLE OF ESTIMATED COLUMN ② QUANTITIES (FOR ONE COLUMN)
5.0′ x 5.0′ TRUSS

BARS	NO.	SIZE	LENGTH	WEIGHT
A	12	#11	29′-10"	1,902
B	22	#11	24′-4"	2,844
E	20	# 9	9′-0"	612
F	34	#11	15′-6"	2,800
G	8	# 4	6′-0"	32
H	8	# 4	10′-5¼"	56
T1	66	# 5	5′-11½"	410
T2	50	# 5	16′-1"	842
REINFORCING STEEL			LBS	9,498
CL C CONC(SIGN COLUMN)			CY	25.0

② QUANTITIES SHOWN ARE BASED ON A SIGN COLUMN HEIGHT OF 30′. FOR EACH LINEAR FOOT VARIATION IN HEIGHT MAKE THE FOLLOWING ADJUSTMENTS:

BARS A AND B LENGTH, 1′-0"
REINFORCING STEEL, 226 LB
CL C CONC(SIGN COLUMN), 0.91 CY.

TABLE OF ESTIMATED COLUMN ③ QUANTITIES (FOR ONE COLUMN)
5.5′ x 5.5′ TRUSS

BARS	NO.	SIZE	LENGTH	WEIGHT
A	12	#11	29′-10"	1,902
B	22	#11	23′-10"	2,786
E	20	# 9	9′-6"	646
F	34	#11	15′-6"	2,800
G	8	# 4	6′-0"	32
H	8	# 4	10′-11¼"	59
T1	66	# 5	5′-9½"	398
T2	50	# 5	16′-8¼"	873
REINFORCING STEEL			LBS	9,495
CL C CONC(SIGN COLUMN)			CY	25.8

③ QUANTITIES SHOWN ARE BASED ON A SIGN COLUMN HEIGHT OF 30′. FOR EACH LINEAR FOOT VARIATION IN HEIGHT MAKE THE FOLLOWING ADJUSTMENTS:

BARS A AND B LENGTH, 1′-0"
REINFORCING STEEL, 226 LB
CL C CONC(SIGN COLUMN), 0.95 CY.

TABLE OF ESTIMATED COLUMN ④ QUANTITIES (FOR ONE COLUMN)
6.0 x 6.0′ TRUSS

BARS	NO.	SIZE	LENGTH	WEIGHT
A	12	#11	29′-10"	1,902
B	26	#11	23′-4"	3,223
E	22	# 9	10′-0"	748
F	38	#11	15′-6"	3,129
G	9	# 4	6′-0"	36
H	9	# 4	11′-6½"	69
T1	66	# 5	5′-7¼"	386
T2	48	# 5	16′-11¾	848
REINFORCING STEEL			LBS	10,341
CL C CONC(SIGN COLUMN)			CY	26.5

④ QUANTITIES SHOWN ARE BASED ON A SIGN COLUMN HEIGHT OF 30′. FOR EACH LINEAR FOOT VARIATION IN HEIGHT MAKE THE FOLLOWING ADJUSTMENTS:

BARS A AND B LENGTH, 1′-0"
REINFORCING STEEL, 238 LB
CL C CONC(SIGN COLUMN), 0.99 CY.

TABLE OF ESTIMATED COLUMN ⑤ QUANTITIES (FOR ONE COLUMN)
6.5′ x 6.5′ TRUSS

BARS	NO.	SIZE	LENGTH	WEIGHT
A	12	#11	29′-10"	1,902
B	26	#11	22′-10"	3,154
E	22	# 9	10′-6"	785
F	38	#11	15′-6"	3,129
G	9	# 4	6′-0"	36
H	9	# 4	12′-0¾"	72
T1	66	# 5	5′-6"	379
T2	48	# 5	17′-5¾"	874
REINFORCING STEEL			LBS	10,331
CL C CONC(SIGN COLUMN)			CY	27.2

⑤ QUANTITIES SHOWN ARE BASED ON A SIGN COLUMN HEIGHT OF 30′. FOR EACH LINEAR FOOT VARIATION IN HEIGHT MAKE THE FOLLOWING ADJUSTMENTS:

BARS A AND B LENGTH, 1′-0"
REINFORCING STEEL, 238 LB
CL C CONC(SIGN COLUMN), 1.03 CY.

TABLE OF ESTIMATED COLUMN ⑥ QUANTITIES (FOR ONE COLUMN)
7.0′ x 7.0′ TRUSS

BARS	NO.	SIZE	LENGTH	WEIGHT
A	12	#11	29′-10"	1,902
B	30	#11	22′-4"	3,559
E	24	# 9	11′-0"	898
F	42	#11	15′-6"	3,459
G	10	# 4	6′-0"	40
H	10	# 4	12′-6¼"	84
T1	66	# 5	5′-3½"	365
T2	46	# 5	17′-8½"	849
REINFORCING STEEL			LBS	11,154
CL C CONC(SIGN COLUMN)			CY	27.7

⑥ QUANTITIES SHOWN ARE BASED ON A SIGN COLUMN HEIGHT OF 30′. FOR EACH LINEAR FOOT VARIATION IN HEIGHT MAKE THE FOLLOWING ADJUSTMENTS:

BARS A AND B LENGTH, 1′-0"
REINFORCING STEEL, 271 LB
CL C CONC(SIGN COLUMN), 1.06 CY.

TABLE OF ESTIMATED COLUMN ⑦ QUANTITIES (FOR ONE COLUMN)
7.5′ x 7.5′ TRUSS

BARS	NO.	SIZE	LENGTH	WEIGHT
A	12	#11	29′-10"	1,902
B	30	#11	21′-10"	3,480
E	24	# 9	11′-6"	938
F	42	#11	15′-6"	3,459
G	10	# 4	6′-0"	40
H	10	# 4	13′-0¼"	87
T1	66	# 5	5′-1¾"	351
T2	44	# 5	18′-2"	836
REINFORCING STEEL			LBS	11,092
CL C CONC(SIGN COLUMN)			CY	28.2

⑦ QUANTITIES SHOWN ARE BASED ON A SIGN COLUMN HEIGHT OF 30′. FOR EACH LINEAR FOOT VARIATION IN HEIGHT MAKE THE FOLLOWING ADJUSTMENTS:

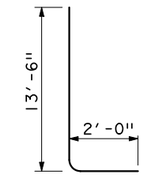
BARS A AND B LENGTH, 1′-0"
REINFORCING STEEL, 271 LB
CL C CONC(SIGN COLUMN), 1.09 CY.

TABLE OF ESTIMATED COLUMN ⑧ QUANTITIES (FOR ONE COLUMN)
8.0′ x 8.0′ TRUSS

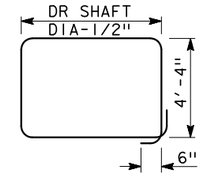
BARS	NO.	SIZE	LENGTH	WEIGHT
A	12	#11	29′-10"	1,902
B	30	#11	21′-4"	3,400
E	24	# 9	12′-0′	979
F	42	#11	15′-6"	3,459
G	11	# 4	6′-0"	44
H	11	# 4	13′-6¼"	100
T1	66	# 5	4′-10½"	336
T2	44	# 5	18′-8¼"	819
REINFORCING STEEL			LBS	11,079
CL C CONC(SIGN COLUMN)			CY	28.7

⑧ QUANTITIES SHOWN ARE BASED ON A SIGN COLUMN HEIGHT OF 30′. FOR EACH LINEAR FOOT VARIATION IN HEIGHT MAKE THE FOLLOWING ADJUSTMENTS:

BARS A AND B LENGTH, 1′-0"
REINFORCING STEEL, 271 LB
CL C CONC(SIGN COLUMN), 1.12 CY.



BAR F (#11)



BAR T3 (#5)

NOTE:
See Sheet 3 of 4 for Bars H, T1 and T2 details.

Texas Department of Transportation
Houston District Bridge
Green Ribbon Project

OVERHEAD SIGN BRIDGE COLUMN DETAILS
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

STDN39D