

SCHEDULE OF DIMENSIONS																											
DESIGN INFORMATION				STRUCTURAL PIPE					SPLICE PLATE						BASE PLATE						DRILLED SHAFT			ANCHOR PLATE TEMPLATE			
DESIGN NO.	SPAN	MAXIMUM SIGN COVERAGE OF SPAN	MAXIMUM SIGN AREA	BEND RADIUS	PIPE DIAMETER	POST WALL THICKNESS	MAST ARM WALL THICKNESS	CAMBER	DIAMETER	THICKNESS	BOLT CIRCLE DIAMETER	NUMBER OF BOLTS	BOLT DIAMETER	BOLT HOLE DIAMETER	DIAMETER	THICKNESS	BOLT CIRCLE DIAMETER	NUMBER OF BOLTS	BOLT DIAMETER	BOLT HOLE DIAMETER	DRILLED SHAFT DIAMETER	EMBEDMENT DEPTH	VERTICAL REINF.	DIAMETER	BOLT CIRCLE DIAMETER	BOLT DIAMETER	BOLT HOLE DIAMETER
B1	40'	40%	320 FT ²	8'-0"	24"	3⁄8"	3⁄8"	7⁄8"	3'-0"	2"	2'-6"	16	7⁄8"	1"	3'-0"	2"	2'-6"	12	1¼"	13⁄8"	4'-0"	21'-0"	19 - #9	2'-11"	2'-6"	1¼"	13⁄8"
B2	40'	60%	480 FT ²	8'-0"	24"	3⁄8"	3⁄8"	7⁄8"	3'-0"	2"	2'-6"	16	7⁄8"	1"	3'-0"	2"	2'-6"	14	1¼"	13⁄8"	4'-0"	26'-0"	19 - #9	2'-11"	2'-6"	1¼"	13⁄8"
B3	50'	40%	400 FT ²	8'-0"	24"	3⁄8"	3⁄8"	1"	3'-0"	2"	2'-6"	16	7⁄8"	1"	3'-0"	2"	2'-6"	12	1¼"	13⁄8"	4'-0"	23'-0"	19 - #9	2'-11"	2'-6"	1¼"	13⁄8"
B4	50'	60%	600 FT ²	8'-0"	24"	1⁄2"	3⁄8"	1"	3'-0"	2"	2'-6"	20	7⁄8"	1"	3'-0"	2"	2'-6"	16	1¼"	13⁄8"	4'-0"	26'-0"	19 - #9	2'-11"	2'-6"	1¼"	13⁄8"
B5	60'	40%	480 FT ²	8'-0"	24"	3⁄8"	3⁄8"	1¼"	3'-0"	2"	2'-6"	16	7⁄8"	1"	3'-0"	2"	2'-6"	14	1¼"	13⁄8"	4'-0"	25'-0"	19 - #9	2'-11"	2'-6"	1¼"	13⁄8"
B6	60'	60%	720 FT ²	8'-0"	24"	1⁄2"	3⁄8"	1⅛"	3'-0"	2"	2'-6"	16	7⁄8"	1"	3'-0"	2"	2'-6"	16	1¼"	13⁄8"	4'-0"	28'-0"	19 - #9	2'-11"	2'-6"	1¼"	13⁄8"
B7	60'	75%	900 FT ²	8'-0"	24"	5⁄8"	3⁄8"	1⅛"	3'-0"	2"	2'-6"	16	7⁄8"	1"	3'-0"	2"	2'-6"	20	1¼"	13⁄8"	4'-0"	31'-0"	19 - #9	2'-11"	2'-6"	1¼"	13⁄8"
B8	70'	40%	560 FT ²	8'-0"	24"	1⁄2"	3⁄8"	13⁄8"	3'-0"	2"	2'-6"	16	7⁄8"	1"	3'-0"	2"	2'-6"	14	1¼"	13⁄8"	4'-0"	26'-0"	19 - #9	2'-11"	2'-6"	1¼"	13⁄8"
B9	70'	60%	840 FT ²	8'-0"	24"	5⁄8"	3⁄8"	13⁄8"	3'-0"	2"	2'-6"	16	7⁄8"	1"	3'-0"	2"	2'-6"	20	1¼"	13⁄8"	4'-0"	30'-0"	19 - #9	2'-11"	2'-6"	1¼"	13⁄8"
B10	70'	75%	1,050 FT ²	8'-0"	24"	3⁄4"	3⁄8"	13⁄8"	3'-0"	2"	2'-6"	16	7⁄8"	1"	3'-0"	2¼"	2'-6"	16	1½"	15⁄8"	4'-0"	33'-0"	19 - #9	2'-11"	2'-6"	1½"	15⁄8"
B11	80'	40%	640 FT ²	8'-0"	24"	1⁄2"	3⁄8"	15⁄8"	3'-0"	2"	2'-6"	16	7⁄8"	1"	3'-0"	2"	2'-6"	16	1¼"	13⁄8"	4'-0"	27'-0"	19 - #9	2'-11"	2'-6"	1¼"	13⁄8"
B12	80'	60%	960 FT ²	8'-0"	24"	5⁄8"	3⁄8"	15⁄8"	3'-0"	2"	2'-6"	16	1"	1⅛"	3'-0"	2"	2'-6"	20	1¼"	13⁄8"	4'-0"	31'-0"	19 - #9	2'-11"	2'-6"	1¼"	13⁄8"
B13	80'	80%	1,280 FT ²	10'-0"	30"	1⁄2"	3⁄8"	1½"	3'-8"	2"	3'-2"	20	7⁄8"	1"	3'-8"	2"	3'-2"	16	1½"	15⁄8"	4'-6"	35'-0"	19 - #10	3'-7"	3'-2"	1½"	15⁄8"
B14	90'	40%	720 FT ²	8'-0"	24"	5⁄8"	3⁄8"	2"	3'-0"	2"	2'-6"	16	1"	1⅛"	3'-0"	2"	2'-6"	20	1¼"	13⁄8"	4'-0"	29'-0"	19 - #9	2'-11"	2'-6"	1¼"	13⁄8"
B15	90'	60%	1,080 FT ²	8'-0"	24"	3⁄4"	3⁄8"	2"	3'-0"	2"	2'-6"	16	1"	1⅛"	3'-0"	2¼"	2'-6"	20	1½"	15⁄8"	4'-0"	34'-0"	19 - #9	2'-11"	2'-6"	1½"	15⁄8"
B16	90'	80%	1,440 FT ²	10'-0"	30"	5⁄8"	3⁄8"	1¾"	3'-8"	2"	3'-2"	20	7⁄8"	1"	3'-8"	2¼"	3'-2"	20	1½"	15⁄8"	4'-6"	37'-0"	19 - #10	3'-7"	3'-2"	1½"	15⁄8"
B17	100'	40%	800 FT ²	10'-0"	30"	3⁄8"	3⁄8"	2⅛"	3'-8"	2"	3'-2"	20	7⁄8"	1"	3'-8"	2"	3'-2"	16	1¼"	13⁄8"	4'-6"	30'-0"	19 - #10	3'-7"	3'-2"	1¼"	13⁄8"
B18	100'	60%	1,200 FT ²	10'-0"	30"	1⁄2"	3⁄8"	2⅛"	3'-8"	2"	3'-2"	20	1"	1⅛"	3'-8"	2¼"	3'-2"	18	1½"	15⁄8"	4'-6"	35'-0"	19 - #10	3'-7"	3'-2"	1½"	15⁄8"
B19	100'	80%	1,600 FT ²	10'-0"	36"	1⁄2"	3⁄8"	17⁄8"	4'-3"	2"	3'-9"	20	1"	1⅛"	4'-3"	2¼"	3'-9"	16	1¾"	17⁄8"	5'-0"	38'-0"	24 - #10	4'-2"	3'-9"	1¾"	17⁄8"
B20	110'	40%	880 FT ²	10'-0"	30"	1⁄2"	3⁄8"	23⁄8"	3'-8"	2"	3'-2"	20	1"	1⅛"	3'-8"	2"	3'-2"	14	1½"	15⁄8"	4'-6"	33'-0"	19 - #10	3'-7"	3'-2"	1½"	15⁄8"
B21	110'	60%	1,320 FT ²	10'-0"	30"	5⁄8"	3⁄8"	23⁄8"	3'-8"	2"	3'-2"	20	1"	1⅛"	3'-8"	2¼"	3'-2"	20	1½"	15⁄8"	4'-6"	37'-0"	19 - #10	3'-7"	3'-2"	1½"	15⁄8"
B22	110'	80%	1,760 FT ²	10'-0"	36"	1⁄2"	3⁄8"	2¼"	4'-3"	2"	3'-9"	24	7⁄8"	1"	4'-3"	2¼"	3'-9"	22	1½"	15⁄8"	5'-0"	40'-0"	24 - #10	4'-2"	3'-9"	1½"	15⁄8"
B23	120'	40%	960 FT ²	10'-0"	30"	1⁄2"	3⁄8"	27⁄8"	3'-8"	2"	3'-2"	20	1"	1⅛"	3'-8"	2"	3'-2"	16	1½"	15⁄8"	4'-6"	34'-0"	19 - #10	3'-7"	3'-2"	1½"	15⁄8"
B24	120'	60%	1,440 FT ²	10'-0"	30"	5⁄8"	3⁄8"	27⁄8"	3'-8"	2"	3'-2"	24	1"	1⅛"	3'-8"	2¼"	3'-2"	22	1½"	15⁄8"	5'-0"	38'-0"	24 - #10	3'-7"	3'-2"	1½"	15⁄8"
B25	120'	80%	1,920 FT ²	10'-0"	36"	3⁄4"	3⁄8"	2½"	4'-3"	2"	3'-9"	24	1"	1⅛"	4'-3"	2½"	3'-9"	24	2"	2⅛"	5'-0"	42'-0"	24 - #10	4'-2"	3'-9"	2"	2⅛"

SCHEDULE OF PAYMENT		
DESIGN NO.	MONOTUBE PAY ITEM	DRILLED SHAFT PAY ITEM
B1	MONOTUBE B1	DRILLED SHAFTS 48" DIAMETER
B2	MONOTUBE B2	DRILLED SHAFTS 48" DIAMETER
B3	MONOTUBE B3	DRILLED SHAFTS 48" DIAMETER
B4	MONOTUBE B4	DRILLED SHAFTS 48" DIAMETER
B5	MONOTUBE B5	DRILLED SHAFTS 48" DIAMETER
B6	MONOTUBE B6	DRILLED SHAFTS 48" DIAMETER
B7	MONOTUBE B7	DRILLED SHAFTS 48" DIAMETER
B8	MONOTUBE B8	DRILLED SHAFTS 48" DIAMETER
B9	MONOTUBE B9	DRILLED SHAFTS 48" DIAMETER
B10	MONOTUBE B10	DRILLED SHAFTS 48" DIAMETER
B11	MONOTUBE B11	DRILLED SHAFTS 48" DIAMETER
B12	MONOTUBE B12	DRILLED SHAFTS 48" DIAMETER
B13	MONOTUBE B13	DRILLED SHAFTS 54" DIAMETER

SCHEDULE OF PAYMENT CONT'D.		
DESIGN NO.	MONOTUBE PAY ITEM	DRILLED SHAFT PAY ITEM
B14	MONOTUBE B14	DRILLED SHAFTS 48" DIAMETER
B15	MONOTUBE B15	DRILLED SHAFTS 48" DIAMETER
B16	MONOTUBE B16	DRILLED SHAFTS 54" DIAMETER
B17	MONOTUBE B17	DRILLED SHAFTS 54" DIAMETER
B18	MONOTUBE B18	DRILLED SHAFTS 54" DIAMETER
B19	MONOTUBE B19	DRILLED SHAFTS 60" DIAMETER
B20	MONOTUBE B20	DRILLED SHAFTS 54" DIAMETER
B21	MONOTUBE B21	DRILLED SHAFTS 54" DIAMETER
B22	MONOTUBE B22	DRILLED SHAFTS 60" DIAMETER
B23	MONOTUBE B23	DRILLED SHAFTS 54" DIAMETER
B24	MONOTUBE B24	DRILLED SHAFTS 60" DIAMETER
B25	MONOTUBE B25	DRILLED SHAFTS 60" DIAMETER



TRAFFIC ENGINEERING DIVISION STANDARD
OVERHEAD MONOTUBE SIGN STRUCTURE
SPAN TABLE

OKLAHOMA
Transportation

APPROVED BY TRAFFIC ENGINEERING DIVISION
AND BRIDGE DIVISION ON 8/4/2025

2019 SPECIFICATIONS

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