ALUMINUM ALLOY STRUCTURAL PLATE PIPE-ARCH

SPAN	RISE	H	R	S	SINGLE PIPE		DOUBLE PIPE		TRIPLE PIPE	
					G	CU.YDS. CONC. 2 ANCHORS	G	m^3 CONC., 2 ANCHORS	G	m^3 CONC., 2 ANCHORS
6'-7	5'-8	5'-0	4'-0	10'-4	8'-0	4.2	18'-4	10.3	28'-8	16.4
6'-11	5'-9	5'-0	4'-2	10'-10	8'-4	4.3	19'-2	10.7	30'-0	17.1
7'-3	5'-11	5'-0	4'-4	11'-4	8'-8	4.4	20'-0	11.1	31'-4	17.7
7'-9	6'-0	5'-0	4'-7	12'-1	9'-2	4.8	21'-3	11.9	33'-4	19.1
8'-1	6'-1	5'-0	4'-9	12'-6	9'-6	4.9	22'-0	12.2	34'-6	19.6
8'-5	6'-3	5'-2	4'-11	12'-10	9'-10	5.0	22'-8	12.6	35'-6	20.1
8'-10	6'-4	5'-2	5'-1½	13'-3	10'-3	5.3	23'-6	13.2	36'-9	21.1
9'-3	6'-5	5'-2	5'-4	13'-8	10'-8	5.5	24'-4	13.5	38'-0	21.6
9'-7	6'-6	5'-2	5'-6	14'-0	11'-0	5.6	25'-0	13.7	39'-0	21.9
9'-11	6'-8	5'-2	5'-8	14'-4	11'-4	5.7	25'-8	13.9	40'-0	22.2
10'-3	6'-9	5'-2	5'-10	14'-8	11'-8	5.8	26'-4	14.1	41'-0	22.4
10'-9	6'-10	5'-5	6'-1	15'-2	12'-2	6.3	27'-4	15.2	42'-6	24.2
11'-1	7'-0	5'-5	6'-3	15'-6	12'-6	6.4	28'-0	15.4	43'-6	24.4
11'-5	7'-1	5'-5	6'-5	15'-10	12'-10	6.4	28'-8	15.5	44'-6	24.6
11'-9	7'-2	5'-5	6'-7	16'-2	13'-2	6.5	29'-4	15.7	45'-6	24.8
12'-3	7'-3	5'-6	6'-10	16'-8	13'-8	7.1	30'-4	16.8	47'-0	26.6
12'-7	7'-5	5'-6	7'-0	17'-0	14'-0	7.1	31'-0	16.9	48'-0	26.8
12'-11	7'-6	5'-6	7'-2	17'-4	14'-4	7.2	31'-8	17.1	49'-0	26.9
13'-1	8'-2	5'-6	7'-3	17'-6	14'-6	7.7	32'-0	18.1	49'-6	28.5
13'-1	8'-4	5'-6	7'-3	17'-6	14'-6	7.2	32'-0	17.1	49'-6	26.9
13'-11	8'-5	5'-9	7'-8	18'-4	15'-4	8.5	33-8	19.7	52'-0	31.0
14'-0	8'-7	5'-9	7'-8½	18'-5	15'-5	7.9	33'-10	18.7	52'-3	29.4
13'-11	9'-5	5'-9	7'-8	18'-4	15'-4	8.2	33'-8	19.2	52'-0	30.2
14'-3	9'-7	5'-9	7'-10	18'-8	15'-8	8.3	34'-4	19.4	53'-0	30.5
14'-8	9'-8	5'-9	8'-0½	19'-1	16'-1	8.6	35'-2	20.1	54'-3	31.5
14'-11	9'-10	5'-9	8'-2	19'-4	16'-4	8.7	35'-8	20.2	55'-0	31.7
15'-4	10'-0	6'-0	8'-4½	19'-9	16'-9	9.1	36'-6	21.1	56'-3	33.1
15'-7	10'-2	6'-0	8'-6	20'-0	17'-0	9.1	37'-0	21.2	57'-0	33.2
16'-1	10'-4	6'-0	8'-9	20'-6	17'-6	9.6	38'-0	22.1	58'-6	34.5
16'-4	10'-6	6'-0	8'-10½	20'-9	17'-9	9.6	38'-6	22.1	59'-3	34.6
16'-9	10'-8	6'-0	9'-1	21'-2	18'-2	10.0	39'-4	22.9	60'-6	35.8
17'-0	10'-10	6'-0	9'-2½	21'-5	18'-5	10.0	39'-10	22.9	61'-3	35.9
17'-3	11'-0	6'-0	9'-4	21'-8	18'-8	10.0	40'-4	23.0	62'-0	35.9
17'-9	11'-2	6'-0	9'-7	22'-2	19'-2	10.5	41'-4	24.1	63'-6	37.7
18'-0	11'-4	6'-3	9'-8½"	22'-5	19'-5	10.6	41'-10	24.3	64'-3	38.0
18'-5	11'-6	6'-3	9'-11	22'-10	19'-10	11.0	42'-8	25.2	65'-6	39.5
18'-8	11'-8	6'-3	10'-0½"	23'-1	20'-1	11.0	43'-2	25.2	66'-3	39.4
19'-2	11'-9	6'-3	10'-3½"	23'-7	20'-7	11.5	44'-2	26.1	67'-9	40.7
19'-5	11'-11	6'-3	10'-5	23'-10	20'-10	11.5	44'-8	26.2	68'-6	40.9
19'-10	12'-1	6'-3	10'-7½"	24'-3	21'-3	12.0	45'-6	27.2	69'-9	42.5
20'-1	12'-3	6'-3	10'-9	24'-6	21'-6	12.0	46'-0	27.1	70'-6	42.3
20'-1	12'-6	6'-3	10'-9	24'-6	21'-6	11.4	46'-0	25.8	70'-6	40.1
20'-10	12'-7	6'-6	11'-1½"	25'-3	22'-3	12.5	47'-6	28.3	72'-9	44.0
21'-1	12'-9	6'-6	11'-3	25'-6	22'-6	12.5	48'-0	28.1	73'-6	43.8
21'-6	12'-11	6'-6	11'-5½"	25'-11	22'-11	13.0	48'-10	29.4	74'-9	45.9

GENERAL NOTES

1. Refer to Standard Drawing E 717-SPCA-01 for single pipe anchor details.

2. Refer to Standard Drawings E 717-MPCA-01 and E 717-MPCA-02 for multiple pipe anchor details.

INDIANA DEPARTMENT OF TRANSPORTATION

CONCRETE ANCHOR TABLES

JANUARY 1998

STANDARD DRAWING NO. **E 717-ANCH-03**

ANTHONY L. UREMOVICH REGISTERED No. 18095 STATE OF INDIANA PROFESSIONAL ENGINEER

DESIGN STANDARDS ENGINEER

DETAILS PLACED IN THIS FORMAT 11-15-99

/s/ Anthony L. Uremovich 11-15-99
DESIGN STANDARDS ENGINEER DATE

/s/ Firooz Zandi 11-15-99
CHIEF HIGHWAY ENGINEER DATE

ORIGINALLY APPROVED 1-02-98