- IMPORTANT SCALE NOTE -

THIS PRINT IS A 50% REDUCTION OF THE ORIGINAL DRAWING
COMPENSATE FOR REDUCTION WHEN SCALING

NOTE:- THE QUANTITIES GIVEN IN THESE TABLES ARE NOT TO BE USED FOR FINAL ESTIMATES.
THESE TABLES DO NOT HOLD GOOD FOR BRIDGES ASKEW

DIMENSIONS & QUANTITIES-SLAB BRIDGE ABUTMENTS

Clear Span	Rise	T	F	X	Abutments - Cubic Yards: 2 Abuts. Proper	Depth of Footing 2'-0"	3'-0"	4'-0"	Wings - Cubic Yards: 4 Wings Proper	Depth of Footing 2'-0"	3'-0"	4'-0"	Total Cu. Yd. 4'-0" Ftg.
6'-0"	3'-0"	1'-0"	1'-11"	1'-0"	11.7	18.5	27.8	37.0	3.5	5.5	8.3	11.0	63.2
	4'-0"	"	2'-4"	1'-0"	17.6	20.4	30.6	40.8	6.2	8.1	12.2	16.2	81.0
	5'-0"	"	2'-10"	1'-0"	23.4	22.9	34.5	45.8	10.0	10.9	16.4	21.8	103.0
	6'-0"	"	3'-3"	1'-0"	33.0	25.0	37.5	50.0	14.0	13.6	20.7	27.6	124.6
8'-0"	3'-0"	1'-0"	1'-11"	1'-0"	11.9	18.5	27.8	37.0	3.8	5.8	8.7	11.6	64.3
	4'-0"	"	2'-5"	1'-0"	18.3	20.7	31.0	41.4	6.6	8.4	12.6	16.8	83.1
	5'-0"	"	2'-10"	1'-0"	25.9	22.9	34.4	45.8	10.0	11.0	16.5	22.0	103.3
	6'-0"	"	3'-4"	1'-0"	34.0	25.3	37.9	50.6	15.5	14.3	21.5	28.6	128.7
10'-0"	3'-0"	1'-0"	2'-0"	1'-0"	12.1	18.5	27.8	37.0	4.0	6.2	9.3	12.4	65.5
	4'-0"	"	2'-6"	1'-0"	19.6	21.2	31.7	42.4	7.0	8.8	13.2	17.6	85.6
	5'-0"	"	2'-11"	1'-0"	25.8	23.2	34.8	46.4	11.0	11.7	17.6	23.4	106.6
	6'-0"	"	3'-4"	1'-0"	34.2	25.3	38.0	50.6	16.1	14.9	22.4	29.8	130.7
12'-0"	3'-0"	1'-2"	2'-1"	1'-0"	14.5	19.4	29.1	38.8	4.4	6.4	9.6	12.8	70.3
	4'-0"	"	2'-6"	1'-0"	19.8	21.6	32.3	43.2	7.5	9.0	13.5	18.0	88.5
	5'-0"	"	3'-0"	1'-0"	27.8	24.0	36.1	48.0	11.2	11.8	17.8	23.6	110.6
	6'-0"	"	3'-5"	1'-0"	36.8	26.1	39.2	52.2	16.4	15.0	22.5	30.0	135.4
14'-0"	3'-0"	1'-3"	2'-2"	1'-0"	14.8	19.7	29.6	39.4	4.8	6.8	10.3	13.8	77.4
	4'-0"	"	2'-7"	1'-0"	20.8	21.9	33.0	43.8	7.8	9.4	14.1	18.8	91.2
	5'-0"	"	3'-0"	1'-0"	28.6	24.0	36.1	48.0	12.1	12.4	18.5	24.8	113.5
	6'-0"	"	3'-6"	1'-0"	38.1	26.5	39.8	53.0	17.8	15.6	23.4	31.2	140.1
	8'-0"	"	4'-5"	1'-3"	59.6	32.8	49.4	65.6	33.4	23.4	35.3	48.8	205.8
	10'-0"	"	5'-3"	1'-3"	85.8	36.6	55.0	73.2	58.2	37.0	48.0	64.0	280.9
16'-0"	3'-0"	1'-4"	2'-2"	1'-0"	14.9	19.8	29.7	39.6	4.9	7.0	10.5	14.0	73.4
	4'-0"	"	2'-8"	1'-0"	21.8	22.4	33.7	44.8	8.6	9.8	14.4	19.2	94.4
	5'-0"	"	3'-1"	1'-0"	29.5	24.6	36.9	49.2	13.0	12.6	19.0	25.2	116.9
	6'-0"	"	3'-6"	1'-3"	38.7	28.2	42.1	56.4	19.0	16.4	24.6	32.8	146.9
	8'-0"	"	4'-5"	1'-3"	59.8	32.8	49.4	65.6	36.8	24.1	36.2	48.2	210.4
	10'-0"	"	5'-4"	1'-3"	86.5	37.0	55.7	74.0	63.1	32.5	48.8	65.0	288.4
18'-0"	3'-0"	1'-6"	2'-8"	1'-0"	15.5	20.2	30.2	40.4	5.6	7.5	11.3	15.0	78.3
	4'-0"	"	2'-8"	1'-0"	22.4	22.5	33.8	45.0	8.0	10.0	15.0	20.0	98.4
	5'-0"	"	3'-2"	1'-0"	29.7	25.0	37.5	50.0	13.5	13.0	19.5	26.0	119.2
	6'-0"	"	3'-7"	1'-3"	40.5	28.8	42.8	57.2	19.4	16.8	25.3	33.6	150.5
	8'-0"	"	4'-6"	1'-3"	62.9	33.3	50.0	66.8	38.0	24.3	36.5	48.8	215.7
	10'-0"	"	5'-5"	1'-3"	89.0	37.7	56.7	75.4	63.8	33.2	50.0	66.4	294.6
20'-0"	3'-0"	1'-8"	2'-8"	1'-0"	18.7	20.5	30.8	41.0	6.0	7.6	11.4	15.2	77.9
	4'-0"	"	2'-9"	1'-0"	23.2	23.0	34.5	46.2	9.6	10.4	15.6	20.8	99.8
	5'-0"	"	3'-2"	1'-0"	31.8	25.4	38.2	50.8	14.2	13.4	20.2	26.8	123.6
	6'-0"	"	3'-8"	1'-3"	42.0	29.2	43.8	58.4	20.8	17.5	26.3	35.0	154.2
	8'-0"	"	4'-6"	1'-3"	64.4	33.5	50.3	67.0	38.5	24.8	37.0	49.2	219.1
	10'-0"	"	5'-5"	1'-3"	92.4	37.7	56.6	75.4	68.0	33.6	50.8	67.2	300.0

DIMENSIONS & QUANTITIES — GIRDER BRIDGE ABUTMENTS

Clear Span	Rise	T	F	X	Abutments - Cubic Yards: 2 Abuts. Proper	Depth of Footing 2'-0"	3'-0"	4'-0"	Wings - Cubic Yards: 4 Wings Proper	Depth of Footing 2'-0"	3'-0"	4'-0"	Total Cu. Yd. 4'-0" Ftg.
22'-0"	3'-0"	1'-6"	2'-7"	1'-0"	17.8	22.2	33.3	44.4	8.2	9.3	14.0	18.8	89.0
	4'-0"	"	3'-1"	1'-0"	28.1	24.5	36.8	49.0	12.8	12.8	19.2	25.6	113.5
	5'-0"	"	3'-6"	1'-0"	34.9	26.7	40.1	53.4	18.7	15.8	23.7	31.6	138.6
	6'-0"	"	3'-11"	1'-0"	44.6	28.9	43.4	57.8	25.9	19.2	28.8	38.4	166.7
	8'-0"	"	4'-10"	1'-3"	68.0	34.9	52.4	69.8	46.2	27.4	41.1	54.8	236.8
	10'-0"	"	5'-9"	1'-3"	96.8	39.6	59.4	79.2	75.4	36.8	55.2	73.6	325.0
	12'-0"	"	6'-8"	1'-6"	128.0	43.0	67.5	90.0	115.0	48.5	72.5	96.6	429.8
24'-0"	3'-0"	1'-6"	2'-8"	1'-0"	18.0	22.4	33.6	44.8	8.6	10.1	15.2	20.2	91.8
	4'-0"	"	3'-1"	1'-0"	28.1	24.6	36.9	49.2	13.2	13.0	19.5	26.0	114.5
	5'-0"	"	3'-6"	1'-0"	34.9	26.7	40.0	53.4	19.1	15.9	23.9	31.8	139.2
	6'-0"	"	4'-0"	1'-0"	45.3	29.2	43.8	58.4	27.1	19.8	29.7	39.6	170.4
	8'-0"	"	4'-11"	1'-3"	69.0	35.0	52.5	70.0	47.2	28.0	42.0	56.0	242.7
	10'-0"	"	5'-9"	1'-3"	96.8	39.8	59.4	79.2	76.0	37.2	55.8	74.4	328.4
	12'-0"	"	6'-8"	1'-6"	129.0	45.0	67.5	90.0	115.0	48.8	73.2	97.6	431.6
26'-0"	3'-0"	1'-6"	2'-8"	1'-0"	18.4	22.7	34.0	45.4	8.7	10.3	15.5	20.6	95.1
	4'-0"	"	3'-1"	1'-0"	26.2	24.7	37.0	49.4	13.4	13.3	20.0	26.6	115.6
	5'-0"	"	3'-7"	1'-0"	35.5	27.1	40.7	54.2	19.9	16.6	24.9	33.2	142.8
	6'-0"	"	4'-0"	1'-0"	45.5	29.4	44.1	58.8	27.7	20.1	30.2	40.2	172.0
	8'-0"	"	4'-11"	1'-3"	65.4	35.2	52.8	70.4	49.3	28.7	43.1	57.4	246.5
	10'-0"	"	5'-10"	1'-3"	98.0	39.8	59.4	79.2	79.6	38.1	57.1	76.2	333.0
	12'-0"	"	6'-9"	1'-6"	130.2	45.4	68.1	90.8	122.9	49.5	74.3	99.1	443.0
28'-0"	3'-0"	1'-6"	2'-9"	1'-0"	19.4	22.9	34.5	45.8	9.4	10.6	15.9	21.3	95.9
	4'-0"	"	3'-2"	1'-0"	28.6	25.0	37.5	50.0	14.2	13.6	20.4	27.2	118.0
	5'-0"	"	3'-8"	1'-0"	35.9	27.5	41.3	55.0	20.8	17.1	25.6	34.2	145.9
	6'-0"	"	4'-1"	1'-0"	46.2	29.8	44.4	59.2	28.6	20.5	30.8	41.0	175.0
	8'-0"	"	5'-0"	1'-3"	69.9	35.6	53.4	71.2	51.2	29.4	44.1	58.8	251.1
	10'-0"	"	5'-11"	1'-3"	98.4	40.0	60.0	80.0	83.1	38.7	58.1	77.4	338.9
	12'-0"	"	6'-9"	1'-6"	130.2	43.5	68.3	91.0	125.1	50.1	75.1	100.2	448.5
30'-0"	3'-0"	1'-8"	2'-10"	1'-0"	20.2	23.4	35.1	46.8	10.3	11.5	17.3	23.0	100.3
	4'-0"	"	3'-3"	1'-0"	28.7	25.6	38.4	51.2	15.3	14.5	21.7	29.0	124.4
	5'-0"	"	3'-9"	1'-0"	36.3	28.2	42.3	56.4	22.3	17.8	26.7	35.6	152.8
	6'-0"	"	4'-2"	1'-0"	48.7	30.2	45.3	60.4	34.6	21.5	32.2	43.0	182.7
	8'-0"	"	5'-1"	1'-3"	73.5	36.3	54.5	72.6	55.7	34.4	45.6	60.8	260.8
	10'-0"	"	6'-0"	1'-3"	103.1	40.8	61.2	81.6	85.0	38.9	58.9	79.8	349.5
	12'-0"	"	6'-10"	1'-6"	136.0	46.3	69.4	92.6	129.9	51.4	77.1	102.8	461.3

Clear Span	Rise	T	F	X	Abutments - Cubic Yards: 2 Abuts. Proper	Depth of Footing 2'-0"	3'-0"	4'-0"	Wings - Cubic Yards: 4 Wings Proper	Depth of Footing 2'-0"	3'-0"	4'-0"	Total Cu. Yd. 4'-0" Ftg.
32'-0"	3'-0"	1'-10"	2'-11"	1'-0"	21.3	24.2	36.3	48.4	11.3	11.9	17.9	23.8	104.8
	4'-0"	"	3'-4"	1'-0"	29.7	26.3	39.5	52.6	16.5	14.9	22.3	29.8	128.8
	5'-0"	"	3'-10"	1'-0"	40.8	29.1	43.6	58.2	23.4	18.4	27.6	36.8	159.2
	6'-0"	"	4'-3"	1'-0"	51.1	31.0	46.5	62.0	32.3	22.3	33.6	44.6	190.0
	8'-0"	"	5'-2"	1'-3"	76.3	37.2	55.8	74.4	57.2	31.3	47.0	62.6	270.5
	10'-0"	"	6'-1"	1'-3"	108.0	41.6	62.4	83.2	88.5	41.2	61.8	82.4	360.1
	12'-0"	"	6'-11"	1'-6"	140.0	47.6	71.4	95.2	132.0	52.5	78.7	105.0	472.2
34'-0"	3'-0"	1'-10"	3'-0"	1'-0"	21.9	24.6	36.9	49.2	12.2	12.5	18.7	25.0	108.3
	4'-0"	"	3'-6"	1'-0"	31.3	27.2	40.8	54.4	18.2	15.8	23.7	31.6	135.5
	5'-0"	"	3'-11"	1'-0"	40.9	29.3	44.0	58.6	25.6	19.3	29.0	38.6	165.7
	6'-0"	"	4'-4"	1'-0"	51.6	31.3	47.0	62.6	35.0	22.9	34.3	45.8	195.0
	8'-0"	"	5'-3"	1'-3"	77.0	37.7	56.6	75.4	60.5	32.3	48.4	64.8	277.5
	10'-0"	"	6'-2"	1'-3"	107.3	42.0	63.0	84.0	96.5	42.1	63.1	84.2	372.0
	12'-0"	"	7'-1"	1'-6"	142.2	47.8	71.7	95.6	144.3	54.3	81.4	108.6	490.7
36'-0"	3'-0"	2'-0"	3'-2"	1'-0"	24.0	25.7	38.5	51.4	13.8	13.4	20.1	26.8	116.0
	4'-0"	"	3'-7"	1'-0"	33.1	27.8	41.7	55.6	20.0	16.7	25.0	33.4	142.1
	5'-0"	"	4'-1"	1'-0"	43.8	30.4	45.6	60.8	28.1	20.4	30.6	40.8	173.5
	6'-0"	"	4'-6"	1'-0"	55.2	32.5	48.7	65.0	37.7	24.2	36.3	48.4	206.9
	8'-0"	"	5'-5"	1'-3"	81.4	38.6	57.9	77.2	65.6	33.8	50.7	67.6	291.8
	10'-0"	"	6'-4"	1'-3"	112.0	43.1	64.6	86.2	106.7	43.7	65.5	87.4	388.3
	12'-0"	"	7'-2"	1'-6"	145.5	48.8	73.2	97.6	150.8	55.7	83.5	111.4	505.3
38'-0"	3'-0"	2'-0"	3'-3"	1'-0"	24.4	26.0	39.0	52.0	15.0	14.1	21.1	28.2	118.6
	4'-0"	"	3'-8"	1'-0"	33.7	28.4	42.6	56.8	21.5	17.4	26.1	34.8	146.8
	5'-0"	"	4'-2"	1'-0"	44.6	30.8	46.2	61.6	30.2	21.2	31.8	42.4	178.8
	6'-0"	"	4'-7"	1'-0"	56.0	33.0	49.5	66.0	40.4	25.0	37.5	50.0	212.4
	8'-0"	"	5'-6"	1'-3"	82.8	39.0	58.5	78.0	68.0	34.6	51.9	69.2	297.8
	10'-0"	"	6'-5"	1'-3"	113.4	43.6	65.4	87.2	106.6	44.8	67.2	89.6	396.8
	12'-0"	"	7'-4"	1'-6"	148.0	49.6	74.4	99.2	158.0	57.4	86.1	114.8	529.0
40'-0"	3'-0"	2'-0"	3'-4"	1'-0"	24.8	26.6	39.9	53.2	16.0	14.8	21.9	29.2	123.2
	4'-0"	"	3'-9"	1'-0"	34.1	28.7	43.0	57.4	22.8	18.0	27.0	36.0	150.5
	5'-0"	"	4'-3"	1'-0"	45.0	31.2	46.8	62.4	31.8	21.8	32.7	43.6	182.8
	6'-0"	"	4'-8"	1'-0"	56.7	33.4	50.1	66.8	42.3	25.8	38.7	51.6	217.4
	8'-0"	"	5'-7"	1'-3"	83.5	39.4	59.1	78.8	71.0	35.6	53.4	71.2	304.5
	10'-0"	"	6'-6"	1'-3"	114.6	44.0	66.0	88.0	111.0	45.8	68.7	91.6	409.2
	12'-0"	"	7'-5"	1'-6"	149.0	50.0	75.0	100.0	163.0	58.4	87.6	116.8	528.8

STATE OF MARYLAND
STATE ROADS COMMISSION
BALTIMORE, MD.

STANDARD BRIDGE ABUTMENTS

DIMENSIONS & QUANTITIES

MARCH, 1933

REVISIONS

MADE BY: [illegible]
TRACED BY: [illegible]
CHECKED BY: [illegible]
CORRECT: [illegible] CHIEF ENGINEER
5/8/33

APPROVED: [illegible] CHIEF ENGINEER
5/19, 1933

CAQ-33