



ELEVATION
(ON SEC. A-A)

GENERAL NOTES

REFERENCE shall be made to Standard Drawing SB-1-47 (dated 1-20-48).

REMOVAL OF EXISTING BRIDGE: Existing superstructure shall be removed. Steel "I" beams, channels, and railings shall be delivered to the State Highway Garage at Painesville. Abutments shall remain in place except as noted below.

REINFORCING STEEL: Unless otherwise shown, all bars shall be fabricated with dimensions in accordance with the proposed Manual of Standard Practice, American Concrete Institute, 1946, except that a tolerance will be permitted in the diameter of bends equal to the diameter of the bar. No weight allowance will be made for tolerances.

REMOVAL OF PORTIONS OF EXISTING ABUTMENTS: All material removed above portions of abutment to remain in place is included in Item S-22, Removal of Portions of Existing Structure. All other material is included in excavation quantities for payment.

REINFORCING STEEL LIST

Mark	Size	No.	Length	Weight	N.Abut.	S.Abut.	Shp	Bending Diagram
Superstructure Steel								
T4a	3/8"	12	27'-0"	344	-	-	Str.	
T5a	3/8"	67	34'-4"	3456	-	-	Str.	
S8a	1"	72	29'-10"	7305	-	-	Bt.	
A4a	3/8"	29	3'-3"	98	29	-	Str.	
A4b	3/8"	11	7'-5"	85	11	-	Bt.	
A4c	3/8"	20	2'-0"	42	8	12	Str.	
A4d	3/8"	12	4'-0"	50	6	6	Str.	
A4e	3/8"	2	2'-11"	6	2	-	Str.	
A4f	3/8"	4	3'-10"	16	4	-	Str.	
A4g	3/8"	2	5'-0"	10	2	-	Str.	
A4h	3/8"	14	9'-0"	182	2	12	Str.	
A4i	3/8"	18	7'-0"	141	6	12	Str.	
A4j	3/8"	4	27'-9"	117	4	-	Str.	
A4k	3/8"	8	13'-0"	109	8	-	Str.	
A4l	3/8"	18	4'-0"	75	-	18	Str.	
A4m	3/8"	6	17'-0"	110	-	6	Str.	
A4n	3/8"	16	6'-0"	100	8	8	Str.	
A4p	3/8"	4	25'-0"	104	-	4	Str.	
A4q	3/8"	6	10'-9"	67	-	6	Str.	
A4r	3/8"	4	14'-9"	60	-	4	Bt.	
A4t	3/8"	6	9'-0"	59	-	6	Str.	
A4v	3/8"	4	1'-10"	8	4	-	Str.	
A4w	3/8"	11	7'-5"	85	-	11	Bt.	
A4x	3/8"	4	5'-0"	21	-	4	Bt.	
A4rr	3/8"	4	15'-0"	64	-	4	Bt.	
F4a	3/8"	13	5'-9"	78	2	11	Bt.	
F4b	3/8"	4	4'-0"	18	-	4	Bt.	
F5a	3/8"	22	6'-4"	150	10	12	Bt.	
Replacement Steel								
RE4	3/8"	1	6'-1"	6	-	-	Str.	
RE5	3/8"	1	6'-0"	10	-	-	Str.	
RE8	1"	1	7'-4"	24	-	-	Str.	

ESTIMATED QUANTITIES

Item	Total	Unit	Description	N.Abut.	S.Abut.	Superstr.	General	AS BUILT	
								Change or der	Final Quantity
E-2	Lump	Sum	Cofferdams, cribs and sheeting						Lump
E-2	91	Cu.Yd.	Unclassified excavation	21	70				91
E-3	50	Cu.Yd.	Channel excavation						50
S-1	50	Cu.Yd.	Class 'C' concrete, bridge slab			50			50
S-1	19	Cu.Yd.	Class 'E' concrete, footings	5	14				19
S-1	39	Cu.Yd.	Class 'E' concrete, walls	12	27				39
S-3	109	Sq.Yd.	Type 'C' waterproofing			109			109
S-4	12950	Lbs.	Reinforcing steel	690	1115	11105	40		12,950
S-9	20	Sq.Ft.	1/4" Premolded expansion joint filler	10	10			41.5	15
S-14	56	Lin.Ft.	Railing Type I-15.13			56			56
S-22	7	Cu.Yd.	Removal of portions of existing structure	4	3				7
S-23	79	Lin.Ft.	Dowel holes	49	30				79
S-29	15	Cu.Yd.	Porous backfill	4	11				15
S-24	Lump	Sum	Removal of existing superstructure						Lump
T-35	8	Cu.Yd.	Asphaltic concrete surface course, Type 'C' (70-80 or 85-100)			8			8

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

**GENERAL PLAN & ELEVATION
NOTES & ESTIMATED QUANTITIES
& STEEL LIST**

BRIDGE No. LA-528-G9
OVER BIG CREEK

LAKE COUNTY S.H. 327
Sec. F STA. 106+00.00

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE
C.R.	C.R.	JAMES	JOG	A.G.	1/13/48