FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

372
394

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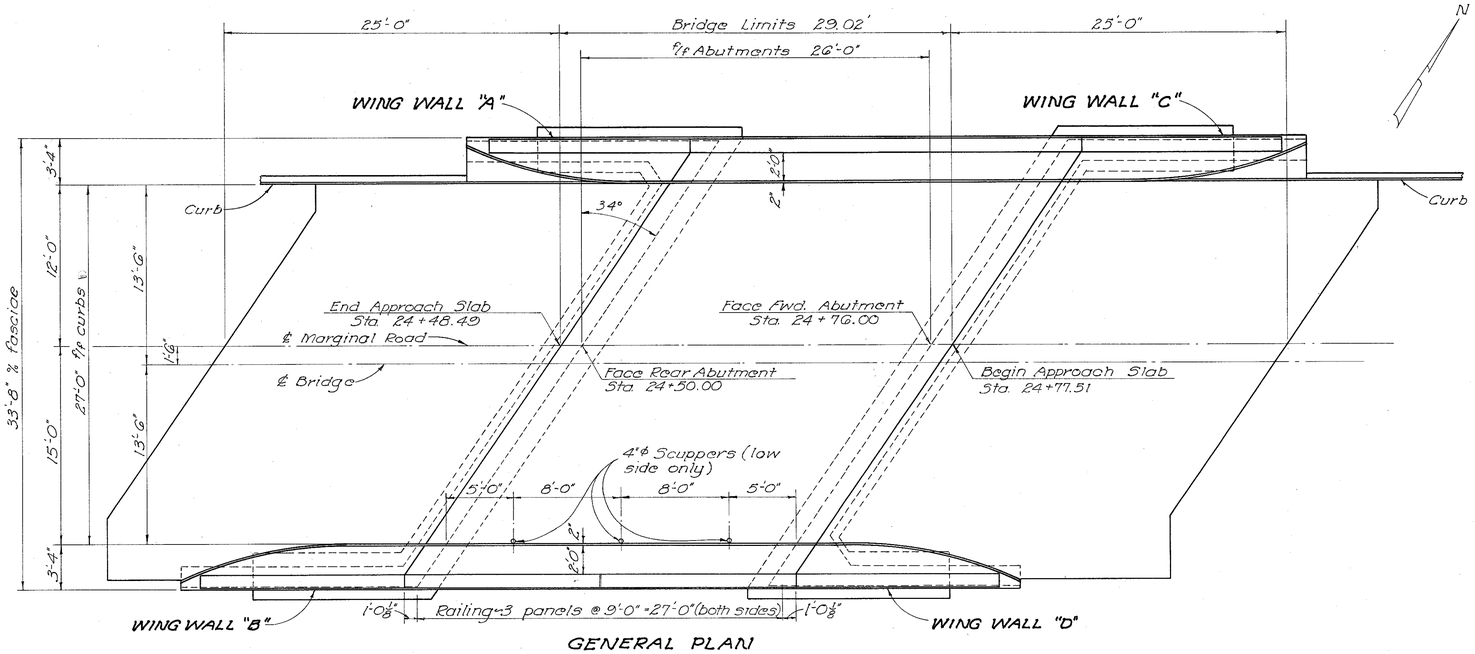
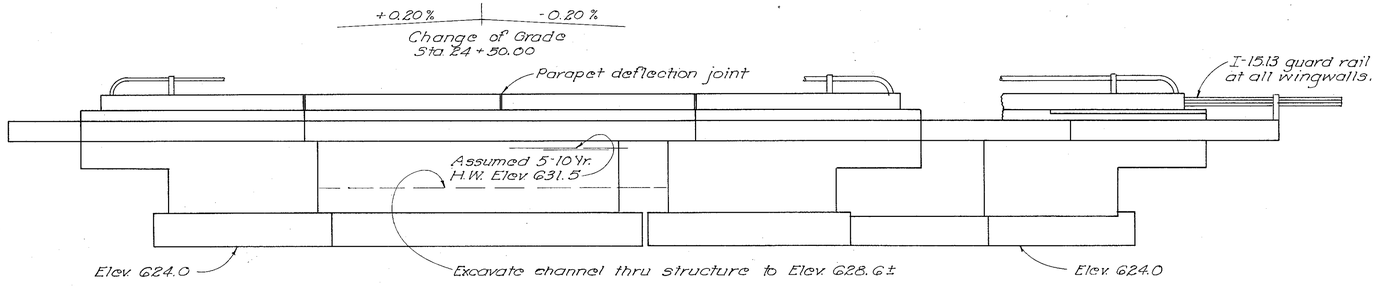


GENERAL PLAN



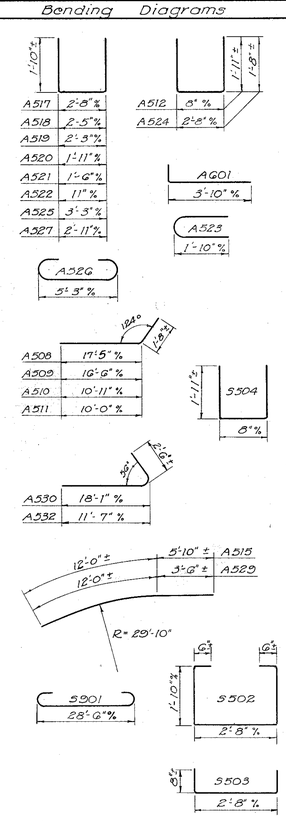
ELEVATION

REINFORCING STEEL LIST

Mark	No.	Length	Weight	Shp.
SUPERSTRUCTURE				
S901	76	31'-0"	8010	B
S601	65	39'-7"	3865	S
S501	18	28'-6"	535	S
S502	58	6'-10"	413	B
S503	58	3'-9"	227	B
S504	32	4'-3"	142	B
RAILING				
R501	16	14'-2"	*	S
R502	16	14'-11"	*	S
*Included with railing for payment				
REPLACEMENT BARS				
RE901	1	6'-10"	-	S
RE601	1	5'-11"	-	S
RE501	1	5'-7"	-	S

REPLACEMENT BARS: If reinforcing bars are fabricated from stock which has previously been tested and approved by the Ohio Highway Testing Laboratory, test samples as provided in Sec. 5-4.02 need not be furnished and replacement bars will not be required.

Bending Diagrams



Mark	No.	Length	Weight	Shp.	R	F
ABUTMENTS						
AG01	94	4'-6"	635	B	47	47
AG02	4	12'-0"	72	S	2	2
AG03	4	21'-5"	129	S	2	2
A501	32	19'-0"	634	S	16	16
A502	19	4'-9"	94	S	9	10
A503	14	5'-3"	77	S	7	7
A504	19	5'-0"	99	S	10	9
A505	14	5'-6"	80	S	7	7
A506	32	3'-5"	114	S	16	16
A507	31	7'-7"	245	S	15	16
A508	4	19'-0"	79	B	2	2
A509	4	18'-1"	75	B	2	2
A510	4	12'-6"	52	B	2	2
A511	4	11'-7"	48	B	2	2
A512	32	4'-3"	142	B	16	16
A513	12	16'-5"	205	S	6	6
A514	2	17'-6"	37	S	-	2
A515	4	17'-10"	74	B	3	1
A516	2	13'-3"	28	S	1	1
A517	36	6'-1"	228	B	18	18
A518	6	5'-10"	37	B	3	3
A519	6	5'-8"	35	B	3	3
A520	6	5'-4"	33	B	3	3
A521	6	4'-11"	31	B	3	3
A522	6	4'-4"	27	B	3	3
A523	6	3'-10"	24	B	3	3
A524	24	5'-9"	144	B	12	12
A525	4	6'-8"	28	B	2	2
A526	8	6'-5"	54	B	4	4
A527	4	6'-4"	26	B	2	2
A528	31	7'-0"	226	S	16	15
A529	4	15'-6"	63	B	1	3
A530	4	20'-7"	86	B	2	2
A531	4	17'-4"	72	S	2	2
A532	4	14'-1"	59	B	2	2
A533	4	10'-10"	45	S	2	2
A534	2	15'-1"	31	S	2	-

BAR SIZE is indicated in the bar mark. The first digit indicates the bar size number. For example, S901 is a No. 9 size bar.

Revised As-Built

ESTIMATED QUANTITIES

Item	Total	Unit	Description	Super.	Abuts.	Gen'l.	As Built	
E-2	Lump	Sum	Cofferdams, cribs and sheeting			Lump		
E-2	175	Cu.Yd.	Unclassified excavation, including shale		175			
E-3	250	Cu.Yd.	Channel excavation			250	CO+U -151	99
S-1	61	Cu.Yd.	Class "C" concrete, superstructure	61				
S-1	61	Cu.Yd.	Class "E" concrete, abutment walls		61			
S-1	41	Cu.Yd.	Class "E" concrete, abutment footings		41			
S-3	12	Lin.Ft.	Waterproofing, premolded sealing strip		12			
S-4	17,362	Lb.	Reinforcing steel	13,192	4,170			
S-14	119.04	Lin.Ft.	Railing (aluminum rail and supports and concrete parapet)	58.04	61.00			
S-29	24	Cu.Yd.	Porous backfill		24			
S-29	3	each	Scuppers (4"dia. cast iron or wrought iron pipe)	3				

Revised As-Built

GENERAL NOTES

DESIGN SPECIFICATIONS: This structure conforms to the requirements of "Design Specifications for Highway Structures" of the State of Ohio, Department of Highways, dated 9-1-57, together with current revisions thereof.

ABUTMENT FOOTINGS shall extend a minimum of 3" into solid shale or to the elevation shown, whichever is lower.

FOUNDATION BEARING PRESSURE: Abutment footings are designed for a maximum bearing pressure of 2.5 tons per sq. ft.

CAMBER of ½" at ¢ of the span shall be provided to allow for dead load deflection. This is the amount of camber required before falsework is released. To obtain this, proper allowance shall be made for the deflection of falsework members.

CURBS shall be placed after the shoring under the slab has been released sufficiently to permit the span to attain full dead load deflection.

Revised As-Built

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

GENERAL PLAN, ELEVATION, NOTES, ESTIMATED QUANTITIES & REINFORCING STEEL LIST
BRIDGE No. LAK-2-MARGINAL ROAD
LAKE COUNTY STA. 24+48.49
24+77.51

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
DGM	DGM	RHD	R.L.D.	BFG G.S.F.	3-4-59	

Revised As-Built VLA ~ 6-11-63