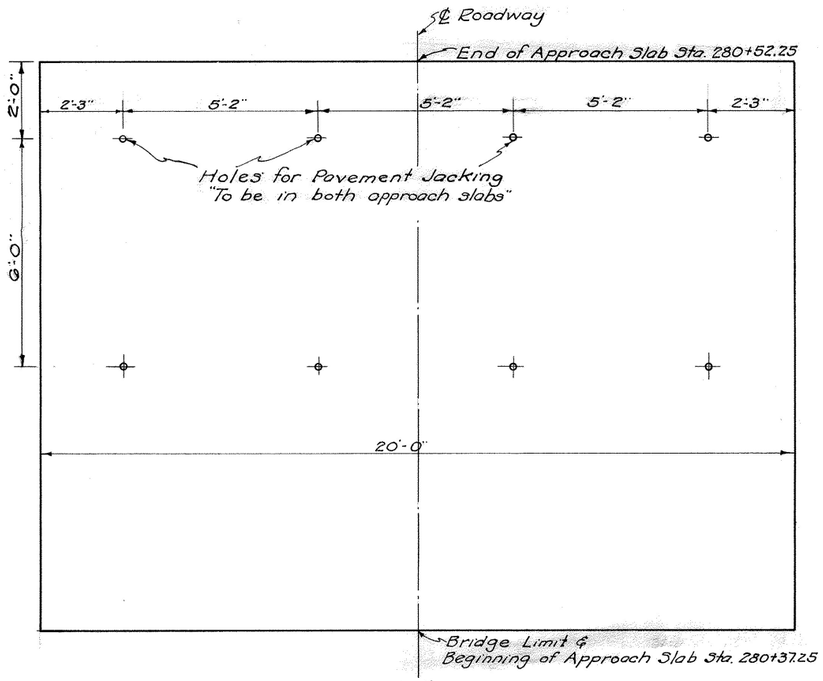
FED. RD. DIVISION	STATE	PROJECT	FISCAL YEAR
2	OHIO	H. I. F.	1948

10
12

MRG-76-15.59
NOB-76-0.00

APPROACH SLABS FOR BRIDGE No. NO. 76-00

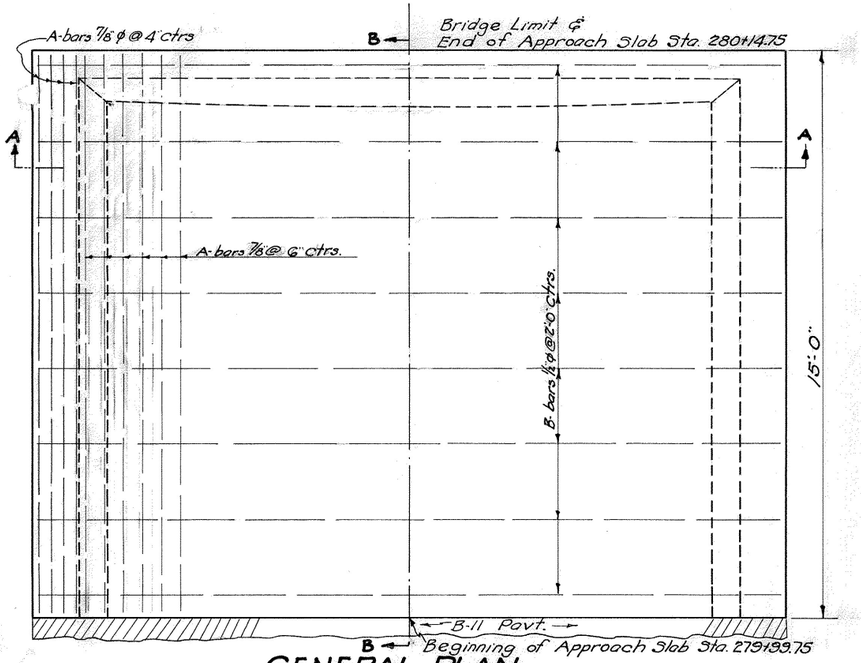


Scale 1/2" = 1'-0"

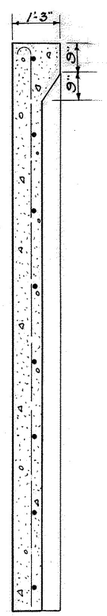
ESTIMATED QUANTITIES

Reinforced Concrete Appr. Slabs 9" thick = 66.7 Sq. Yds.

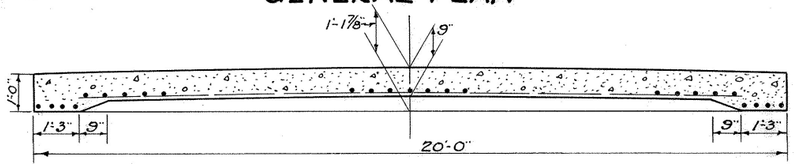
Note: For details not shown refer to Std. Dwg. No. AS-44-S, Type I



GENERAL PLAN

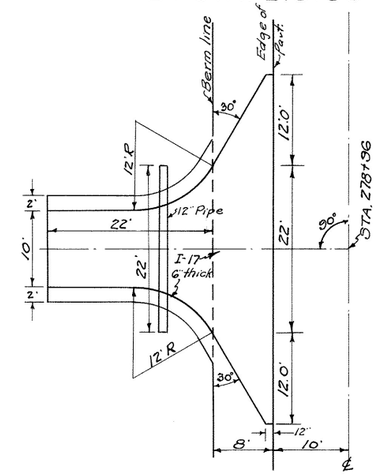


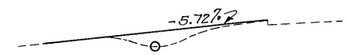
SECTION B-B



SECTION A-A

APPROACH No. 2-A LT. STA. 278+96

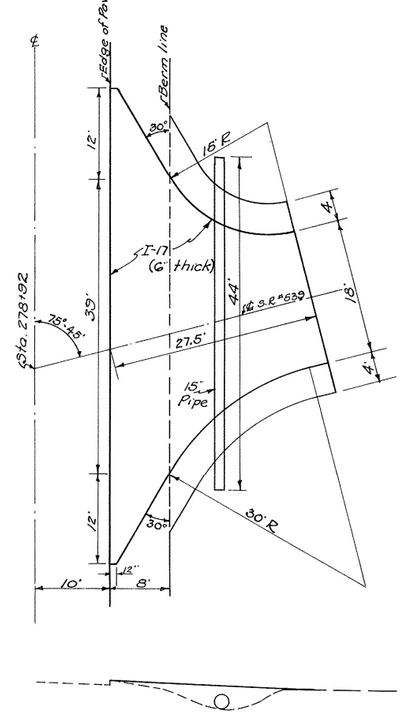




ESTIMATED QUANTITIES

I-17 (6" thick)	=	10.0	Cu. Yds.
12" Pipe	=	22	Lin. Ft.
L-9 Seeding	=	8	Sq. Yds.

APPROACH No. 1-A RT. STA. 278+92



ESTIMATED QUANTITIES

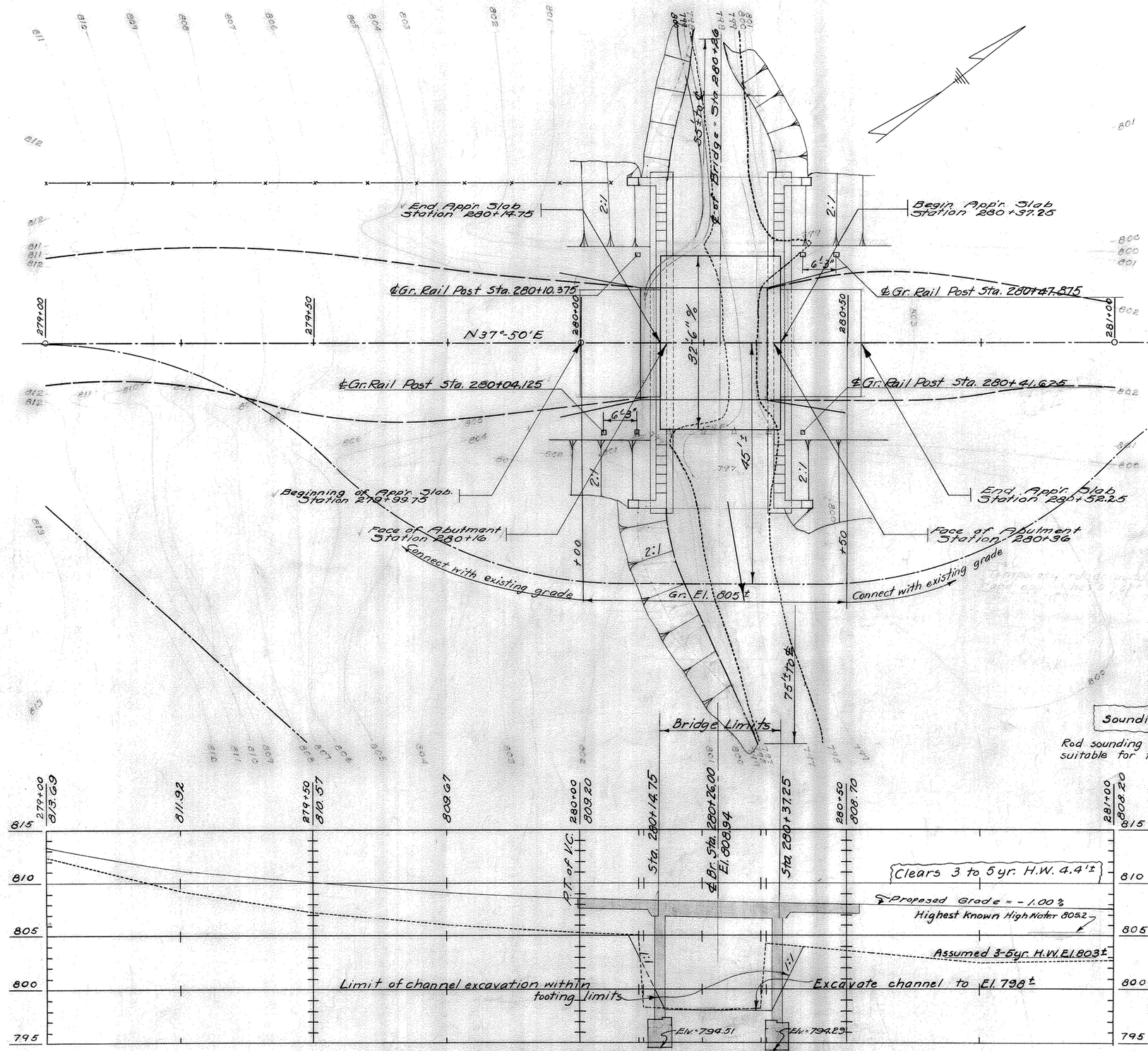
I-17 (6" thick)	=	16.4	Cu. Yds.
15" Pipe	=	44	Lin. Ft.
L-9 Seeding	=	7	Sq. Yds.

FED. RD. DIV. NO.	STATE	PROJECT	FISCAL YEAR
2	Ohio	H. I. F.	1948

11/12

MRG- 76-15.59
NOB-76-00

1/2 Mi. S. of Renrock



PROPOSED STRUCTURE

Type: Concrete slab with concrete abutments
Span: 20' clear
Roadway: 32' f/f guard rail
Loading: 5-15-46
Skew: None
Wear. Surf: Monolithic concrete
Appr. Slabs: 15' long, A5-44-5. type I

Temporary Run Around

TEMPORARY RUN-AROUND ROAD AND BRIDGE

Temporary run-around road and bridge are included in this contract. Existing bridge may be moved and used as a run-around bridge. Surface course for approaches to the temporary run-around bridge shall be composed of I-17 Side Approaches, Mail Box Turnouts, and Berm Material. It shall be placed in two or more courses and shall have a final compacted thickness of not less than 6 inches and as much more than this as the Engineer considers necessary. Calcium chloride shall be applied to the extent the Engineer considers necessary, but not less than one ton per 60 cu. yd. of aggregate (measured loose)

PRESENT STRUCTURE

Type: Wood Beam Br. (Two Spans)
Span: 22'-0"
Roadway: 21'-0" (To be removed)

Sounding Note

Rod sounding indicate foundation material suitable for footings without piling.

DRAINAGE AREA

1.17 SQ. MILES

PROFILE ALONG ℄
SCALE: Horizontal, 1"=10'. Vertical, 1"=5'

Line & Grade OK AHM 9/11/47

SITE PLAN
BRIDGE NO. 76-00
OVER
BRANCH OF DYES FORK
Sec. NOB-76-00
NOBLE COUNTY
STATE OF OHIO

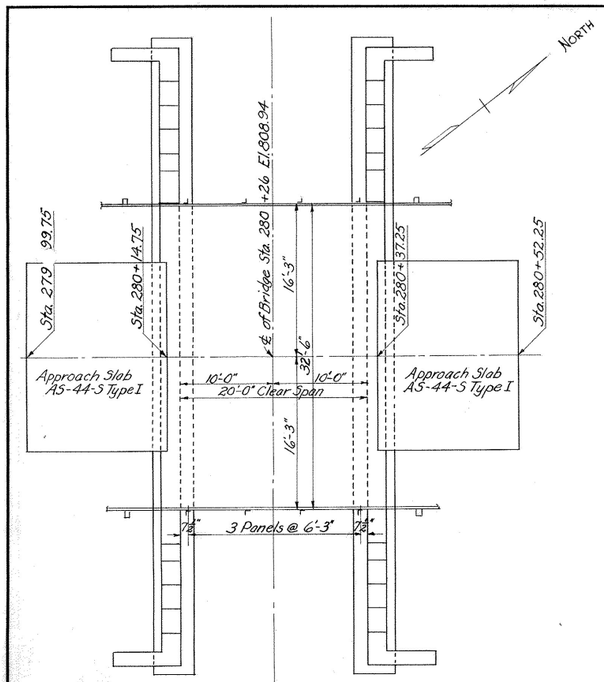
SCALE: 1" = 10' JULY 1939

Pres. Topography		Proposed Work			
Surveyed	Drawn	Designed	Drawn	Checked	Revised
	MGB	B.H.L.	B.H.L.	G.E.S.	AHM 9/11

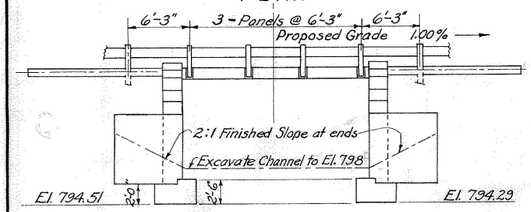
FED. RD. DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR
10	OHIO	H.I.F.	1948

12/12

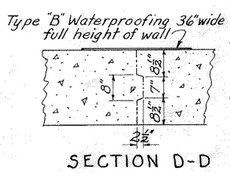
MRG.-76-15.59
NOB.-76-0.00



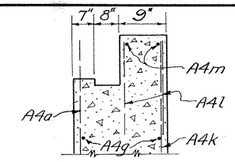
PLAN



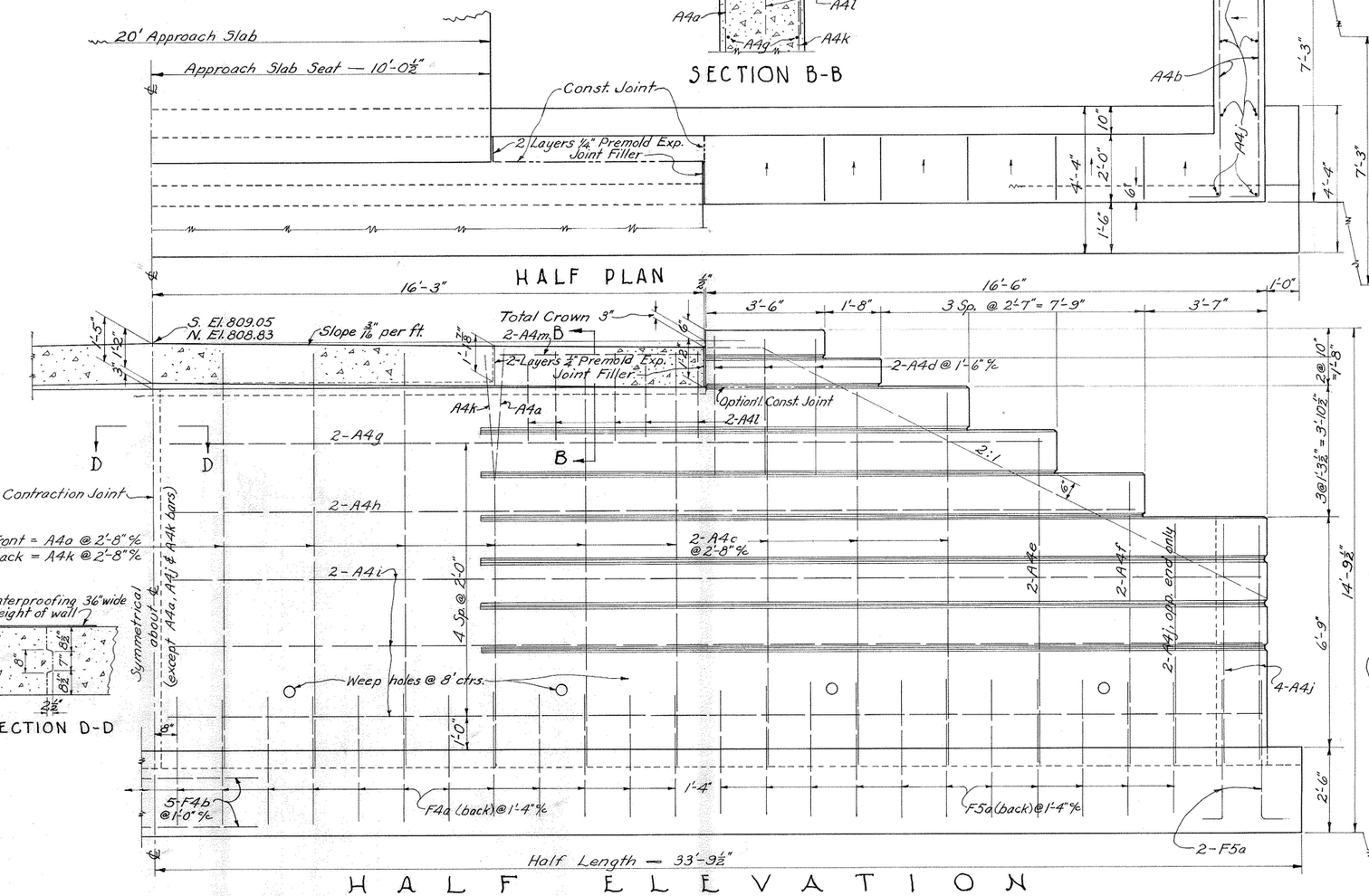
ELEVATION



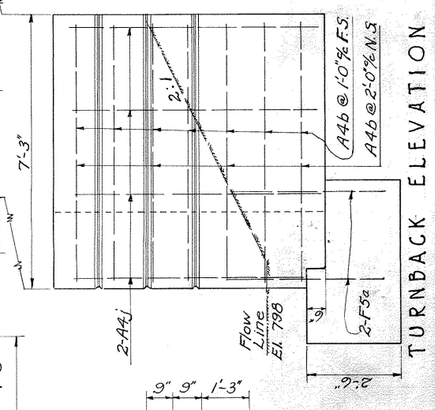
SECTION D-D



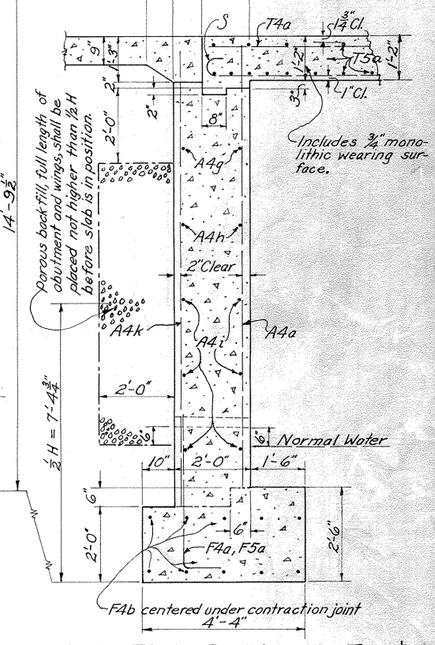
SECTION B-B



HALF ELEVATION



TURNBACK ELEVATION

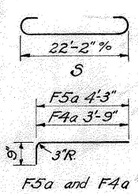


SECTION AT ℄

REINFORCING STEEL LIST

Mark	Size	No.	Length	Weight	Shape
SUPERSTRUCTURE					
S	1" ϕ	72	24'-0"	4614	B
T5a	¾" ϕ	52	32'-0"	2500	S
T4a	⅝" ϕ	12	22'-0"	275	S
SUBSTRUCTURE					
F5a	¾" ϕ	60	4'-9"	428	B
F4a	⅝" ϕ	48	4'-3"	213	B
F4b	⅝" ϕ	20	6'-0"	125	S
A4a	⅝" ϕ	24	11'-8"	292	S
A4b	⅝" ϕ	44	6'-9"	310	S
A4c	⅝" ϕ	24	10'-6"	263	S
A4d	⅝" ϕ	24	4'-0"	100	S
A4e	⅝" ϕ	8	9'-0"	75	S
A4f	⅝" ϕ	8	7'-9"	65	S
A4g	⅝" ϕ	8	26'-0"	217	S
A4h	⅝" ϕ	8	28'-6"	238	S
A4i	⅝" ϕ	24	32'-3"	807	S
A4j	⅝" ϕ	36	6'-8"	250	S
A4k	⅝" ϕ	24	12'-2"	305	S
A4l	⅝" ϕ	56	2'-6"	146	S
A4m	⅝" ϕ	8	5'-9"	48	S
REPLACEMENT BARS					
RE-7	1" ϕ	1	7'-6"	20	S
RE-5	¾" ϕ	1	6'-6"	10	S
RE-4	⅝" ϕ	1	6'-0"	6	S

Bend Diagram



F5a and F4a

ESTIMATED QUANTITIES

Item	Quantity	Unit	Description	Superstructure	Abutments	General
E-2	Lump Sum	L.S.	Cofferdams, Cribs & Sheeting		Lump Sum	
E-2	186	Cu.Yd.	Excavation for Structures, unclassified		186	
E-3	158	Cu.Yd.	Channel Excavation			
S-1	48½	Cu.Yd.	Concrete, Class E, footings		48½	
S-1	110½	Cu.Yd.	Concrete, Class E, walls		110½	
S-1	33	Cu.Yd.	Concrete, Class C, superstructure	33		
S-3	8	Sq.Yd.	Waterproofing, Type B		8	
S-4	11307	Lb.	Reinforcing Steel	7389	3882	36
S-9	21	Sq.Ft.	¼" Premolded Expansion Joint Filler	21		
S-14	45	Lin.Ft.	Railing, Type I — 15.13	45		
S-15	Lump Sum		Temporary Run-around Road and Bridge			Lump Sum
S-24	Lump Sum		Removal of Existing Structure			Lump Sum
S-29	72	Cu.Yd.	Porous Backfill			72

GENERAL NOTES

Reference shall be made to Standard Drawing SB-2-46, Rev. 9-4-46; and AS-44-S, Rev. 4-2-45.

Temporary Run-Around Road and Bridge are included in this Contract.

Removal of Existing Bridge: Existing Superstructure shall be dismantled, and becomes the property of the Contractor when no longer needed to maintain traffic.

Existing substructure shall be removed.

Reinforcing Steel: Unless shown otherwise, all bars shall be fabricated with dimensions in accordance with the Proposed Manual of Standard Practice, American Concrete Institute, 1946, except that a tolerance equal to the diameter of the bar, will be permitted in the diameter of bends.

No weight allowance will be made for tolerances.

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

GENERAL PLAN & ELEVATION
SUBSTRUCTURE DETAILS
NOTES & ESTIMATED QUANTITIES
BRIDGE No. NOB-76-00
OVER BRANCH OF DYES FORK
NOBLE COUNTY

NOB - 76-0.00
280 + 26

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
O.A.E.	O.A.E.	J.A.W.	E.J.W.	A.J.T. E.J.J.	11/18/47	