FED. RD. DIST. NO.	STATE	F.A.G.C PROJECT	FISCAL YEAR	
10	OHIO	F.A.G.M. 70A(1)	19-51	36 / 50

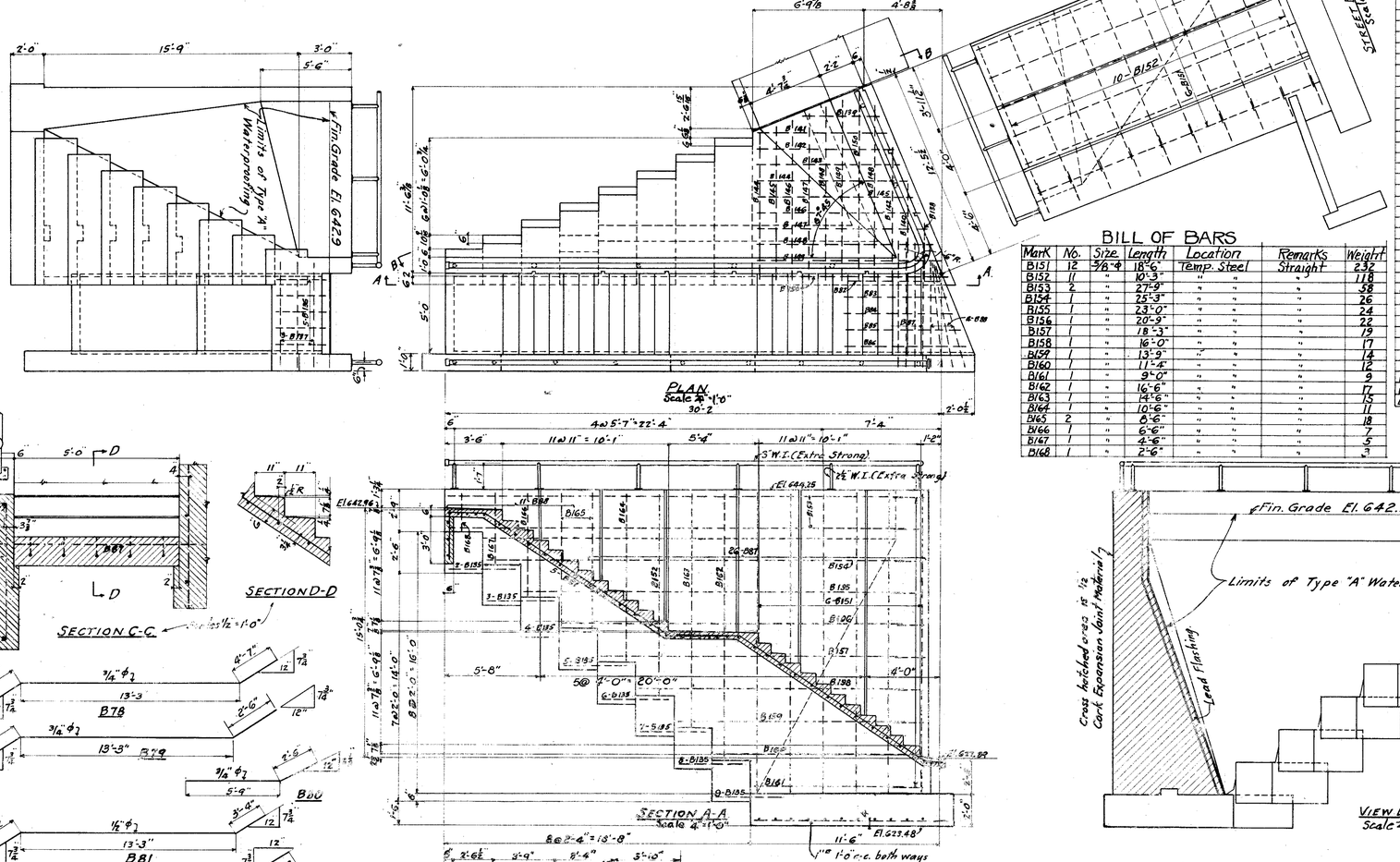
LAKE COUNTY S.H. 528
SEC. PAINESVILLE (PT.)
GRADE SEPARATION

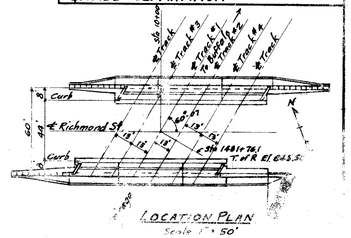
BILL OF BARS

Mark	No.	Size	Length	Location	Remarks	Weight
B77	2	1"□	30'-0"	Stair Stringer	Straight	160
B78	2	3/4"ϕ	22'-4"	" "	Bent See Detail	67
B79	2	"	20'-3"	" "	" "	62
B80	2	"	8'-3"	" "	" "	25
B81	5	1/2"ϕ	18'-9"	Stair	" "	63
B82	1	"	17'-7"	"	" "	11
B83	1	"	17'-6"	"	" "	12
B84	1	"	17'-1"	"	" "	12
B85	1	"	18'-4"	"	" "	12
B86	1	"	18'-9"	"	" "	13
B87	26	"	8'-4"	"	" "	145
B88	15	"	7'-1"	"	" "	71
B90	3	1/2"ϕ	9'-7"	Stair Stringer	" "	19
B92	1	1/2"ϕ	10'-4"	" "	" "	7
B93	2	"	10'-5"	" "	" "	14
B94	1	"	11'-3"	" "	" "	8
B95	1	"	11'-11"	" "	" "	8
B97	1	1/2"ϕ	11'-1"	" "	" "	7
B98	1	"	11'-4"	" "	" "	8
B100	1	1/2"ϕ	11'-9"	" "	" "	8
B101	3	"	12'-5"	" "	" "	25
B102	2	"	13'-4"	" "	" "	18
B135	44	1"□	4'-0"	Footing	Straight	293
B136	5	1/2"ϕ	3'-0"	Apron	"	10
B137	3	"	6'-5"	"	"	13
B138	1	1"□	3'-6"	Coping	"	12
B139	1	"	4'-0"	"	"	14
B140	1	"	6'-0"	"	"	20
B141	1	"	7'-10"	"	"	27
B142	2	"	8'-3"	"	"	56
B143	1	"	11'-8"	"	"	20
B144	2	"	6'-0"	"	"	61
B145	2	"	5'-6"	"	"	65
B146	2	"	9'-10"	"	"	67
B147	2	"	10'-4"	"	"	70
B148	3	"	10'-9"	"	"	110
B149	2	"	11'-2"	"	"	76
B150	2	"	11'-8"	"	"	79
B176	10	3/8"ϕ	6'-5"	Temp. Steel	Bent See Detail	68

BILL OF BARS

Mark	No.	Size	Length	Location	Remarks	Weight
				Temp. Steel	Straight	
B151	12	5/8"ϕ	18'-6"	"	"	232
B152	11	"	10'-3"	"	"	118
B153	2	"	27'-9"	"	"	58
B154	1	"	25'-3"	"	"	26
B155	1	"	23'-0"	"	"	24
B156	1	"	20'-2"	"	"	22
B157	1	"	18'-3"	"	"	19
B158	1	"	16'-0"	"	"	17
B159	1	"	13'-9"	"	"	14
B160	1	"	11'-6"	"	"	12
B161	1	"	9'-0"	"	"	9
B162	1	"	16'-6"	"	"	17
B163	1	"	14'-6"	"	"	15
B164	1	"	10'-6"	"	"	11
B165	2	"	8'-6"	"	"	18
B166	1	"	6'-6"	"	"	7
B167	1	"	4'-6"	"	"	5
B168	1	"	2'-6"	"	"	3





BEARING ON MASONRY
Contractor
Name of Bridge
Built by
Work commenced
Work completed

ACTUAL QUANTITIES

DESCRIPTION	EAST ABUT.	WEST ABUT.	PIERS FOOTINGS FLOOR SLAB ETC.	TOTAL QUANTITIES
Grading, Cubic Yards				
Dry Earth Excavated, Cu. Yds.				
Wet Earth Excavated, Cu. Yds.				
Dry Rock Excavated, Cu. Yds.				
Wet Rock Excavated, Cu. Yds.				
Foundation Piling, Lineal Ft.				
Coffer dam Timber, Ft. B. M.				
Steel Sheet Piling, Left in, Tons				
Steel Sheet Piling Removed, Tons				
Puddledam Material, Cu. Yds.				
Reinforcing Bars, Lbs.				
Class A Concrete, Cu. Yds.				
Class B Concrete, Cu. Yds.				
Class C Concrete, Cu. Yds.				
Class D Concrete, Cu. Yds.				
Class E Concrete, Cu. Yds.				
Waterproofing, Sq. Ft.				
Source, Size, Kind Stone				
Source, Size, Kind Sand				
Brand of Cement				
Elevation B. R.				
" Top of Coping				
" " Facing				
" Bottom of Footing				
Character of Foundation				

Bench Mark used in construction: Location _____ Elevation _____ Sea Level Datum
B.M. established on site: Location _____ Elevation _____ Sea Level Datum
Remarks: _____

I certify that the above information is correct, and that on this print ALL deviations from the plan are correctly shown.
(Place) _____ Title _____ Date _____
The above information and the changes shown on this print have been entered on the original drawing this date.
Checked by _____ Draftsman

ESTIMATED QUANTITIES FOR STAIRS

ITEM	DESCRIPTION	AMT.
E2	Excavation For Structures, Unclass	85 C.Y.
S1	Class "C" Concrete, Steps	4.45 C.Y.
S1	Class "E" Concrete, Walls	74. C.Y.
S1	Class "E" Concrete, Footings	13 C.Y.
S3	Type "A" Waterproofing	47 S.Y.
S4	Reinf. Steel, Det Bars (See M-11, Structure Note 7 and 8)	2779 Lbs.
S9	Lead Flashing (15" Wide, 7.5#/sq ft)	20 L.F.
S9	½" Cork Expansion Joint Material	71 S.F.
S14	Parapet Railing, 3" W.I. Pipe, Extra Strong, 1 Line (Incl. painting)	40 L.F.
S14	Stair Railing 2" " " " " " (Incl. Rust painting)	34 L.F.

BR. No. LA-283-170

N.Y.C. System | Office of Chief Engineer | Chicago, Ill.

BR. No. 100 3/4 ERIE DIVISION STA. 145+76.1
GRADE SEPARATION
RICHMOND ST. PAINESVILLE, OHIO
MASONRY PLAN - STAIR

Engineer of Structures.
Chief Engineer.

Drawn | Traced L | Checked E.A.O.

REVISIONS

Date	By	Description
2/27/41	State	Rustication added at Exp. Joint
3-12-41	"	Steps, Rail Posts, Rust. Reinf., Quan.

Sheet 8 of 13

N.Y.C.R.R.-West Erie Division		Plan No. 1095
Scales as shown	July 5 1940 Vol. Sec 203	File No. 100-96