CONTRACT 98939
U.S. RTE. 60 & U.S. RTE. 62
(138D-BR) P-1
ALEXANDER COUNTY
SHEET 7 OF 85

Typical Stringer-Illinois Approach

Detail at Pier 21N

Detail at Pier A

Section showing Lamp Post

Half End View

Quarter Section at Intermediate Cross Frame

Section at Intermediate Railing Post.

Base Plates

	Inner Stringers	Outer Stringers
All Pier A	14-13×$\frac{4}{8}$	14-13×$\frac{2}{8}$
All Pier 21N	14-13×$\frac{3}{8}$	14-13×$\frac{1}{2}$
All other Piers	14-20×$\frac{3}{8}$	14-20×$\frac{1}{2}$

All Sole plates 12$\frac{1}{2}$" wide×$\frac{7}{8}$" long a thickness corresponding to $\frac{1}{2}$" at ℄ of Pier

Span	Centers of Bearings ℄ Pier	Centers of Bearings Elevation	Diff. Elev.	Grade	Total Dist. c to c Pier Masonry	Thickness of Sole Pls At Exp. End	Thickness of Sole Pls At Fixed End	Top Bed Plate at Base	
1	A	333.23							
2	2N	330.58	2.65	4.56%	58'-8$\frac{1}{2}$"	0 + $\frac{5}{8}$	$\frac{5}{8}$ + $\frac{1}{2}$	2$\frac{1}{2}$	1'-1" from ℄ Pier A
3	3N	328.45	2.13	3.75%	58'-0$\frac{1}{2}$"	$\frac{5}{8}$ + $\frac{5}{8}$	$\frac{5}{8}$ + $\frac{1}{2}$	2$\frac{1}{2}$	
4	4N	326.32	1.63	2.92%	58'-0$\frac{1}{2}$"	$\frac{5}{8}$ + $\frac{5}{8}$	$\frac{5}{8}$ + $\frac{1}{2}$	2$\frac{1}{2}$	
5	5N	324.78	1.17	2.09%	58'-0$\frac{1}{2}$"	$\frac{5}{8}$ + $\frac{5}{8}$	$\frac{5}{8}$ + $\frac{1}{2}$	2$\frac{1}{2}$	
6	6N	323.53	0.70	1.25%	58'-0$\frac{1}{2}$"	$\frac{5}{8}$ + $\frac{5}{8}$	$\frac{5}{8}$ + $\frac{1}{2}$	2$\frac{1}{2}$	
7-18	7-18N	323.12	0.23	0.41%	58'-0"	$\frac{5}{8}$ + $\frac{5}{8}$	$\frac{5}{8}$ + $\frac{1}{2}$	1 2$\frac{1}{2}$	
19	19N	323.12	—	Level	58'-0"	$\frac{5}{8}$ + $\frac{5}{8}$	$\frac{5}{8}$ + $\frac{1}{2}$	2$\frac{1}{2}$	
20	20N	323.34	0.22	0.38%	58'-0"	$\frac{5}{8}$ + $\frac{5}{8}$	$\frac{5}{8}$ + $\frac{1}{2}$	2$\frac{1}{2}$	
21	21N	324.84	1.50	2.58%	58'-0$\frac{1}{2}$"	$\frac{5}{8}$ + $\frac{5}{8}$	$\frac{5}{8}$ + $\frac{1}{2}$	2$\frac{1}{2}$	
			1.12	2.00%	55'-4$\frac{1}{2}$"	$\frac{5}{8}$ + $\frac{5}{8}$	$\frac{5}{8}$ + $\frac{1}{2}$	2$\frac{1}{2}$	

BRIDGE NO. 1
STRUCTURE 002-0005
FOR INFORMATION ONLY

Note
See Sheets 4 & 7 for General Profile of this Approach.

THE CAIRO BRIDGE AND TERMINAL COMP.Y
MISSISSIPPI RIVER BRIDGE AT CAIRO, ILLINOIS
ILLINOIS GIRDER APPROACH DETAILS
Scale $\frac{1}{4}$"-1'-0"
WADDELL AND HARDESTY — CONSULTING ENGINEERS
NEW YORK CITY — JULY 1927

SHEET 21