



Bill of Timber (No excess)					
No.	Size	Length	Kind	Remarks	F.B.M.
20	8 x 16	26'-0"	YP	Sliding In Bents - Caps + Sills	5546
4	"	18'-0"	"	Jacking Bents - Sills	768
2	"	16'-0"	"	" " - Caps	341
36	"	14'-6"	"	Sliding In Bents - Posts	5568
36	"	14'-0"	"	" " - Sills	5376
10	"	12'-0"	"	Jacking Bents - Posts	1280
4	"	3'-0"	"	" " - Blocking	128
4	"	2'-6"	"	" " - "	107
20	5 x 8	18'-0"	YP	Sliding In Bents - Bracing	1200
20	"	7'-0"	"	" " - Struts	467
16	3 x 10	24'-0"	"	" " - Bracing	960
4	"	22'-0"	"	Jacking Bents - Bracing	220
6	"	16'-0"	"	Sliding In Bents - "	240
4	"	14'-0"	"	Sliding In Bents - "	140
8	"	3'-0"	"	Jacking Bents - Filler Blocks	60
72	3 x 8	3'-0"	Oak	Sliding In Bents - Wedges	288
8	8 x 16	1'-4"	YP	Jacking Bents - Blocking	113
Total					22802

Bill of Hardware (No excess)					
No.	Size	Length	Kind	Remarks	
4	3/4"	33"	Bolts and Nut	Jacking Bents - Posts	
10	"	30"	"	" " - Bracing	
148	"	22"	"	Jacking and Sliding In Bents - Posts + Bracing	
40	"	10"	"	Sliding In Bents - Braces	
92	3/4"	16"	Drift Bolts	Jacking and Sliding In Bents - Caps + Sills to Posts	
132	"	14"	"	" " - Sills and Blocking	
15 lbs	60 d		Nails	Sliding In Bents - Struts to Posts	
108	3/4"	6"	Lag Spikes	Slide in Bents - Caps	
404	3/4"		1/8" Washers	for 3/4" Bolts	

Bill of Structural Steel					
No.	Size	Length	Remarks	Wt. lbs.	
8	10" WF@100"	14'-11 1/8"	Sliding In Bents-B1	11996	
36	7" x 7"	0'-9"	Splice Pls.	240	
24	20" x 2"	2'-0"	Sliding Shoe Pl.	6933	
16	16" x 1 1/2"	1'-4"	Jacking Pls.	1736	
40	12" x 16"	1'-0"	Shim Plates	102	
40	12" x 8"	1'-0"	" "	204	
40	12" x 4"	1'-0"	" "	408	
40	12" x 8"	1'-0"	" "	612	
48	1" Bolt and Nut	72	Sliding Shoe Pl.	123	
72	3/8" Bolt and Nut	3"	Bm. Splice Pls.	80	
48	1" Bolts Cone Headed (See Detail)			120	
4	10" WF@100"	15'-3 3/8"	Sliding In Bents-B2	6112	
8	"	15'-6 3/8"	" " - B3	12456	
Total				41122	

Correct *[Signature]* Engineer of Structures  
 Approved *[Signature]* Chief Engineer

Drawn	L.J.C.	Traced	L.J.C.	Checked	G.R.B.
REVISIONS					
Date	By	Description			

BR. No. LA-283-170  
 N.Y.C. System Office of Chief Engineer Chicago, Ill.  
 BR. No. 100 3/4 ERIE DIVISION STA. 1481+76.1  
**GRADE SEPARATION**  
 RICHMOND ST. PAINESVILLE, OHIO  
**SLIDING IN DETAILS**  
 Sheet 18 of 19  
 N.Y.C.R.R. West Erie Division Plan No. 1103  
 Scale as shown Dec. 4, 1940 Val. Sec. 203 File No. 100-104

JACKING BENT DETAIL AND ASSEMBLY (Final raised position)  
 2-Reqd.  
 Scale 1/2"=1'-0"