GENERAL NOTES: See Sheet 5

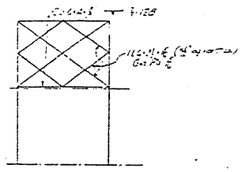
FLOOR SYSTEM: See Sheet 17

TRUSSES -

Class of Steel	Anchor Arm	Cantilever Arm	Suspended Span
per Lin. Ft. of Str.	3.34	4.11	2.61
Chords	2303#	2763#	2303#
Webs	2282#	3117#	1214#
Total	4913#	5880#	3517#

MATERIAL: Silicon steel except as noted

RIVETS - Carbon steel 7/8"



TRANS. SWAY FRAME
Main material = carbon steel

SHOE LOADS:

	Piers	Anchor Arm	Cantilever Arm
D.L.		83.5 K	113.9 K
L.L.		21.5	21.5
		105	135.4
Total		126.5 K	249.3 K

TOP LATERAL BRACING

BOTTOM LATERAL BRACING

TOP LATERAL BRACING

BOTTOM LATERAL BRACING

THE CAIRO BRIDGE AND TERMINAL COMPANY

MISSISSIPPI RIVER BRIDGE AT CAIRO, ILLINOIS

450 FT. CANTILEVER AND 355 FT. ANCHOR SPANS

STRESS SHEET

Scale: 1" = 1'-0"

WADDELL AND HARRODETT, CONSULTING ENGINEERS
NEW YORK CITY — MAY 12, 1927

SHEET 6

Revised July 14, 1927
Aug. 15, 1927

FILE NAME = c:\pw_work\pwidot\dickersonlm\d0258603\002-0005-sht-plan.dgn	USER NAME = dickersonlm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ORIGINAL PLAN DETAILS
	PLOT SCALE = 100.0000 ' / IN.	DRAWN -	REVISED -		
	PLOT DATE = 2/14/2011	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.
		DATE -	REVISED -		

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
944	(138D-BRI)-6	ALEXANDER	22	4
		CONTRACT NO. 78250		
	ILLINOIS FED. AID PROJECT			