

THEORETICAL GRADE ELEVATIONS  
ADJUSTED FOR DEAD LOAD DEFLECTION

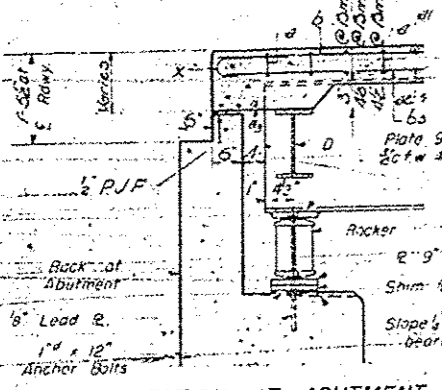
Location	On 16.5	On 24	On 3
E. Abut. N Abut.	644.07	644.97	645.00
36+103.00	644.09	644.99	645.00
36+100.30	644.90	645.00	645.03
36+109.00	644.90	645.00	645.03
36+109.40	644.89	644.99	645.00
36+109.60	644.00	644.90	645.01
E. Pier 1	644.07	644.97	645.00
36+109.70	644.89	644.99	645.00
36+109.50	644.90	645.00	645.03
36+109.60	644.91	645.01	645.04
36+109.70	644.92	645.02	645.05
36+109.80	644.91	645.01	645.04
36+109.90	644.89	644.99	645.00
36+110.00	644.00	644.90	645.01
E. Pier 2	644.07	644.97	645.00
36+110.20	644.00	644.90	645.01
36+110.30	644.99	644.99	645.00
36+110.40	644.90	645.00	645.03
36+110.50	644.90	645.00	645.03
36+110.60	644.89	644.99	645.00
E. Brg. 3 Abut.	644.07	644.97	645.00

FOR  
INFORMATION  
ONLY

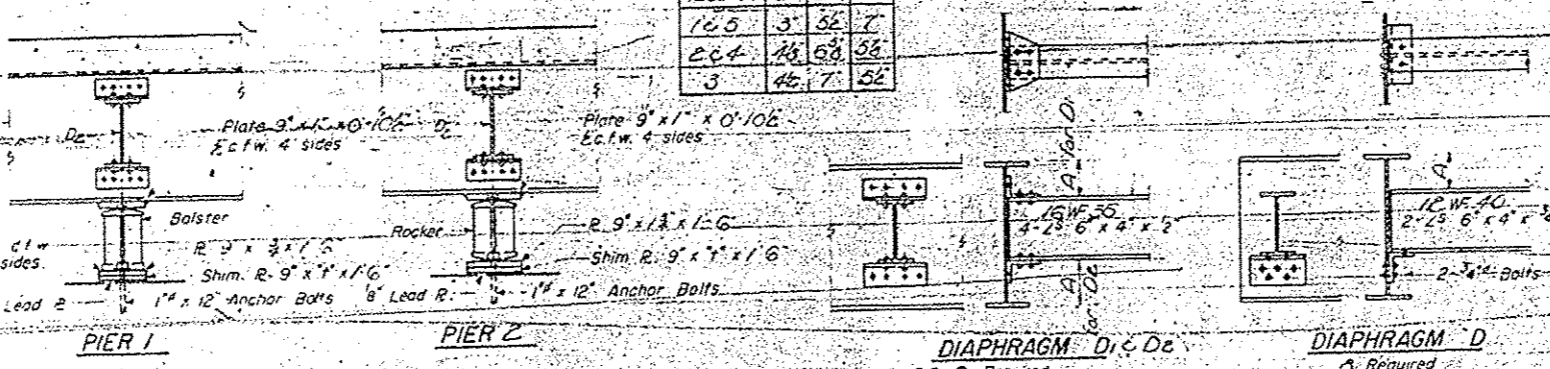


HALF FRAMING PLAN  
A-DIMENSIONS SCHEDULE

Beam	D	Di	De
16.5	3'	56"	7'
24	13'	63"	56"
3	46'	7'	56"



SECTION AT ABUTMENT



PIER 1

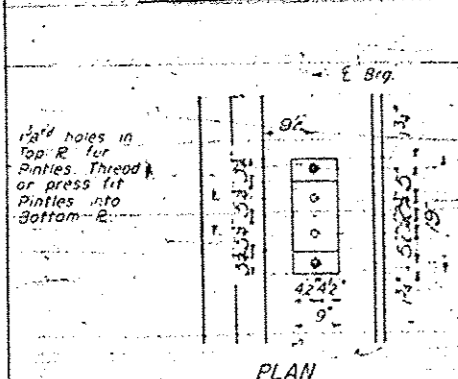
PIER 2

DIAPHRAGM D<sub>1</sub> & D<sub>2</sub>

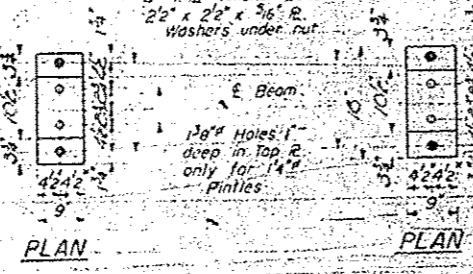
DIAPHRAGM D

ELEVATION TO TOP OF BEAMS

Beam	Elevation
16.5	644.70
24	644.37
3	644.10

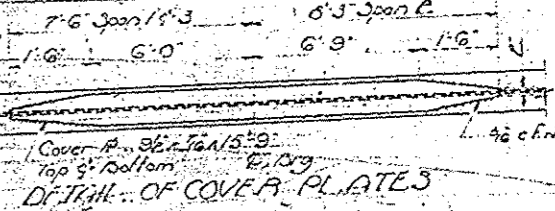


PLAN



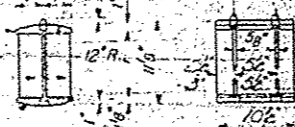
PLAN

PLAN



DETAIL OF COVER PLATES

DETAIL OF PINTLE



DETAIL OF BEARING AT PIER 2 & ABUT.

DETAIL OF BEARING AT PIER 1

DETAIL OF SPLICE

SCALE OF DIMENSIONS

Beam	All Bearings
16.5	0
24	0
3	8

STRUCTURAL STEEL  
APPLE RIVER BRIDGE  
F.A.S. RT 71 - SEC. 76-B  
JO DAVIESS COUNTY  
STA. 109 + 75.

PH Fitzgerald  
W.L. Jacobs  
W.A. Savinon  
MAY 12 1911  
W.E. Baumann  
R.F. Butcher

FILE NAME	11-194-EX-PLANS.dgn
USER NAME	rfitzanko

DESIGNED	A.R.K.	REVISOR	
CHECKED		REVISOR	
DRAWN	A.D.S.	REVISOR	
PLOT DATE	3/14/2013	REVISOR	

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CHECKED		REVISOR	
DRAWN	A.D.S.	REVISOR	
PLOT DATE	3/14/2013	REVISOR	

**FEHR GRAHAM**  
ENGINEERING & ENVIRONMENTAL  
ILLINOIS DESIGN FIRM NO. 184-00320

FREPCRT, IL ROCKFORD, IL  
ROCHELLE, IL SPRINGFIELD, IL  
MONROE, VT

FOR INFORMATION ONLY  
STRUCTURE NO. 043-3008  
SHEET NO. 19 OF 25 SHEETS

C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4	11-00138-00-BR	JODAVIESS	34	24
			CONTRACT NO. 85585	
ILLINOIS FED. AID PROJECT				