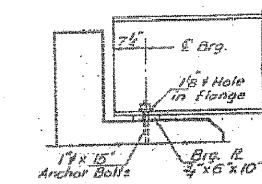


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

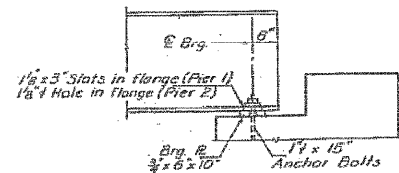
ROUTE NO. F.A.P. 885	SECTION 107BR-1	COUNTY Johnson	TOTAL SHEETS 94	SHEET NO. 52	SHEET NO. 12 19 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		

Contract #78030

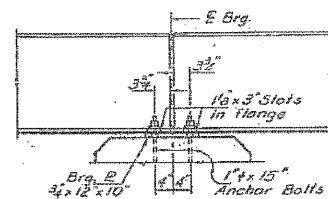
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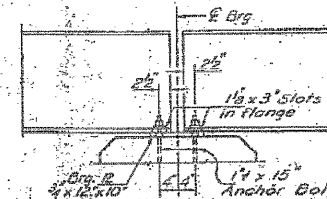
SECTION AT BENTS 1 & 7



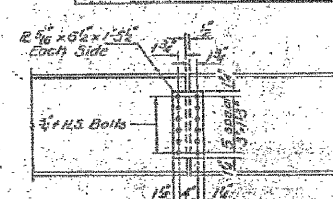
SECTION AT PIERS 1 & 2



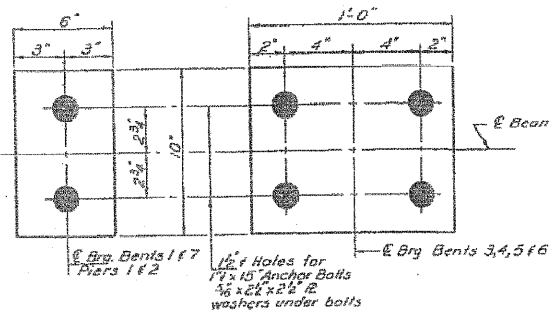
SECTION AT BENTS 3, 4 & 6



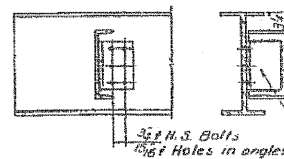
SECTION AT BENT 5



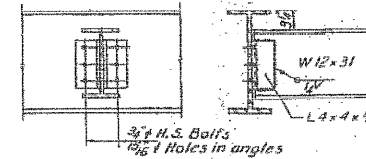
DETAIL OF SPLICE AT BENTS 3 & 6



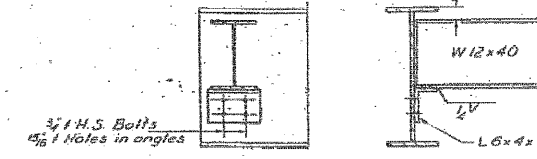
BEARING PLATES DETAIL



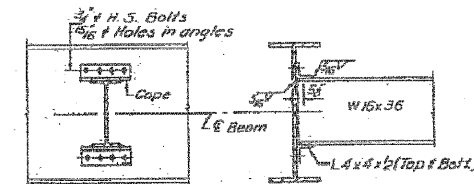
DIAPHRAGM D
4 Required



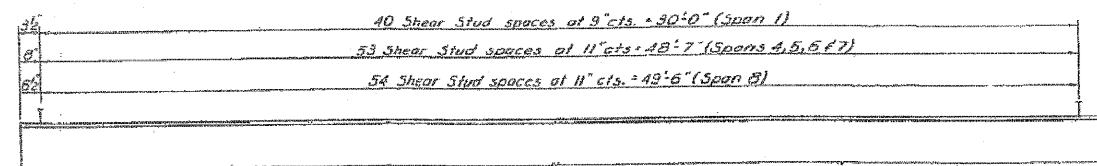
DIAPHRAGM D1
2 Required



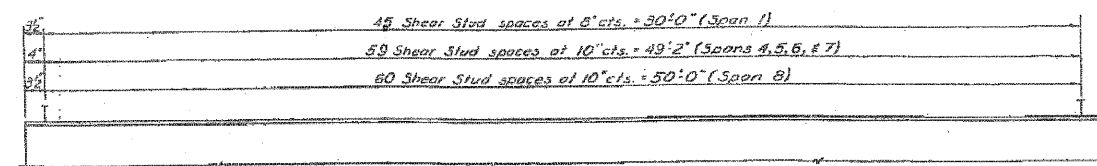
DIAPHRAGM D2
20 Required



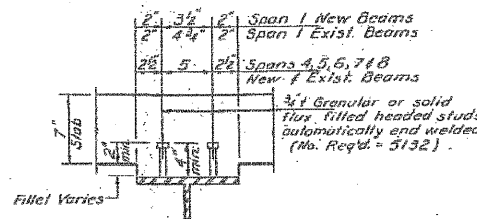
DIAPHRAGM D3
10 Required



EXISTING BEAMS SHEAR STUD SPACING



NEW BEAMS SHEAR STUD SPACING



SHEAR STUDS

NOTES:
All existing Brg. Pls shall be used. At Bent 1 and Piers the existing anchor bolts shall be removed and replaced with 1 1/4 x 15 anchor bolts. Holes in existing beams for connecting diaphragms shall be drilled after diaphragms have been connected to the new beams. Hardened washers shall be required over 1/8 inch holes in angles.

DESIGNED Raymond Paul Sumner	EXAMINED Sept 24 1975 Bob L. Johnson
CHECKED Robert Klemm	PASSED
DRAWN R. P. Sumner	APPROVED
CHECKED R.M.	

TOP OF BEAM ELEVATIONS

	Brig. Bent 1	Brig. Pier 1	Brig. Pier 2	Brig. Bent 3	Brig. Bent 4	Brig. Bent 5	Brig. Bent 6	Brig. Bent 7
New No. Beam	372.692	372.692	372.679	372.613	372.783	372.643	372.468	372.133
New So. Beam	372.692	372.692	372.679	372.613	372.783	372.643	372.468	372.133

STRUCTURAL STEEL
F.A. RT 885 SEC. 107A-DR
JOHNSON COUNTY
STA. 727+23.00

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS

HLR

3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
(217) 546-3400

ELGIN • SPRINGFIELD

PROJECT NUMBER: 12-52-0007-1 DATE: 04/02/08
DESIGNED: S.M.S. CHECKED: M.D.C. DRAWN: D.T.M.

EXISTING STRUCTURE PLANS
IL. ROUTE 146 OVER CACHE RIVER
F.A.P. ROUTE 885 / SECTION 107BR-1
JOHNSON COUNTY
STATION 727+23.00
STRUCTURE NO. 044-0014