

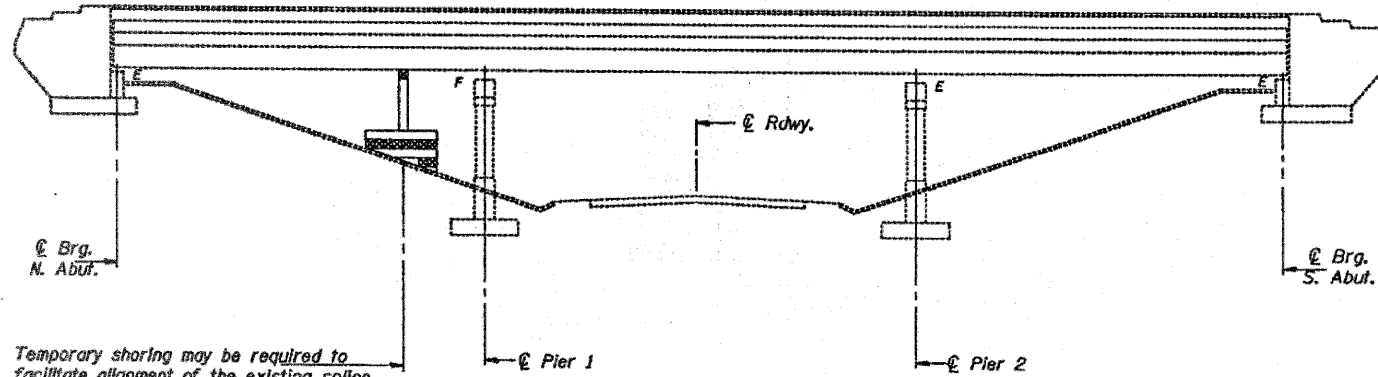
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	DISTRICT	DATE	SHEET	SHEET NO. 4
F.A.I. 74		HENRY	149	112	7 SHEETS
ILLINOIS FEDERAL PROJECT					

(37-3)RS-1 (37-4)RS & 37-4B-D

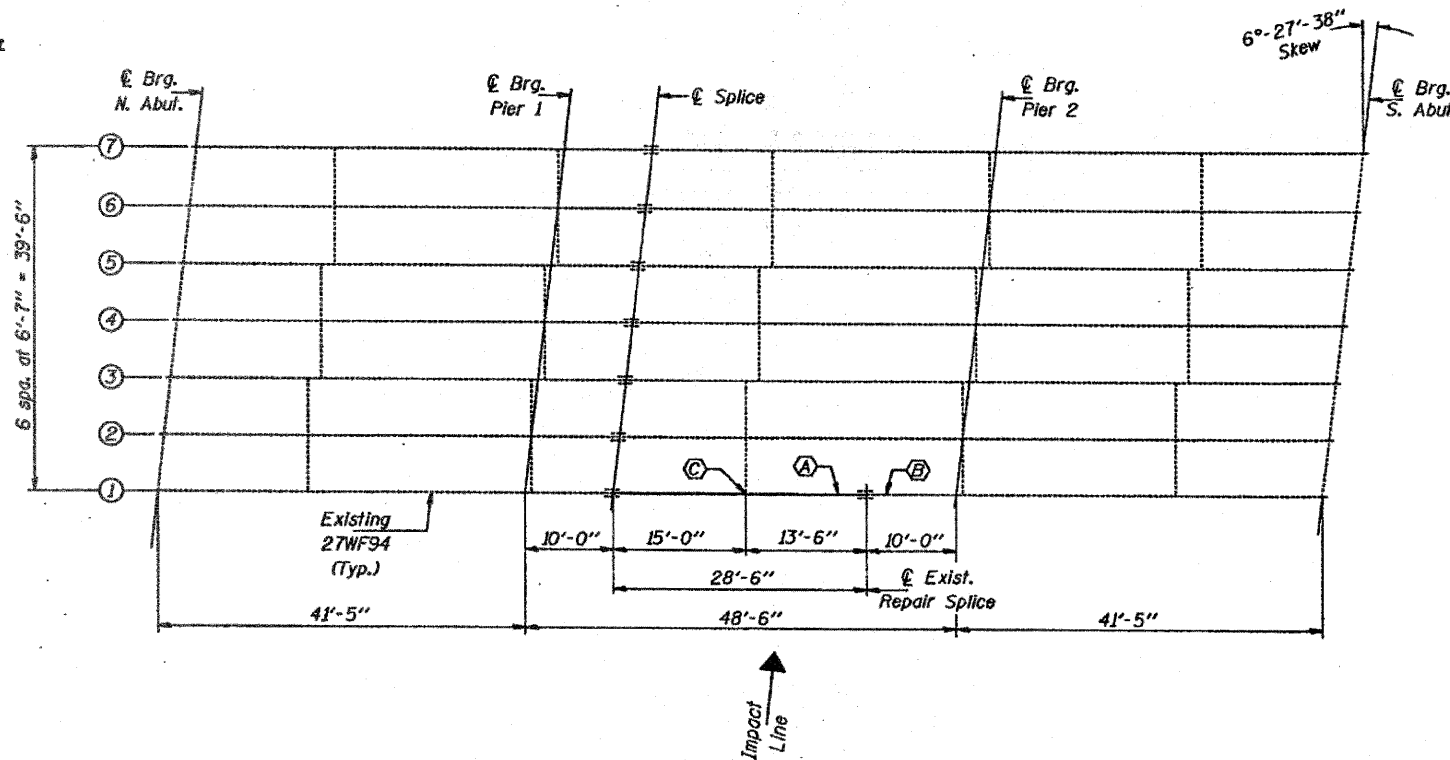
GENERAL NOTES

All new structural steel shall conform to AASHTO Classification M-270 Gr. 36. The Contractor shall provide support and/or shoring systems for the slab and beam in the area of existing beam removal. See Special Provisions "Temporary Shoring and Cribbing" and "Temporary Slab Support System."
Existing Structural steel shall only be cleaned and painted as required by the Special Provision "Cleaning and Painting Adjacent Areas of Existing Steel Structures".
The Inorganic zinc rich primer/acrylic/acrylic paint system shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the acrylic finish coat shall be Gray, Munsell No. 5B 7/1. See Special Provisions "Cleaning and Painting New Metal Structures".
Grind existing nicks, gouges and shallow cracks in the damaged beams as detailed. Ground surfaces shall be inspected for cracks using magnetic particle testing prior to initiating any beam straightening operations. Cost shall be included in the cost of "Beam Straightening". Any cracks that cannot be removed by grinding approximately 1/4" deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition.
After the new beam is in its final position and/or beam straightening operations have been completed, the Engineer in the field shall check to see that the top flange is tight against the slab. If not, the Contractor shall inject epoxy between the existing concrete deck and the top flange of the beam. See Special Provision "Epoxy Injection".
Cost of removal of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included in the cost of "Furnishing and Erecting Structural Steel".



Temporary shoring may be required to facilitate alignment of the existing splice. Use 12" x 12" Timber or HP's, to be paid for as "Temporary Shoring and Cribbing". Removal and replacement of the slope wall, if required, is included in the cost of "Temporary Shoring and Cribbing".

**EXISTING BRIDGE PLANS
FOR REFERENCE ONLY**



FRAMING PLAN

- Notes: (A) Existing Beam to be replaced.
(B) Existing Beam to be straightened.
(C) Existing diaphragm clip L's to be replaced.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY	Metric
Concrete Removal	Cu. Yd.	0.7	0.5 m ³
Concrete Superstructure	Cu. Yd.	0.7	0.5 m ³
Furnishing & Erecting Structural Steel	Pound	2840	1290 kg
Beam Straightening	L.S.	1	1
Temporary Slab Support System	L.S.	1	1
Temporary Shoring & Cribbing	L.S.	1	1

DESIGNED	<i>Anthony Vinson</i>	DECEMBER 03, 1997
CHECKED	<i>Dierbert</i>	EXAMINED <i>John E. Hanna</i>
DRAWN	<i>Dierbert</i>	MEMBER OF STRUCTURAL SERVICES
CHECKED	<i>A.Y.V.</i>	MEMBER OF BRIDGES AND STRUCTURES

BRIDGE REPAIRS
F.A.I. RT. 74 SEC 37-4HB-2
HENRY COUNTY
STA. 1468+34.24
S.N. 037-0017

FILE NAME =	USER NAME = parknsdr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING BRIDGE PLANS (FOR REFERENCE ONLY)	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pwork\pwidot\PERKINS\DR\des36777\d00290-shr-deta1.sdg	00290-shr-deta1.sdg	DRAWN -	REVISED -			74	37-4HB,4HB-1,4HB-2/D	HENRY	148	130
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 64264				
PLOT DATE = Wed Aug 05 07:35:12 2009		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				