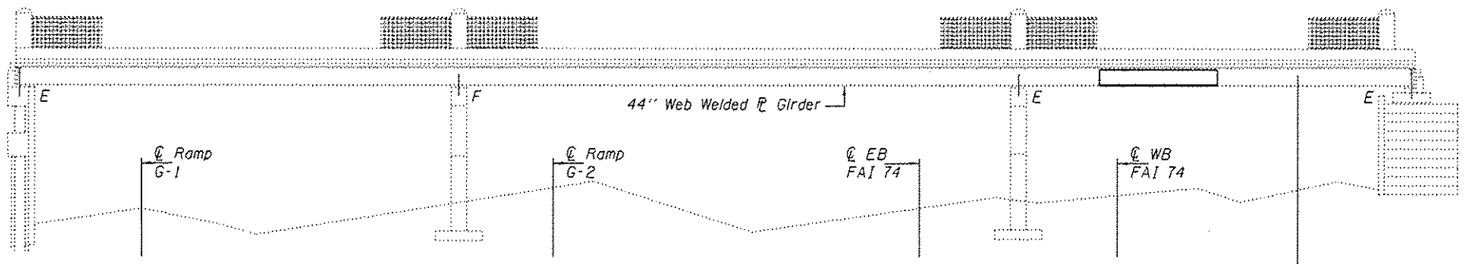
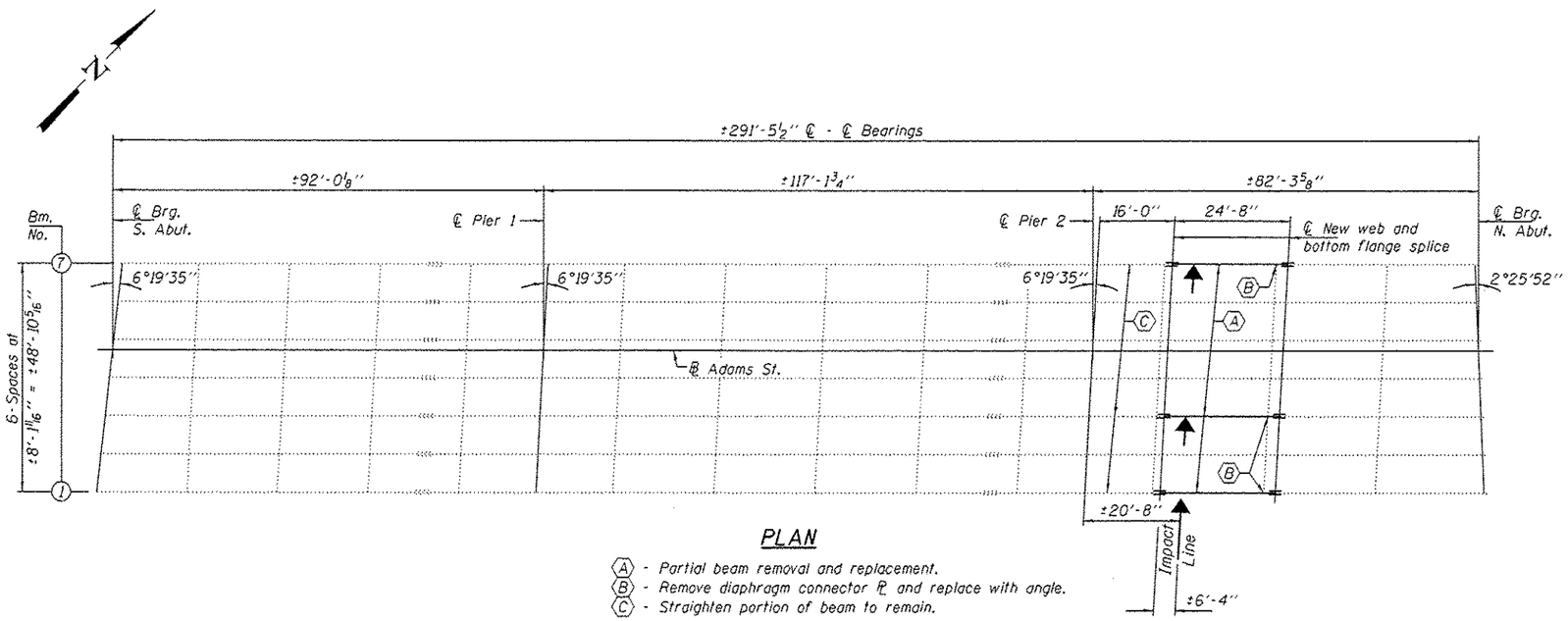


ELEVATION

Temporary shoring may be required to facilitate alignment of existing splice. Use 12" x 12" Timbers or HP's to be paid for as Temporary Shoring and Cribbing.



PLAN

(A) - Partial beam removal and replacement.
(B) - Remove diaphragm connector ℙ and replace with angle.
(C) - Straighten portion of beam to remain.

Note:
Dimensions have been converted from existing metric plans. The Contractor shall field verify all measurements prior to ordering of materials.

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 50, unless otherwise noted.

Calculated weight of Structural Steel = 12.140 lbs.

Fasteners shall be high strength bolts. Bolts $\frac{7}{8}$"ϕ. open holes $\frac{15}{16}$"ϕ, unless otherwise noted.

Diaphragm connection holes shall be $\frac{15}{16}$"ϕ for $\frac{3}{4}$"ϕ bolts. Two hardened washers shall be required at diaphragm connections.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.

The Organic Zinc Rich Primer/Epoxy/Urethane paint system shall be used for painting of new structural steel except where otherwise noted. The entire system shall be shop applied, with the exception that the exterior surfaces and bottom of the bottom flange of the fascia beams, masked off connection surfaces, and field installed fasteners, all of which shall be touched up and finish coated in the field. The color of the final finish coat for all steel surfaces shall be gray, Munsell No. 5B 7/1. See Special Provision for "Cleaning and Painting New Metal Structures".

LICENSED STRUCTURAL ENGINEER
DAVID CARL PUZEY
081-005470
SPRINGFIELD ILLINOIS
STATE OF ILLINOIS

EXPIRES 11-30-2014

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Furnishing Structural Steel	LS	1

DESIGNED	J.E. Eichen	EXAMINED	Timothy A. Sheldon — ACTING ENGINEER OF STRUCTURAL SERVICES
CHECKED	Arnon T. Holloway	PASSED	D. Carl Puzey — ACTING ENGINEER OF BRIDGES AND STRUCTURES
DRAWN	baliva	DATE	NOVEMBER 18, 2013
CHECKED	ATH	REVISED	
		REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND ELEVATION
ADAMS ST. OVER FAI 74
SN 072-0182
SHEET NO. 1 OF 3 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	04 MCHD 2014-1	PEORIA	8	3

CONTRACT NO. 68B64
ILLINOIS FED. AID PROJECT