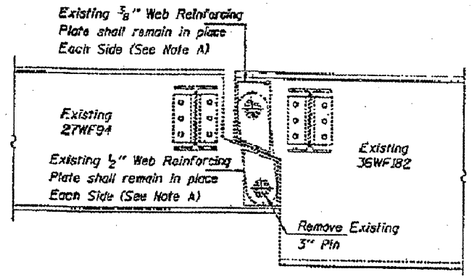
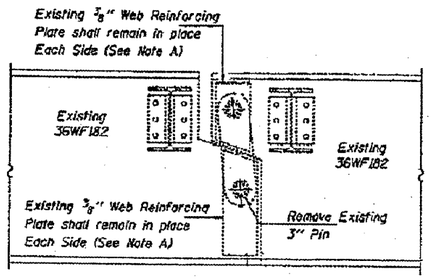
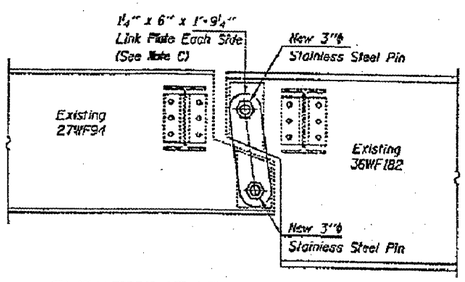


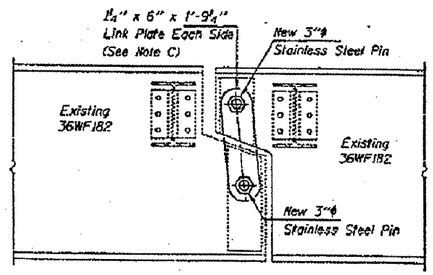
ELEVATION AT EXISTING PIN ASSEMBLY FOR INTERIOR BEAMS



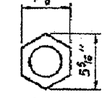
ELEVATION AT EXISTING PIN ASSEMBLY FOR EXTERIOR BEAMS



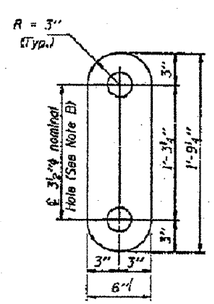
ELEVATION AT NEW PIN ASSEMBLY FOR INTERIOR BEAMS



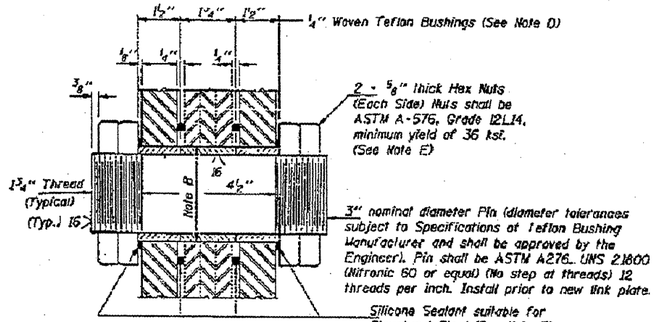
ELEVATION AT NEW PIN ASSEMBLY FOR EXTERIOR BEAMS



NUT DETAIL
(96 Required)



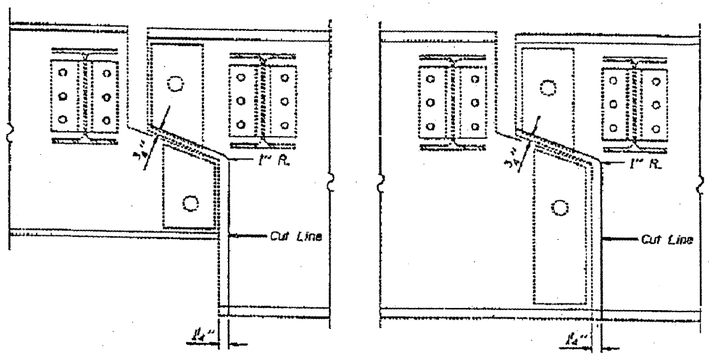
LINK PLATE DETAIL
(24 Required)



SECTION THRU PIN
(24 Required)

Note A:
Existing welds shall be inspected for cracks using liquid dye penetrant or magnetic particle testing. Any cracks that are found shall be identified and reported to the Bureau of Bridges and Structures for further disposition. Clean and paint before installing new link plates.

Note C:
Inside face of new link plates shall receive first field coat in shop. The primer shall pass the M.E.K. Rub Test before the first field coat is applied.



Apply 3/8" bead to face of the web reinforcing plates approximately 1/2" from bushing immediately before installing new link plates. Place sealant around nuts after installation. Sealant shall be suitable for prolonged exterior exposure without losing flexibility or adhesion to painted steel surfaces. Proposed products shall be subject to Department's acceptance based on documented testing or other evidence.

NOTES

All new structural steel shall conform to AASHTO Classification M-270 Gr. 36.

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 Interstate Green, Munsell No. 7.5G 4/8. See Special Provisions "Cleaning and Painting New Metal Structures". Cost shall be included in the cost of "Pin and Link Plate Replacement".

Existing structural steel shall be cleaned and painted as required by the Special Provision "Cleaning and Painting Adjacent Areas of Existing Steel Structures". Cost shall be included in the cost of "Pin and Link Plate Replacement."

All existing steel surfaces behind link plates shall be cleaned and primed before installation of new link plates. Cost shall be included in the cost of "Pin and Link Plate Replacement."

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Temporary Support System	Each	12
Pin and Link Plate Replacement	Each	12

PIN AND LINK PLATE REPLACEMENT
F.A.I. RT. 57 SEC. X1-4HB-2
WILLIAMSON COUNTY

BRIDGE NO. 2
FOR INFORMATION ONLY

FILE NAME =	USER NAME = gautneyrk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			903 815	(X1-4)P-1, (97-1)P-1	WILLIAMSON, WHITE	10	10
	PLOT SCALE = 4915.2000 ' / IN.	CHECKED -	REVISED -					CONTRACT NO. 78139		
	PLOT DATE = 8/24/2009	DATE -	REVISED -		SCALE: ____ SHEET NO. __ OF ___ SHEETS STA. ____ TO STA. ____			ILLINOIS FED. AID PROJECT		