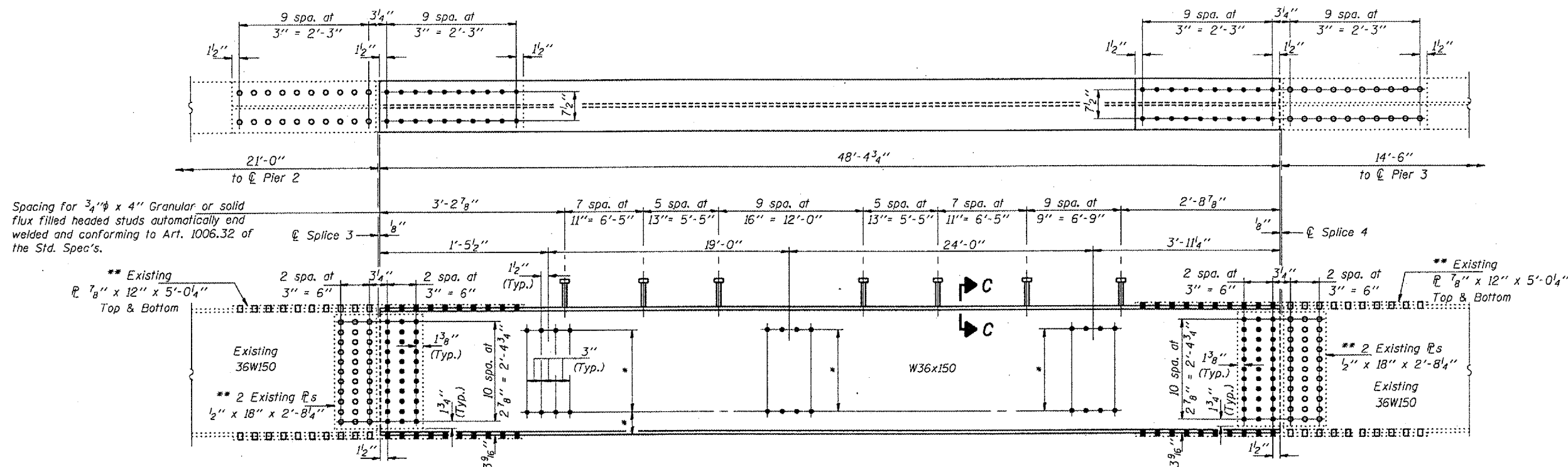


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 61	531-4HB	COOK	10	7
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

Contract No. 62865

SHEET NO. 3
3 SHEETS



Spacing for 3/4"φ x 4" Granular or solid flux filled headed studs automatically end welded and conforming to Art. 1006.32 of the Std. Spec's.

** Existing 7/8" x 12" x 5'-0 1/4" Top & Bottom

Existing 36W150

** 2 Existing R's 1/2" x 18" x 2'-8 1/4"

** Existing 7/8" x 12" x 5'-0 1/4" Top & Bottom

** 2 Existing R's 1/2" x 18" x 2'-8 1/4"

Existing 36W150

** Exist. R's to be matched marked, removed and reused.

ELEVATION BEAM 14

* Holes to be located and drilled in field.

Use bottom flange of existing diaphragm as template to drill holes in horizontal leg of clip angle.

Existing 16WF36

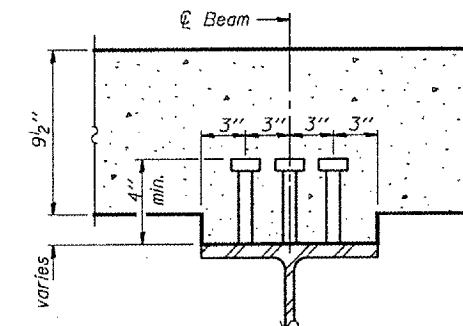
Replace Existing Clip L with L 1/2 x 6 x 4 x 12"

∅ Bm. 14

3 spa. at 3" = 9"

REPAIR B

No. Req'd.: Two (2) Clip L's



SECTION C-C

Notes: Natural camber of new beam shall be placed upward for fabrication. Fasteners shall be high strength bolts. Flange splice holes shall be 1 5/16"φ for 7/8"φ bolts. Web splice holes shall be 3/16"φ for 3/4"φ bolts. Diaphragm connection holes shall be 5/16"φ for 3/4"φ bolts. Two hardened washers shall be required at diaphragm connections.

DESIGNED	VHV
CHECKED	MJT
DRAWN	baliva
CHECKED	VHV MJT

APRIL 11, 2005
EXAMINED *John A. Morris*
ENGINEER OF STRUCTURAL SERVICES
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES

BRIDGE REPAIRS
IL. RT. 68 (DUNDEE RD.) OVER
F.A. RTE. 61 (IL. RT. 53) SEC. 531-4HB
COOK COUNTY
S.N. 016-0961