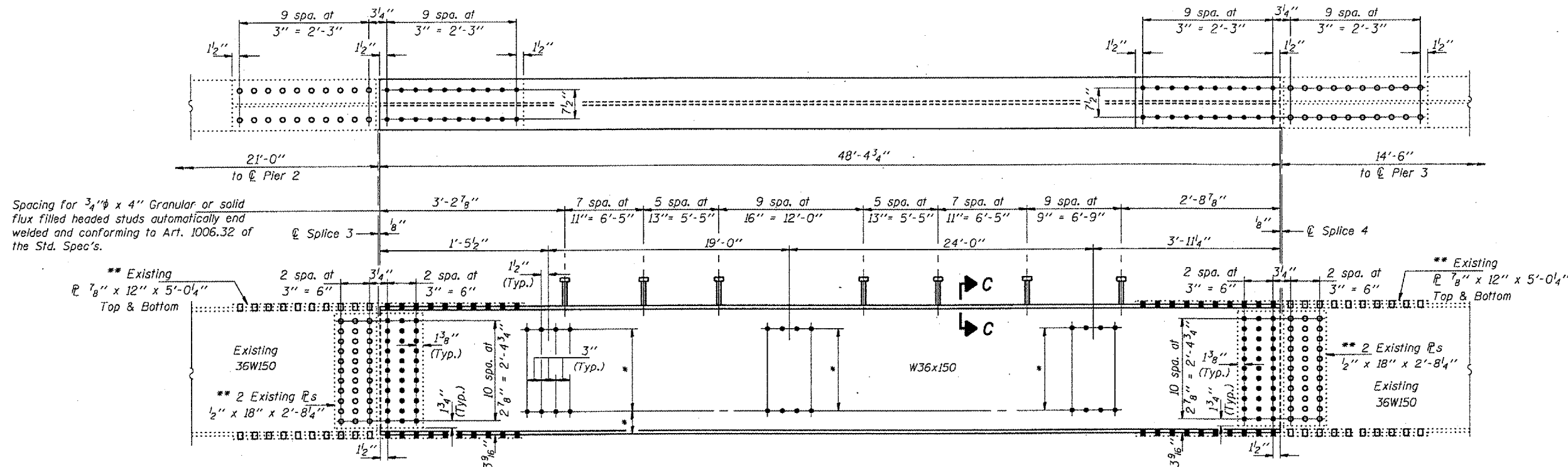


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET
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

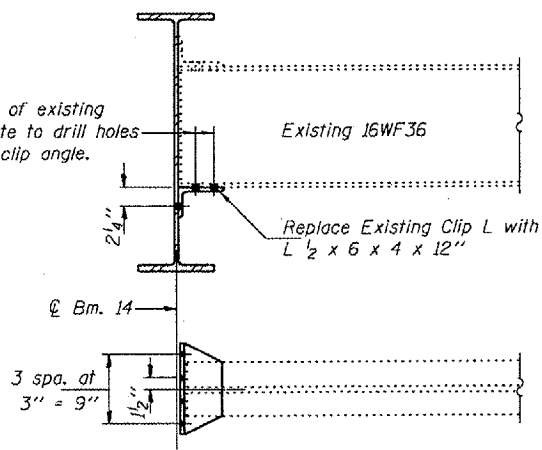
** 2 Existing Pl's 1/2" x 18" x 2'-8 1/4"

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

ELEVATION BEAM 14

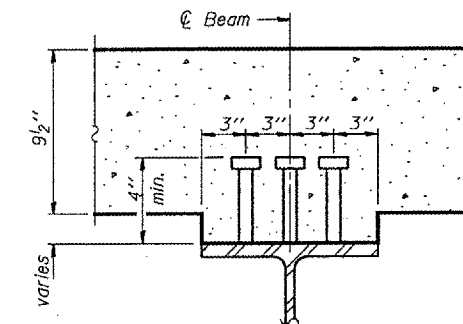
* Holes to be located and drilled in field.

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



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 15/16" φ for 7/8" φ bolts. Web splice holes shall be 15/16" φ for 3/4" φ bolts. Diaphragm connection holes shall be 15/16" φ for 3/4" φ bolts. Two hardened washers shall be required at diaphragm connections.

DESIGNED	VHV
CHECKED	MJT
DRAWN	balva
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