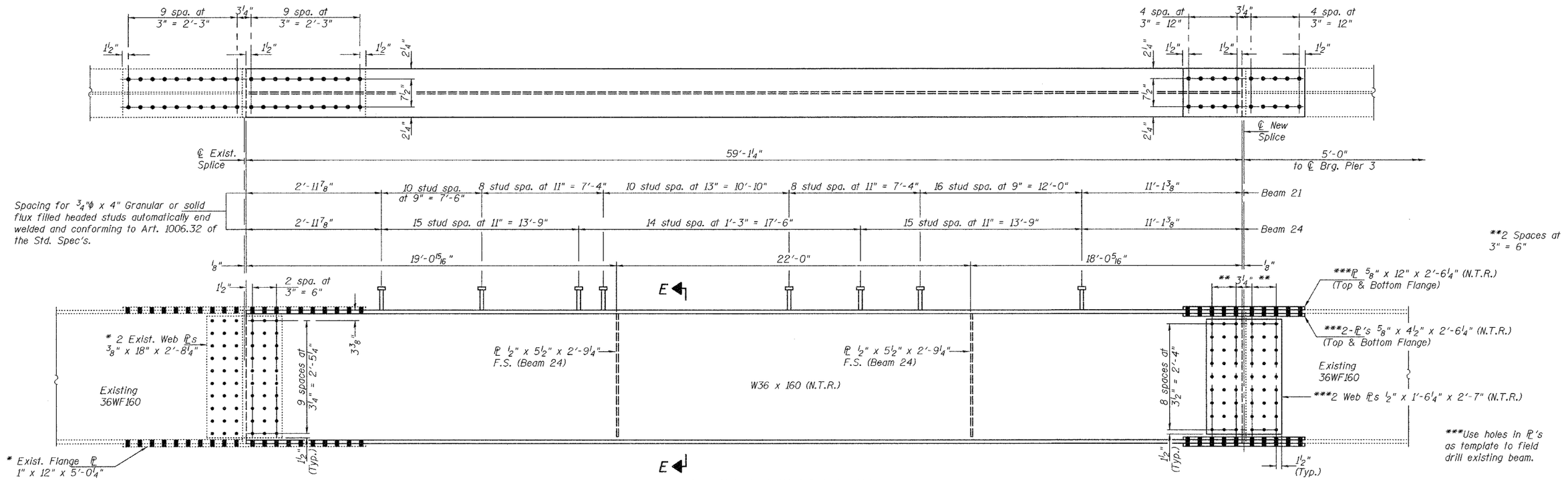
# STATE OF ILLINOIS
# DEPARTMENT OF TRANSPORTATION

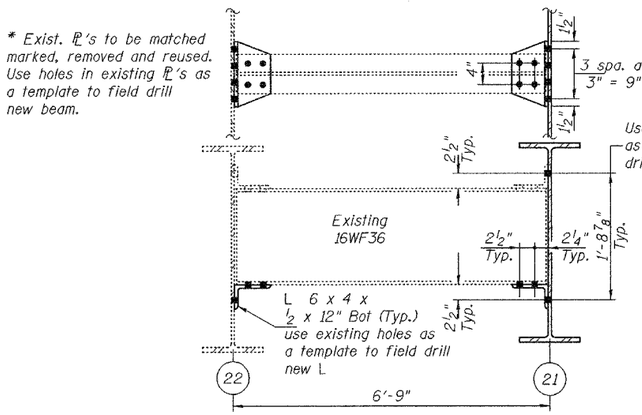
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | | Cook | 14 | 8 |
| FED. ROAD DIST. NO. 7 | | ILLINOIS | FED. AID PROJECT- | |

SHEET NO. 5
5 SHEETS

Contract Number: 60A60

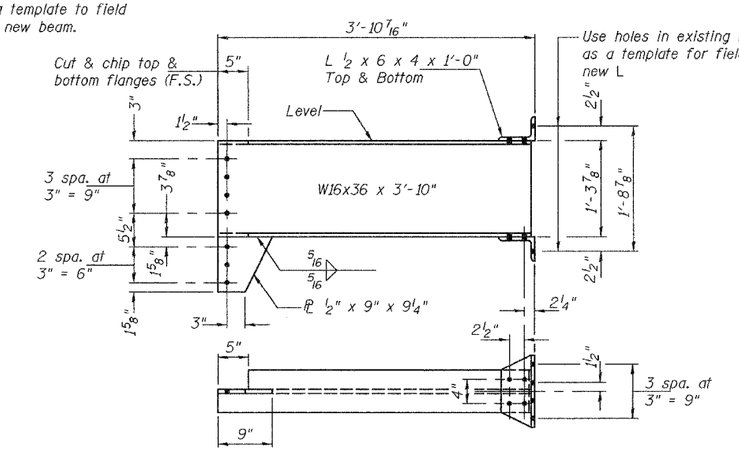



## ELEVATION BEAMS 21 AND 24
(Looking West)

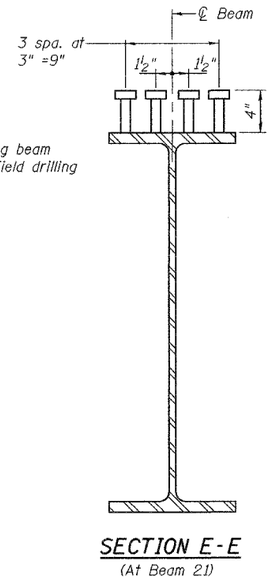



## CLIP L REPLACEMENT DETAIL

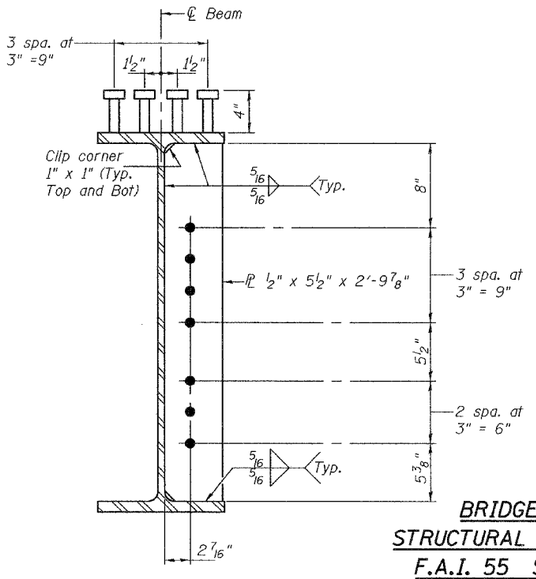
Notes:
Natural camber of new beam shall be placed upward for fabrication.
Fasteners shall be high strength bolts. Flange splice holes shall be ¹⁵⁄₁₆"ϕ for ⅞"ϕ bolts. Web splice holes shall be ¹³⁄₁₆"ϕ for ¾"ϕ bolts.
Diaphragm connection holes shall be ¹⁵⁄₁₆"ϕ for ¾"ϕ bolts. Two hardened washers shall be required at diaphragm connections.




## DIAPHRAGM REPLACEMENT DETAIL




## SECTION E-E
(At Beam 21)




## SECTION E-E
(At Beam 24)

| | |
|---|---|
| DESIGNED | S.J.B. |
| CHECKED | V.H.V. |
| DRAWN | Drew Christopher |
| CHECKED | S.J.B. V.H.V. |

November 9, 2005
EXAMINED John A. Morris
ENGINEER OF STRUCTURAL SERVICES
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

# BRIDGE REPAIRS
# STRUCTURAL STEEL DETAILS
# F.A.I. 55 SEC. 207-0708
# COOK COUNTY
# S.N. 016-0316

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