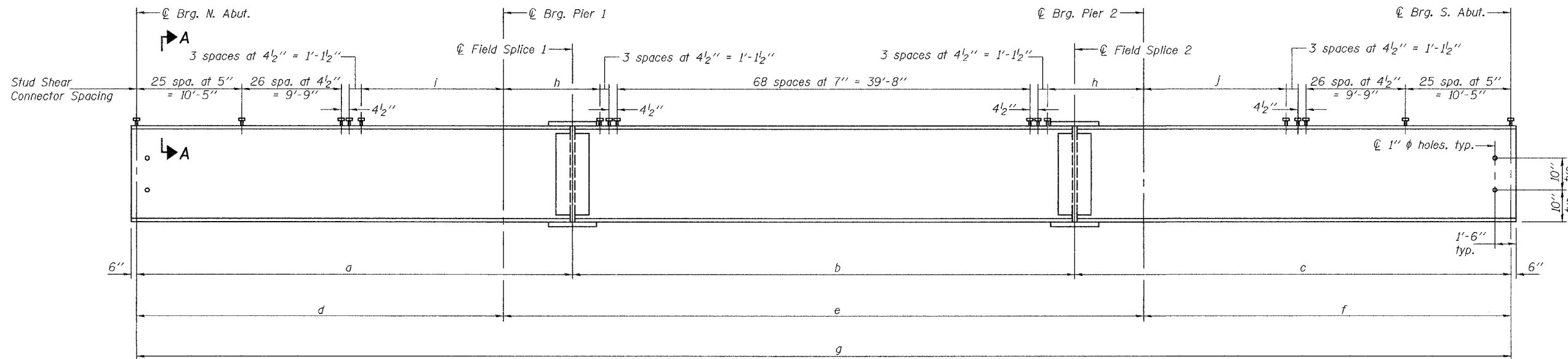


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

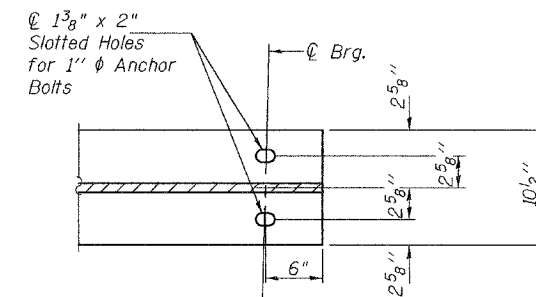
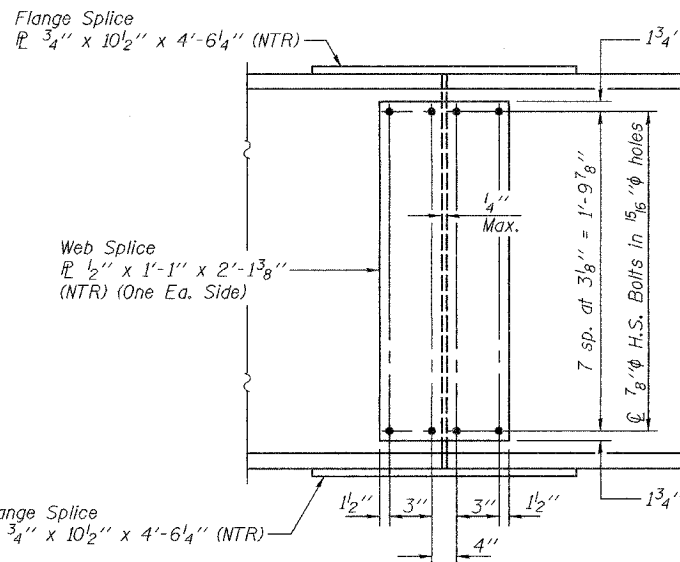
| | | | | | |
|-----------------------|---------------|------------------|-----------------|-----------|--------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. 27 |
| F.A.I. 57 | (X1-6-2) VB-2 | WILLIAMSON | 917 | 860 | 51 SHEETS |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT | Contract #98950 | | |



ELEVATION

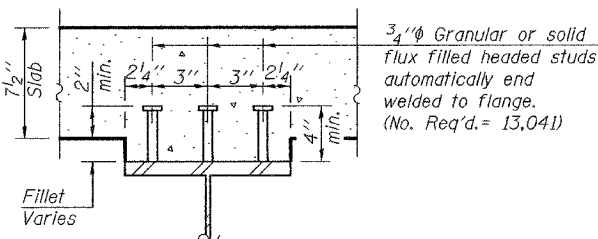
All beams W30x99 and Splice plates shall be AASHTO M270 Grade 50 and shall meet Notch Toughness Requirements (NTR).

| Beam No. | a | b | c | d | e | f | g | h | i | j |
|----------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|--------|-------------------------------------|-------------------------------------|
| 1-20 | 41'-7" | 47'-4" | 41'-7" | 35'-1" | 60'-4" | 35'-1" | 130'-6" | 8'-10" | 13'-5" | 13'-5" |
| 21 | 41'-6 ³ / ₄ " | 47'-3 ⁷ / ₈ " | 41'-6 ³ / ₄ " | 35'-0 ⁷ / ₈ " | 60'-3 ⁵ / ₈ " | 35'-0 ⁷ / ₈ " | 130'-5 ³ / ₈ " | 8'-10" | 13'-4 ⁷ / ₈ " | 13'-4 ⁷ / ₈ " |
| 22 | 41'-6 ³ / ₄ " | 47'-3 ⁵ / ₈ " | 41'-6 ³ / ₄ " | 35'-0 ³ / ₄ " | 60'-3 ⁵ / ₈ " | 35'-0 ³ / ₄ " | 130'-5 ¹ / ₈ " | 8'-10" | 13'-4 ³ / ₄ " | 13'-4 ³ / ₄ " |
| 23 | 41'-6 ⁷ / ₈ " | 47'-3 ³ / ₄ " | 41'-6 ⁷ / ₈ " | 35'-0 ⁷ / ₈ " | 60'-3 ³ / ₄ " | 35'-0 ⁷ / ₈ " | 130'-5 ¹ / ₂ " | 8'-10" | 13'-4 ⁷ / ₈ " | 13'-4 ⁷ / ₈ " |



END OF BEAM DETAIL

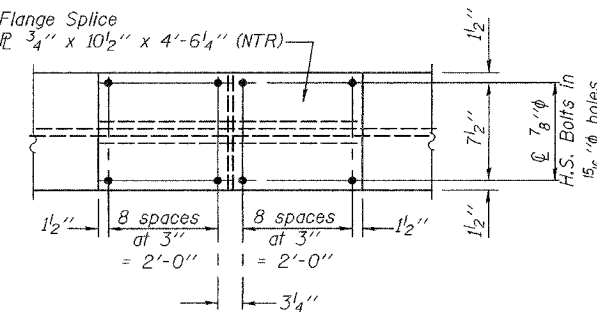
Note: "NTR" denotes plates to which notch toughness requirements are applicable. Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.



SECTION A-A

DESIGNED Michael D. Cima
CHECKED Fess Teklehaimanot
DRAWN BECKY M. LEACH
CHECKED M.D.C. & F.T.

January 22, 2007
EXAMINED Thomas J. Domagala
PASSED Ralph E. Anderson



FIELD SPLICE DETAIL

(46 Required)
For Splice locations 1 & 2

STRUCTURAL STEEL DETAILS
F.A.I. RT. 57 SEC. (X1-6-2)VB-2
WILLIAMSON COUNTY
STA. 1516+58.56
S.N. 100-0086 (N.B.)
S.N. 100-0087 (S.B.)