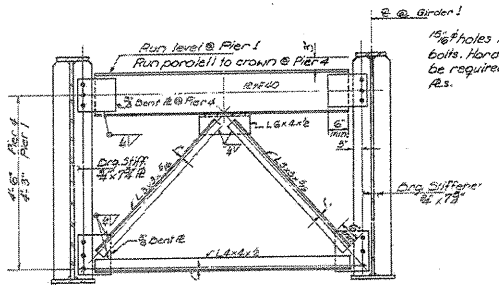


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

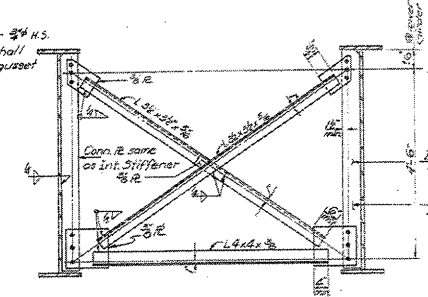
| | | | | |
|---------|-----|-------|-------|-----------|
| PROJECT | NO. | DATE | SCALE | SHEET NO. |
| LA 29 | 15 | 10/25 | SC 85 | 30 SHEETS |

TOP OF WEB ELEVATIONS

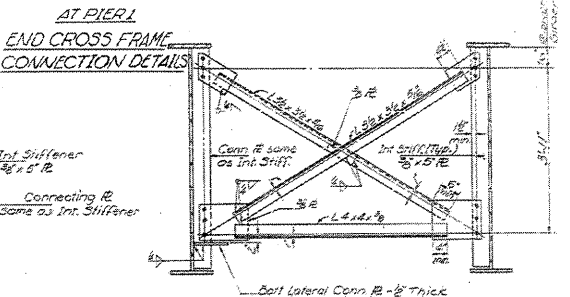
| Station | Top of Pier 1 | Top of Pier 2 | Top of Pier 3 | Top of Pier 4 | Top of Pier 5 | Top of Pier 6 |
|---------|---------------|---------------|---------------|---------------|---------------|---------------|
| 1 | 436.18 | 436.20 | 436.60 | 436.69 | 436.99 | 437.35 |
| 2 | 436.36 | 436.67 | 436.79 | 436.91 | 437.25 | 437.57 |
| 3 | 436.45 | 436.81 | 436.96 | 437.11 | 437.25 | 437.51 |
| 4 | 436.45 | 436.87 | 437.08 | 437.23 | 437.42 | 437.64 |
| 5 | 436.52 | 436.84 | 437.13 | 437.42 | 437.57 | 437.73 |
| 6 | 436.78 | 436.73 | 437.76 | 437.94 | 438.21 | 438.54 |



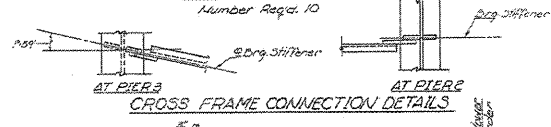
TYPICAL CF FRAME
Number Reqd. 10



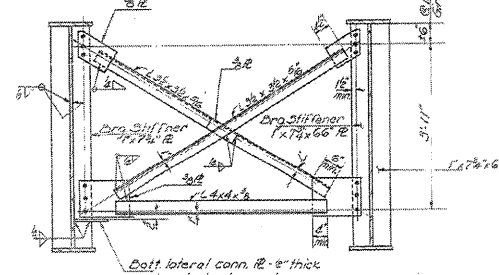
TYPICAL CF CROSS FRAME
Number Reqd. 30



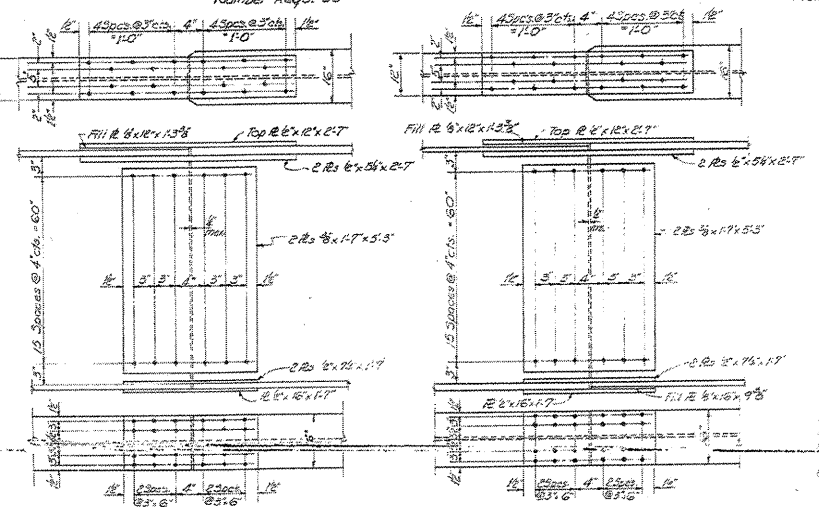
TYPICAL CF CROSS FRAME
Number Reqd. 30



CROSS FRAME CONNECTION DETAILS



TYPICAL CF CROSS FRAME
Number Reqd. 10



FIELD SPLICE #4 4 bolts 3/4\"/>

FIELD SPLICE #5 5 bolts 3/4\"/>

INTERIOR GIRDER MOMENT TABLE

| Station | 1st | 2nd | 3rd |
|------------|-------|-------|-------|
| 10 (ft) | 35626 | 34476 | 32411 |
| 20 (ft) | 35626 | - | 31389 |
| 30 (ft) | 1162 | 2410 | 1883 |
| 40 (ft) | 1509 | - | 1716 |
| 50 (ft) | 901 | 979 | 973 |
| 60 (ft) | 770 | 792 | 761 |
| 70 (ft) | 80 | 90 | 78 |
| 80 (ft) | 471 | 471 | 471 |
| 90 (ft) | 249 | 208 | 210 |
| 100 (ft) | 946 | 1065 | 1034 |
| 110 (ft) | 205 | 208 | 197 |
| TOTAL (ft) | 1625 | 2379 | 1997 |
| 10 (ft) | 22.5 | 10.2 | 25.6 |
| 20 (ft) | 69.2 | 24.1 | 19.8 |
| 30 (ft) | 28.1 | 28.1 | 22.0 |

INTERIOR REACTION TABLE

| Station | 1st | 2nd |
|----------|------|------|
| 10 (ft) | 22.5 | 25.6 |
| 20 (ft) | 24.1 | 22.0 |
| 30 (ft) | 28.1 | 28.1 |
| 40 (ft) | 28.1 | 22.0 |
| 50 (ft) | 22.0 | 28.1 |
| 60 (ft) | 22.0 | 22.0 |
| 70 (ft) | 22.0 | 22.0 |
| 80 (ft) | 22.0 | 22.0 |
| 90 (ft) | 22.0 | 22.0 |
| 100 (ft) | 22.0 | 22.0 |
| 110 (ft) | 22.0 | 22.0 |

10 and 20 are the moment of inertia and section modulus of the steel section.
20 and 30 are the moment of inertia and section modulus of the composite section used in computing I_c.
I_c is the moment of inertia of the composite section.
I_c is the moment of inertia of the composite section.

DESIGNED *[Signature]*
CHECKED *[Signature]*
DRAWN *[Signature]*
APPROVED *[Signature]*

STRUCTURAL STEEL DETAILS
FA. RT. I SPUR SEC. 15-1
LAWRENCE COUNTY
STA. 29+39.54

74520
8 of 9
SHEET 74520