CONTRACT NO. 66407

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 80 | 32-3HBR-1 | GRUNDY | 88 | 56 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

SHEET NO. 829

OF 35 SHEETS

# STATE OF ILLINOIS
# DEPARTMENT OF TRANSPORTATION

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

Note-Contractor shall make allowances for shrinkage of forms & D.L. Deflection

DEFLECTION DIAGRAM

GIRDER ORDINATES (ALL GIRDERS)

SECTION A-A

SECTION THRU DRAIN
Cost of aluminum tubing to be included in cost of Class X Concrete

PIER 2

PIERS 1 & 3

BAR-d

PLAN - PLATES

ROLSTER

ROCKER

PINTLE

ELEVATION

BAR LIST

| Bar | No. | Size | Length | Shape |
|---|---|---|---|---|
| a | 169 | #5 | 27'-9" | |
| b | 408 | #5 | 27'-0" | |
| $a_2$ | 16 | #6 | 34'-0" | |
| $a_3$ | 330 | #4 | 24'-3" | |
| $b_1$ | 32 | #3 | 16'-0" | |
| $b_2$ | 32 | #3 | 11'-0" | |
| $b_3$ | 32 | #6 | 23'-6" | |
| $b_4$ | 16 | #6 | 12'-0" | |
| c | 460 | #4 | 64'-7" | |

BILL OF MATERIAL - SUPERSTRUCTURE

| Item | Unit | Quantity |
|---|---|---|
| Class X Concrete | C.Yds | 346.5 |
| Reinforcement Bars | Lbs | 25200 |
| Structural Steel | Lbs | 9190 |
| Joint Seals | Ft | one |

TABLE OF "F" DIMENSIONS

| Bearing No. | 3 | 2 |
|---|---|---|
| No. Abut. | 1⅛" | |
| So. Abut. | | 1⅛" |

PLAN

QUARTER PLAN
Showing Slab Reinforcement

STRAP DETAIL
2"x⅜"x1'-0"

BAR-a2

END BEAM

CROSS SECTION
For Reinforcement in Top of Slab & Beams - See Sheet #2
Looking South

| | | |
|---|---|---|
| DESIGNED | T. Tanaka | Nov. 14 1957 |
| CHECKED | W.B. Hall | |
| DRAWN | T.T. | |
| CHECKED | D.P.S. | |
| DRAWING | M. Romero | |
| PASSED | E.F. Stucki | |
| APPROVED | P.R. Bartholomew | |

Revised 1-23-58 - Wing. On cross section, showed 3/8" x 2" strip notch (full length of bridge). 1-17-58 Add. 18 each wing bars. Area in Sq. Ft.

SLAB & BEARING DETAILS
BRIDGE OVER F.A.I. RT. 6
F.A.I. RT. 6 SEC. 32-3HB-1
GRUNDY COUNTY
STA. 1266+24.58 (F.A.I. 6)

FOR INFORMATIONAL USE ONLY

| REVISIONS NAME | DATE |
|---|---|
| | |

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING PLANS

F.A.I. 80 (I-80)
F.A.U. 5974 (ASHLEY ROAD) OVER I-80
SECTION 32-3HBR-1
GRUNDY COUNTY
STATION 110+00.00 STRUCTURE NO. 032-0113

DESIGNED BY: JML DRAWN BY: DJM

DATE: 09/09/05 CHECKED BY: MSW

FARNSWORTH GROUP, INC. CONSULTING ENGINEERS - 2709 MCGRAW DRIVE BLOOMINGTON, ILLINOIS 61704 (309) 663-8435 / (309) 663-1571 FAX