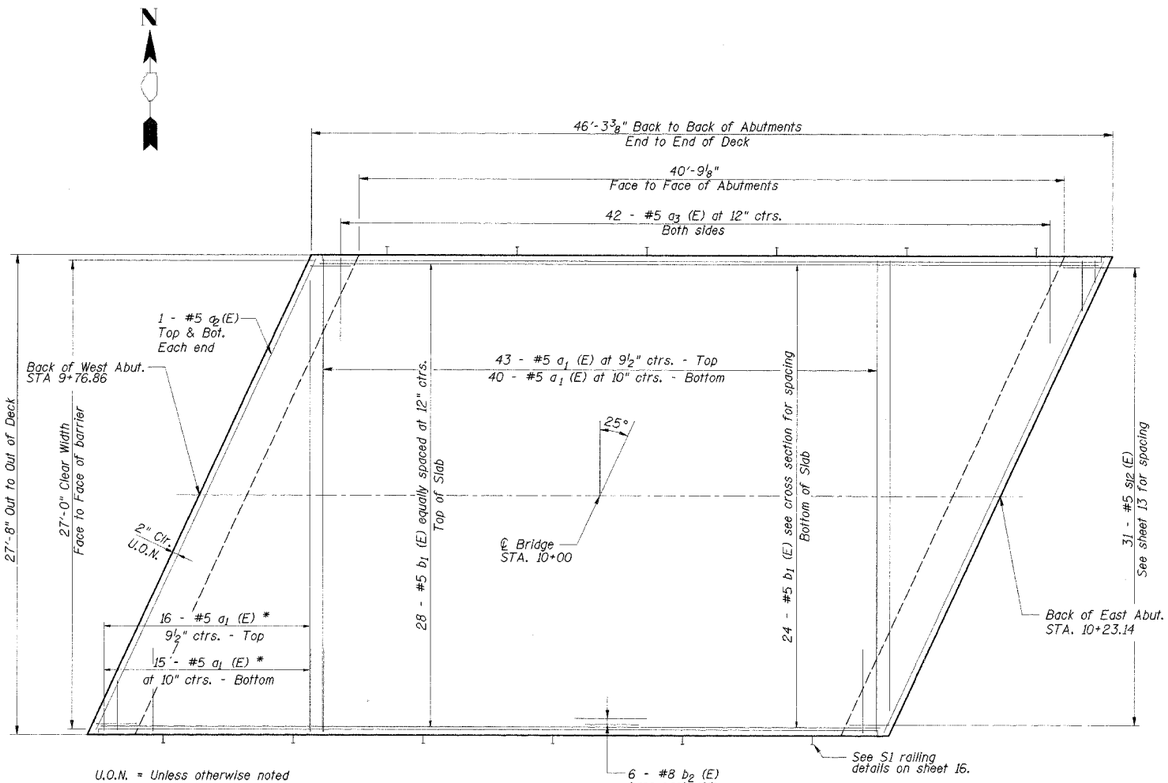
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| TR 373 | * | Vermilion | 19 | 8 |
| FED. ROAD DIST. NO. 7 | | ILLINOIS | FED. AID PROJECT- | |

*02-04130-00-BR

## BILL OF MATERIAL SUPERSTRUCTURE

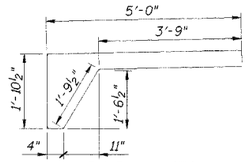
| Bar | No. | Size | Length | Shape |
|---|---|---|---|---|
| $a_1$ (E) | 114 | #5 | 27'-4" | |
| $a_2$ (E) | 4 | #5 | 30'-2" | |
| $a_3$ (E) | 84 | #5 | 12'-9" | |
| $b_1$ (E) | 52 | #5 | 45'-11" | |
| $b_2$ (E) | 12 | #8 | 45'-11" | |
| $s_{12}$ (E) | 62 | #5 | 8'-0" | |
| $m_1$ (E) | 66 | #5 | 5'-2" | |
| $m_2$ (E) | 6 | #5 | 30'-2" | |
| $v_{10}$ (E) | 120 | #5 | 4'-10" | |
| Reinforcement Bars, Epoxy Coated | | | Lbs. | 10,120 |
| Concrete Superstructure | | | Cu. Yds. | 48.4 |



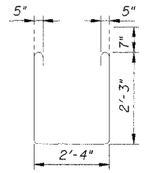

U.O.N. = Unless otherwise noted

* Cut bars in field to fit skew and use remainder at the opposite end of the deck.

PLAN
Symmetrical about ℄

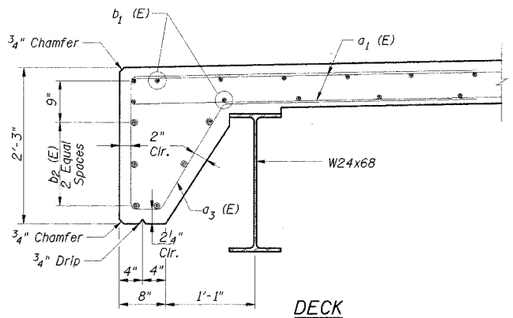



BAR $a_3$ (E)

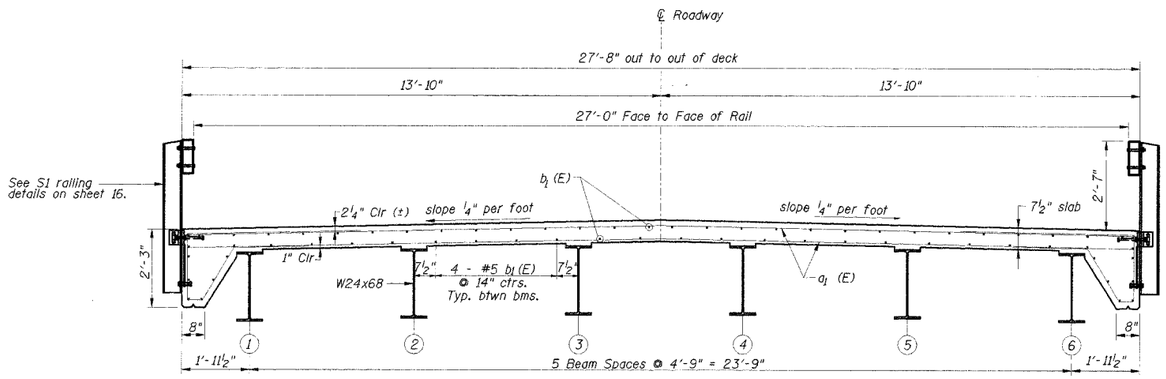



BAR $s_{12}$ (E)

Place $s_{12}$ (E) bars parallel to beams




DECK OVERHANG




CROSS SECTION
Looking West
Symmetrical about ℄

Work sheets 8 & 14 together.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DSGN K.J. Hoffmann | | | | | | | |
| DR K.J. Hoffmann | | | | | | | |
| CHK K.E. Brandau | | | | | | | |
| APVD K.E. Brandau | NO. | DATE | | REVISION | BY | APVD | |

FRAUENHOFFER
Frauenhoffer and Associates, P.C. Consulting Engineers
3002 Crossing Court Champaign, Il. 61822 217-351-6268

DECK REINFORCING
CATLIN ROAD DISTRICT
SECTION 02-04130-00-BR
VERMILION COUNTY

SHEET 8
DWG NO. 5068-SUP1.dgn
DATE FEB 2006
PROJ NO. 5068