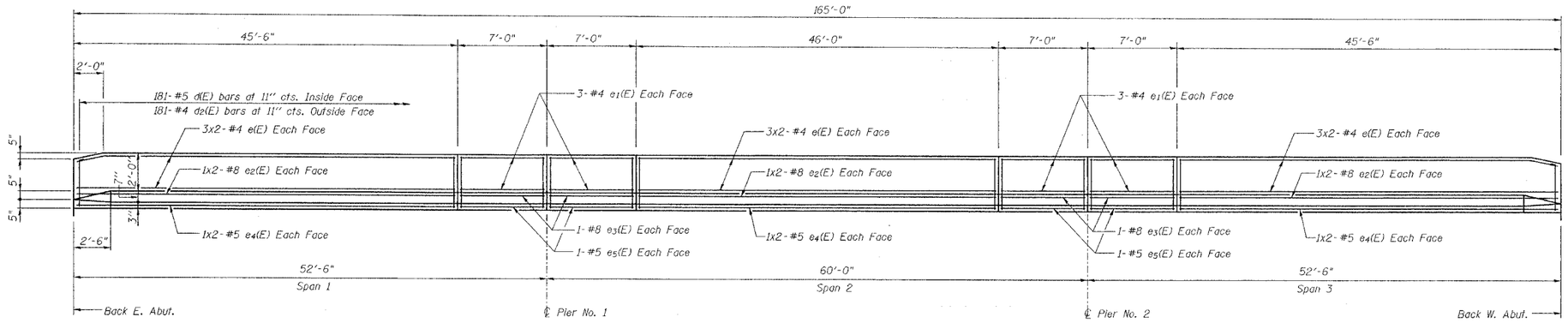
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Sheet No. 6 of 16 Sheets

| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| SBI 88 | 103C-BR | BUREAU | 51 | 17 |
| FEDERAL DIST.NO. | | ILLINOIS | PROJECT | |

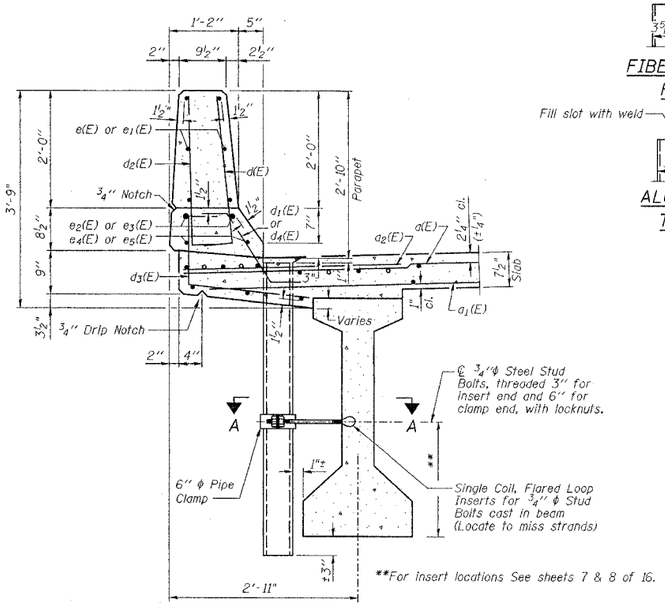
CONTRACT #64423



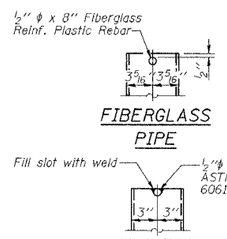

INSIDE ELEVATION OF PARAPET

## MIN BAR LAP

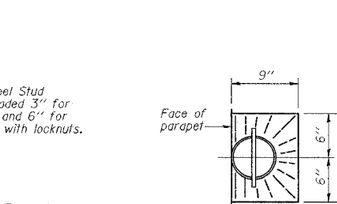
#4 bar = 1'-4"
#5 bar = 1'-8"
#8 bar = 3'-5"



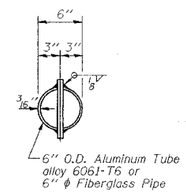

SECTION THRU PARAPET



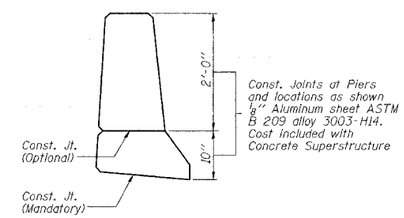

FIBERGLASS PIPE




ALUMINUM TUBE




TOP PLAN
(Showing Aluminum Tube)

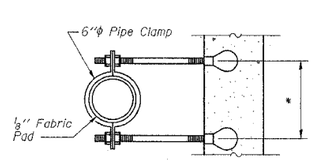



PARAPET JOINT DETAILS

Notes:
Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
The exterior surfaces of the floor drains shall be coated or pigmented by the manufacturer with a color that matches the concrete.
The clamping device and inserts shall be galvanized according to AASHTO M 232.

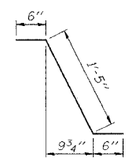



TOP PLAN

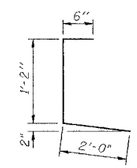



*Dimension as required by Pipe Clamp

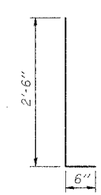
SECTION A-A



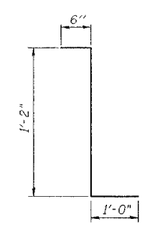

BAR d1(E)



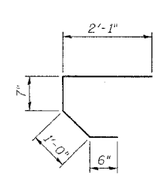

BAR d3(E)



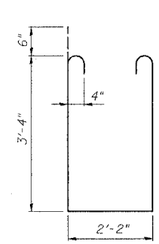

BARS d(E) & d2(E)



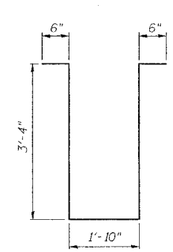

BAR d4(E)



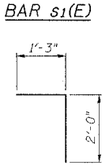

BAR s1(E)




BAR s2(E)




BAR s3(E)




BAR v5(E)

## SUPERSTRUCTURE BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|---|---|---|---|---|
| a(E) | 265 | #5 | 30'-7" | |
| a1(E) | 199 | #5 | 29'-11" | |
| a2(E) | 266 | #6 | 4'-6" | |
| | | | | |
| b(E) | 204 | #5 | 29'-4" | |
| b1(E) | 62 | #6 | 22'-3" | |
| b2(E) | 210 | #5 | 25'-5" | |
| | | | | |
| d(E) | 362 | #5 | 3'-0" | |
| d1(E) | 350 | #5 | 2'-5" | |
| d2(E) | 362 | #4 | 3'-0" | |
| d3(E) | 362 | #4 | 3'-8" | |
| d4(E) | 12 | #5 | 2'-8" | |
| | | | | |
| e(E) | 72 | #4 | 23'-6" | |
| e1(E) | 48 | #4 | 6'-9" | |
| e2(E) | 24 | #8 | 24'-7" | |
| e3(E) | 16 | #8 | 6'-9" | |
| e4(E) | 24 | #5 | 23'-8" | |
| e5(E) | 16 | #5 | 6'-9" | |
| | | | | |
| m(E) | 4 | #6 | 29'-6" | |
| m1(E) | 6 | #6 | 30'-10" | |
| m2(E) | 20 | #6 | 8'-5" | |
| m3(E) | 24 | #6 | 4'-7" | |
| m4(E) | 4 | #6 | 1'-11" | |
| m5(E) | 32 | #4 | 5'-6" | |
| m6(E) | 10 | #8 | 5'-6" | |
| | | | | |
| s1(E) | 60 | #5 | 4'-2" | |
| s2(E) | 52 | #4 | 9'-10" | |
| s3(E) | 48 | #4 | 9'-6" | |
| | | | | |
| v5(E) | 62 | #5 | 3'-3" | |
| Reinforcement Bars, Epoxy Coated | | | Lbs. | 40,180 |
| Concrete Superstructure | | | Cu. Yds. | 196.2 |
| Bar Splicers | | | Each | 56 |

Reinforcement bars designated (E) shall be epoxy coated.

Bars indicated thus 1x2-#5 etc. indicates 1 line of bars with 2 lengths per line.

NEW BEDFORD ROAD OVER GREEN RIVER

SUPERSTRUCTURE DETAILS

REVISIONS

| No. | DATE | INITIALS |
|---|---|---|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| 11 | | |
| 12 | | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SBI 88 SPUR — SECTION 103C-BR
SN 006-0163
STA 29+25.34 — BUREAU COUNTY

HOMER L. CHASTAIN & ASSOCIATES, LLP
CONSULTING ENGINEERS
184-001397

| | BY | DATE |
|---|---|---|
| DRAWN BY | R King | 4/04 |
| CHECKED BY | CMV | 4/04 |
| QA/QC | CWC | 4/04 |

BOOK NUMBER

PROJECT No. 4858-1

SHEET No.

PI-1-D 9-1-03