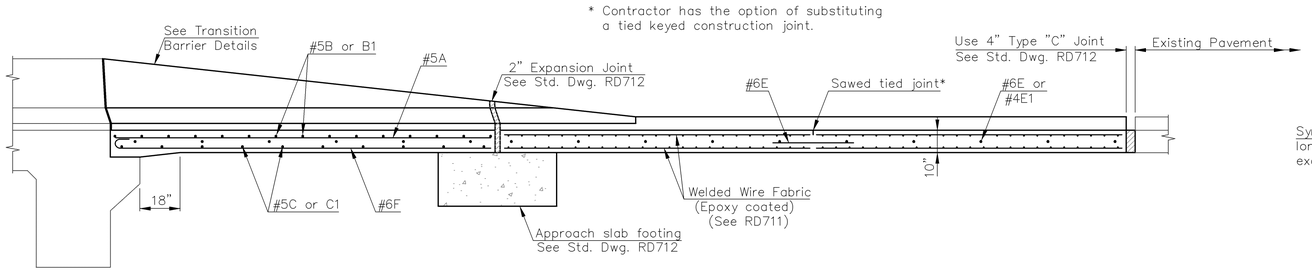
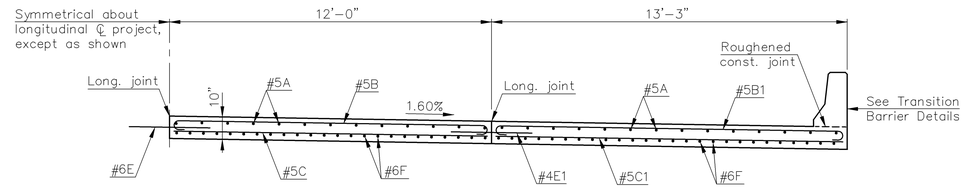
| STATE | PROJECT NO. | YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| KANSAS | 87 N–0359–01 | 2006 | 5 | 61 |

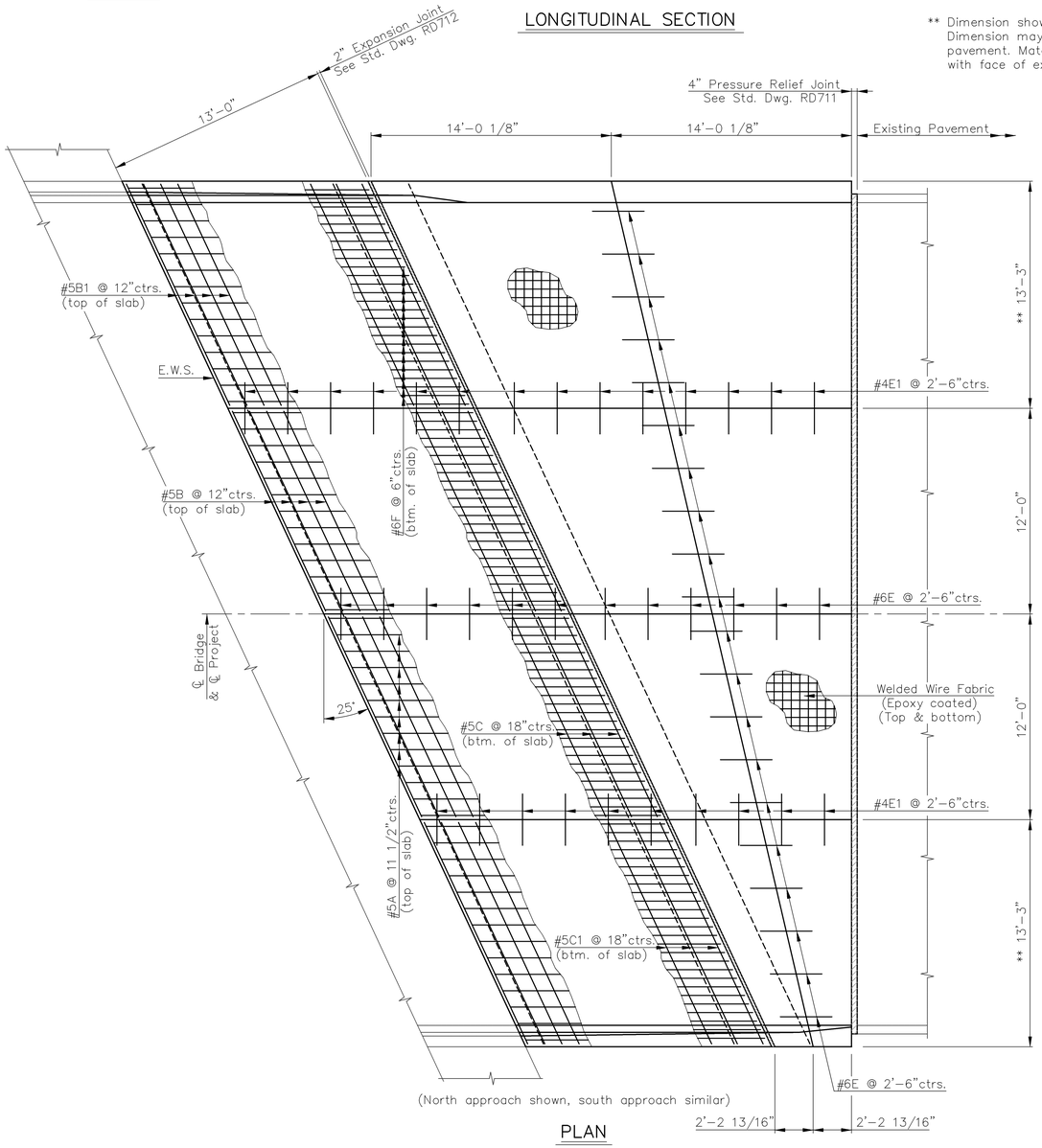



LONGITUDINAL SECTION




HALF TRANSVERSE SECTION

** Dimension shown is at EWS of bridge. Dimension may vary at existing pavement. Match face of barrier with face of existing curb as shown.




PLAN

## GENERAL NOTES

Special Concrete Bridge Approach shall be paid for as square yards of Concrete Pavement (10" Unif.)(AE) and includes all work and materials required to construct the approach slab and bridge approach slab footings as shown on this sheet.

All work and materials required for installation of expansion joints and pressure relief joints shall be subsidiary to this bid item.

All preformed joint material shall be installed perpendicular to pavement surface. Formed joints shall be edged with a 1/4" radius tool for length of joint.

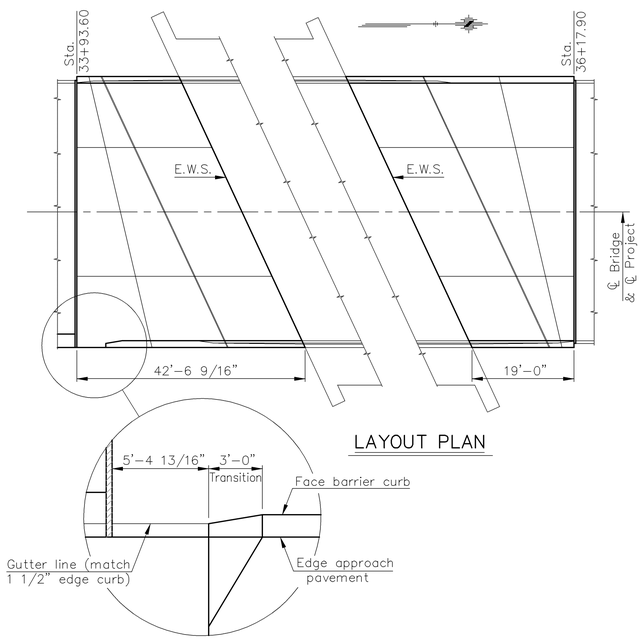
At the Contractors option, #4 X 3'–0" tie bars at 15" centers may be substituted for the #6E bars at 2'–6" centers.

All reinforcing shall be epoxy coated.

See Std. Dwgs. RD711 and RD712 for details of joints and reinforcing mesh.

Clearance from the face of concrete for all reinforcing steel shall be 2", unless otherwise shown.

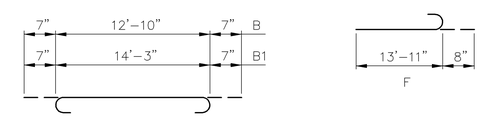
Standard reinforcing bar hooks in accordance with the latest ACI specifications shall be used throughout.




LAYOUT PLAN

| BILL OF REINFORCING STEEL | | | | | | | |
|---|---|---|---|---|---|---|---|
| STRAIGHT BARS | | | | BENT BARS | | | |
| Mark | Size | No. | Length | Mark | Size | No. | Length |
| E | #6 | 64 | 3'–0" | F | #6 | 200 | 14'–7" |
| A | #5 | 108 | 13'–11" | B | #5 | 60 | 14'–0" |
| C | #5 | 40 | 12'–10" | B1 | #5 | 60 | 15'–5" |
| C1 | #5 | 40 | 14'–3" | | | | |
| E1 | #4 | 48 | 3'–0" | | | | |

BENDING DIAGRAMS




(Both approaches)

| BILL OF MATERIALS | | |
|---|---|---|
| Concrete Pavement (10" Unif.)(AE) | 343.3 | Sq. Yds. |
| Bridge Approach Slab Footing | 33.0 | Cu. Yds. |
| Concrete | 95.9 | Cu. Yds. |
| Reinforcing Steel (Gr. 60) (Epoxy Coated) | 11,550 | Lbs. |
| Expansion Joint | 111.4 | Lin. Ft. |
| 4" Pressure Relief Joint | 98.8 | Lin. Ft. |

Note: Concrete, reinforcing steel and joint lengths are shown for information only. Includes reinforcing in approach slab footings.

PROJECT NO. 87 N–0359–01

CONCRETE APPROACH PAVEMENT

HILLSIDE ST. BRIDGE OVER GYPSUM CREEK

STA. 35+05.75 CITY OF WICHITA

CFS
Cook, Flatt & Strobel
ENGINEERS, P.A.

| | | | |
|---|---|---|---|
| DESIGNED | RSC | SCALE | |
| DETAILED | DEG | DATE | |
| QUANTITIES | | SHEET | OF |

J:\2004PROJ\04559\DWGS\APPR 1"=4'