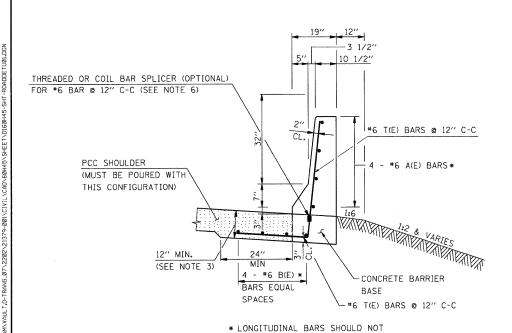


* LONGITUDINAL BARS SHOULD NOT EXTEND THROUGH EXPANSION JOINTS. CUT A(E) AND B(E) BARS IN FIELD TO FIT.

CONCRETE BARRIER, SINGLE FACE, 42" HEIGHT (SPECIAL)

ALONG US 20 WB (SEE SHEETS 65-66)



PLOT SCALE = \$SCALE\$

PLOT DATE = \$DATE\$

FILE NAME

TEND TEND A ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS

\$FILEL\$

ALONG RAMP C N.T.S. USER NAME = \$USER\$ DESIGNED - MDB REVISED DRAWN - JFS REVISED -

DATE

CHECKED - VCP

REVISED

- 12/16/11 REVISED

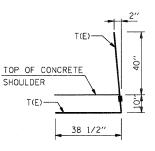
EXTEND THROUGH EXPANSION JOINTS.

CONCRETE BARRIER, SINGLE FACE, 42" HEIGHT (SPECIAL)

CUT A(E) AND B(E) BARS IN FIELD TO

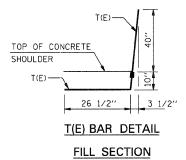
CUT SECTION

| REINFORCING BARS 20' SECTION | | | | | | |
|---|-----|------|-----------|--------|--|--|
| BAR | NO. | SIZE | LENGTH | SHAPE | | |
| A(E) | 4 . | #6 | 23′-6′′ | | | |
| B(E) | 5 | #6 | 23'-6'' | | | |
| T(E) | 20 | #6 | 7'-4 1/2" | | | |
| REBAR REQUIRED FOR 20' SECTION | | | POUND | 540 | | |
| REINFORCEMENT BARS, EPOXY COATED (TOTAL FOR 650' BARRIER) | | | POUND | 17,550 | | |



T(E) BAR DETAIL

CUT SECTION N.T.S.



FILL SECTION

| REINFORCING BARS 20' SECTION | | | | | | | |
|---------------------------------|--------------------------------|-------|-----------|--|--|--|--|
| BAR | NO. | SIZE | LENGTH | SHAPE | | | |
| A(E) | 4 | #6 | 23′-6″ | Address of the same of the sam | | | |
| B(E) | 4 | #6 | 23′-6′′ | | | | |
| T(E) | 20 | #6 | 6'-4 1/2" | | | | |
| | REBAR REQUIRED FOR 20' SECTION | | | 480 | | | |
| EF | POXY COATOR 940' | POUND | 22,560 | | | | |

LEGEND:

PAY LIMITS OF PCC SHOULDERS.

NOTES:

- FOR ADDITIONAL SHOULDER DETAILS, SEE TYPICAL SECTIONS AND STANDARDS 482006, 483001 & 601001 AS APPLICABLE.
- 2) A 1" RADIUS CAN BE SUBSTITUTED FOR THE 1/2" CHAMFER AT THE TOP OF THE BARRIER WALL.
- 3) THE THICKENED PCC SHOULDER FOR THE REINFORCED CONCRETE BARRIER SECTION SHALL BE INCLUDED IN THE COST OF THE CONCRETE BARRIER OF THE TYPE AND HEIGHT SPECIFIED.
- 4) ALL REINFORCING BARS, BAR SPLICERS, TIE BARS AND DOWEL BARS SHALL BE EPOXY COATED AND SHALL BE SEATED IN THE FINAL POSITION PRIOR TO THE CONCRETE OPERATIONS. BARS SHALL NOT BE MUCKED INTO PLACE.
- 5) THE BAR SPLICER SHALL BE CAPABLE OF DEVELOPING A MINIMUM OF 125% OF THE YIELD STRENGTH OF A *6 BAR.
- 6) THE FURNISHING AND PLACING OF OPTIONAL BAR SPLICERS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CONCRETE BARRIER OF THE TYPE AND HEIGHT SPECIFIED.
- 7) TRANSVERSE CONTRACTION AND EXPANSION JOINTS SHALL BE CONSTRUCTED IN LINE WITH THE CONTRACTION AND EXPANSION JOINTS IN THE ADJACENT SHOULDER.
- 8) THE MINIMUM LAP FOR A(E) AND B(E) BARS SHALL BE 3'-6".

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

FAP ROUTE 345 / US ROUTE 20

SCALE: N.T.S.

| ROADWAY DETAILS | | F.A.P RTE. | SECTION 8R-R | | COUNTY | TOTAL SHEETS | SHEE NO. | | | |
|-------------------------------|-----|---------------|-----------------|---------|---------|-----------------|-----------------|------------|-------|------|
| CONCRETE BARRIER, SINGLE FACE | | | | | 345 | KANE | 794 | 99 | | |
| | | | | | | | | CONTRACT | NO. 6 | OH45 |
| SHEET | NO. | OF | STA. | TO STA. | FED. RO | DAD DIST. NO. | ILLINOIS FED. A | ID PROJECT | | |