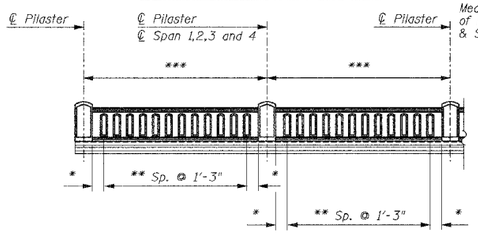
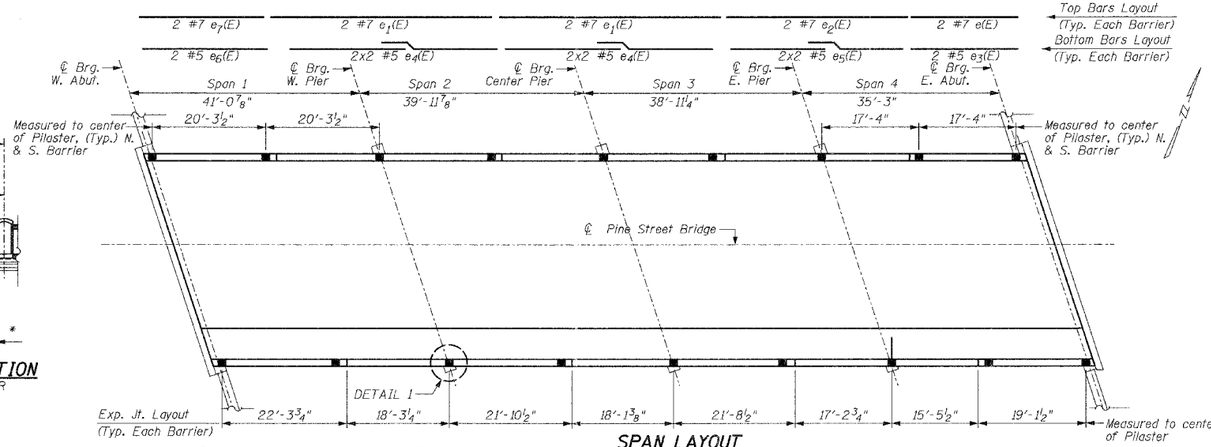
| | * | ** | *** |
|---|---|---|---|
| Span 1 | 1'-3¼" | 13 | 20'-3½" |
| Span 2 | 1'-1½" | 13 | 19'-11⁵⁄₁₆" |
| Span 3 | 1'-5¾" | 12 | 19'-5⅝" |
| Span 4 | 1'-0½" | 11 | 17'-4" |

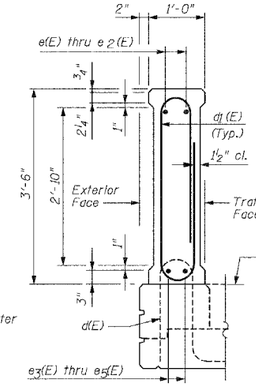



## EXTERIOR FACE OF BRIDGE RAIL ELEVATION

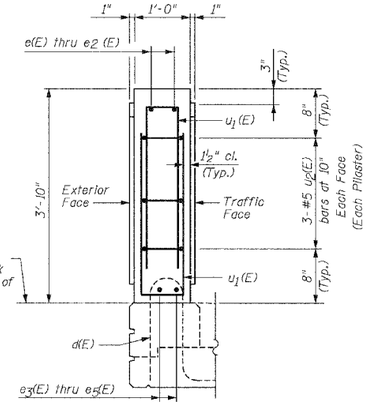
NORTH BRIDGE RAIL SHOWN SOUTH BRIDGE RAIL SIMILAR



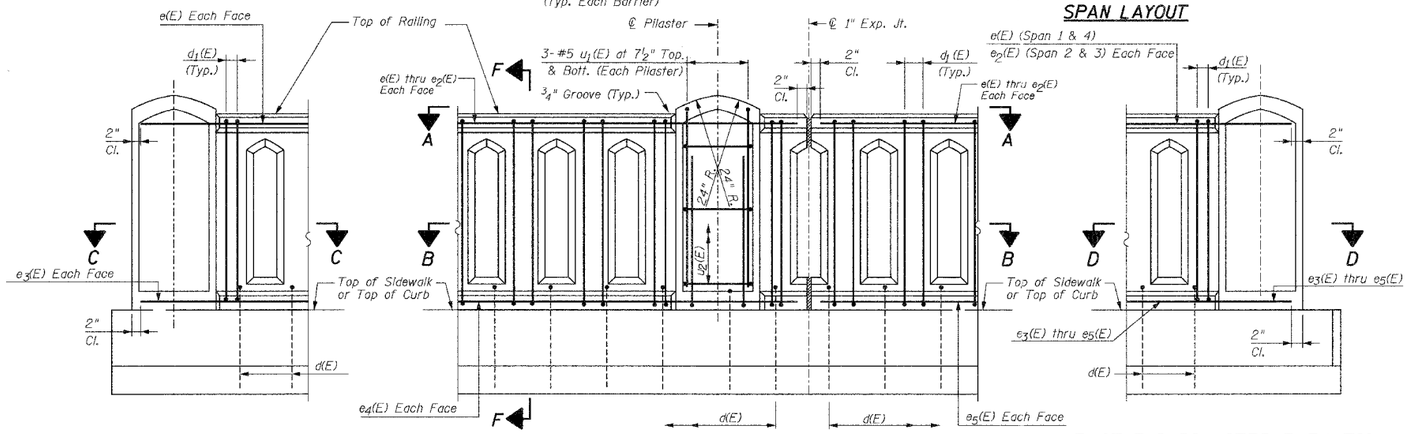

## SPAN LAYOUT




## SECTION F-F (TYP @ POSTS)




## SECTION E-E (TYP @ PILASTER)




## WEST END PILASTER ELEVATION

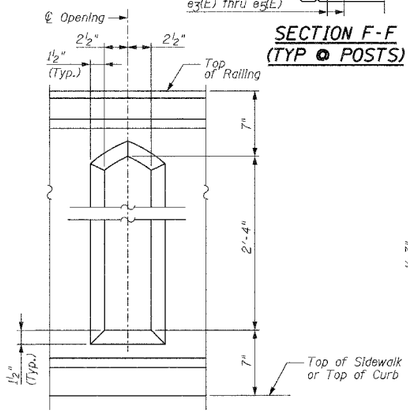
(Typ. of Span 1)

## PARTIAL ELEVATION AT CENTER PILASTER

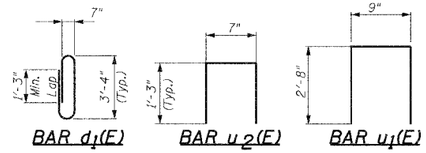
For Expansion Joint Location see span layout
Extend sidewalk and curb to edge of deck

## EAST END PILASTER ELEVATION

(Typ. of Span 4)
Note: Traffic Face Elevations

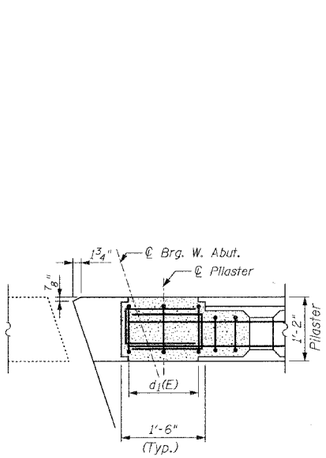



## OPENING DETAIL

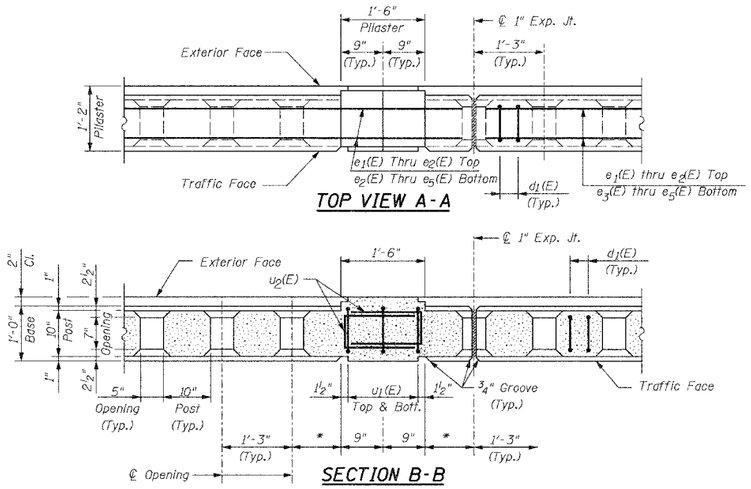



| Bar | No. | Size | Length | Shape |
|---|---|---|---|---|
| | | | | |
| d1(E) | 424 | #5 | 9'-1" | |
| | | | | |
| e(E) | 4 | #7 | 19'-2" | |
| e1(E) | 8 | #7 | 39'-6" | |
| e2(E) | 4 | #7 | 32'-5" | |
| e3(E) | 4 | #5 | 19'-2" | |
| e4(E) | 16 | #5 | 20'-6" | |
| e5(E) | 8 | #5 | 16'-11" | |
| e6(E) | 4 | #5 | 22'-8" | |
| e7(E) | 4 | #7 | 22'-8" | |
| | | | | |
| u1(E) | 216 | #5 | 6'-1" | |
| u2(E) | 216 | #5 | 3'-1" | |
| Reinforcement Bars, Epoxy Coated | | | Pound | 8,012 |
| Concrete Barrier (Special) | | | Cu. Yd. | 29.7 |

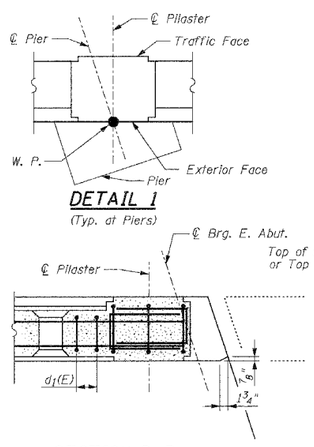
Reinforcement bars designated (E) shall be epoxy coated.
Bars indicated thus 1x2-#5 etc. indicates 1 line of bars with 2 lengths per line.
Reinforcement bars shall not pass thru the expansion joints.
Concrete Texture and Finishes to Match Existing Pilasters
See Concrete Barrier (Special) Special Provisions.




## SECTION C-C




## SECTION B-B

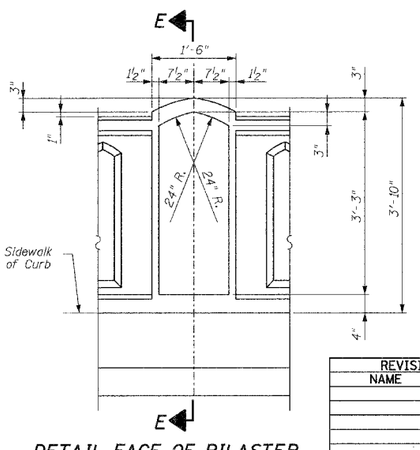



## DETAIL 1

(Typ. at Piers)




## SECTION D-D




## DETAIL FACE OF PILASTER

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

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 NORTH CUMBERLAND AVENUE :: CHICAGO, ILLINOIS 60656 :: (773) 775-4009

VILLAGE OF WINNETKA, ILLINOIS
CONCRETE BARRIER DETAILS
PINE STREET OVER THE UNION PACIFIC R.R.
R.R. MILE POST 16.89 KENOSHA SUBDIVISION
COOK COUNTY STA. 101+09.96
STRUCTURE NO. 016-8259

SCALE: NONE
DATE: MARCH 2006
FILE: 3278
DRAWN BY: RCD
DESIGN BY: BWS
CHECKED BY: SCD

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 00-00094-03-BR | COOK | 69 | 28 |
| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |
| Sheet SA-9 of SA-23 | | CONTRACT 83850 | | |

DATE: 3102006
FILENAME: N:\PROJ\3278\Pine\Design\Structural_Pine_3278\CAD\Final_plan\3278-Pine-char01.dgn