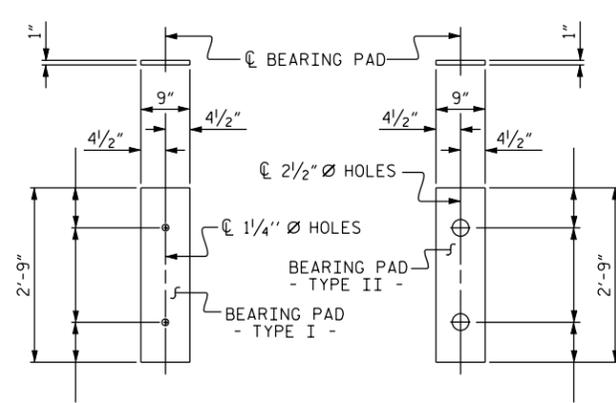


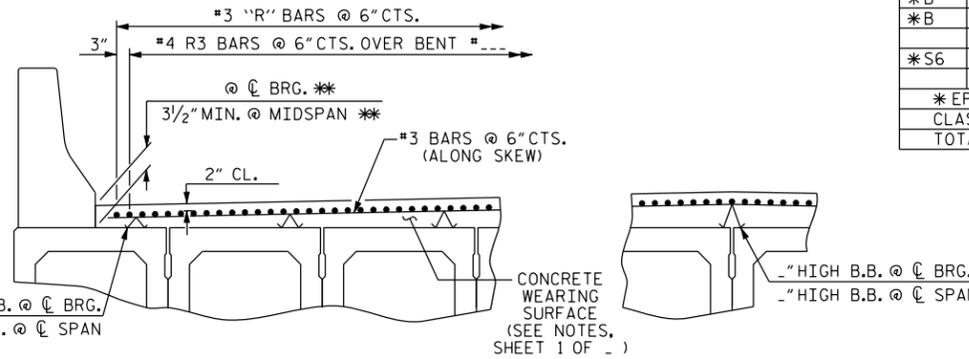
SECTION A-A



FIXED END (TYPE I - REQ'D) EXPANSION END (TYPE II - REQ'D)

ELASTOMERIC BEARING DETAILS

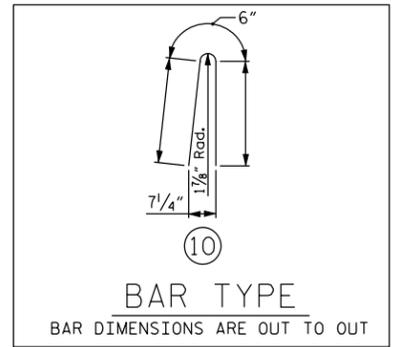
ELASTOMER IN ALL BEARINGS SHALL BE 60 DUROMETER HARDNESS.



REINFORCING FOR CONCRETE WEARING SURFACE

* BASED ON PREDICTED FINAL CAMBER AND THEORETICAL GRADE LINE ELEVATIONS

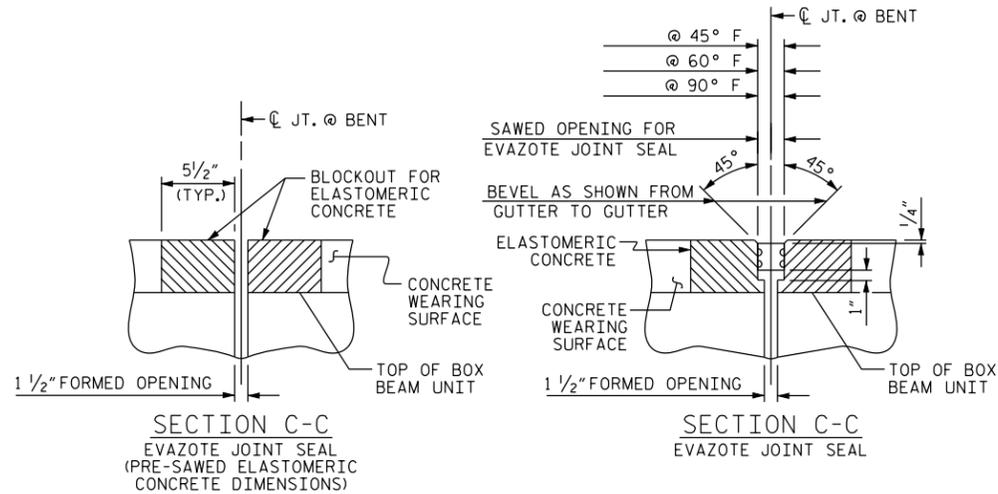
| BOX BEAM UNITS REQUIRED | | | |
|-------------------------|--------|--------|--------------|
| | NUMBER | LENGTH | TOTAL LENGTH |
| SPAN A | | | |
| SPAN B | | | |
| SPAN C | | | |
| TOTAL | | | |



| BILL OF MATERIAL FOR CONCRETE BARRIER RAIL | | | | | | |
|--|---------------|--------|--------|---|---------|------|
| BAR | BARS PER SPAN | | | TOTAL NO. | SIZE | TYPE |
| | SPAN A | SPAN B | SPAN C | | | |
| *B | | | | | #5 | STR |
| *B | | | | | #5 | STR |
| *B | | | | | #5 | STR |
| *S6 | | | | | #5 | 10 |
| | | | | * EPOXY COATED REINFORCING STEEL | LBS. | |
| | | | | CLASS AA CONCRETE | CU.YDS. | |
| | | | | TOTAL LIN. FT. OF CONCRETE BARRIER RAIL | | |

| GROOVING BRIDGE FLOORS | |
|------------------------|--------|
| APPROACH SLABS | SO.FT. |
| BRIDGE DECK | SO.FT. |
| TOTAL | SO.FT. |

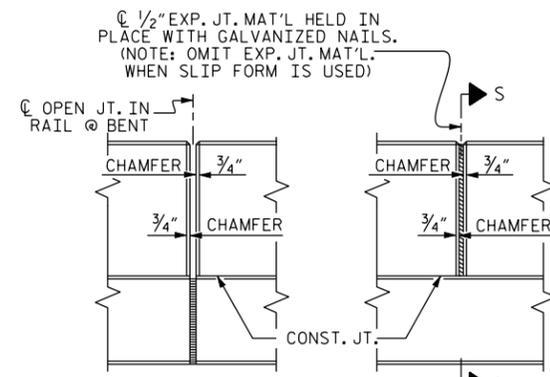
| SPLICE LENGTH CHART | |
|---------------------|--------------|
| BAR SIZE | EPOXY COATED |
| #3 | 1'-3" |
| #4 | 1'-8" |



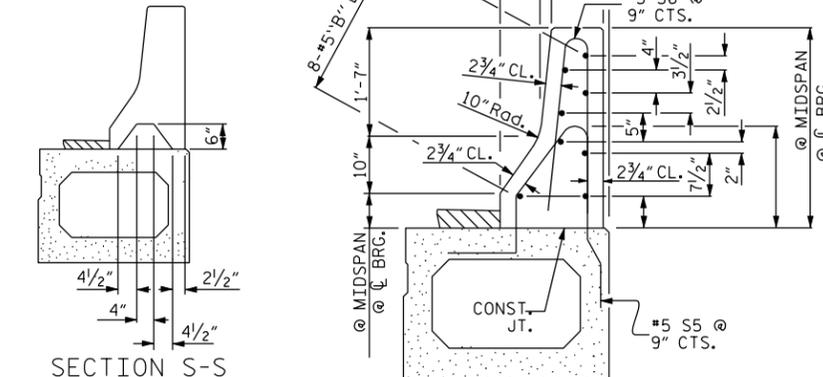
JOINT SEAL DETAILS AT BENT (SHOWING FULL DEPTH BLOCKOUT)

| ELASTOMERIC CONCRETE | |
|----------------------|----------------------------------|
| BENT NO. | ELASTOMERIC CONCRETE * (CU. FT.) |
| 1 | |
| 2 | |
| TOTAL | |

* BASED ON THE MINIMUM BLOCKOUT SHOWN.



ELEVATION AT EXPANSION JOINTS



SECTION S-S AT DAM IN OPEN JOINT (THIS IS TO BE USED ONLY WHEN SLIP FORM IS USED)

SECTION THRU RAIL

PLAN SHOWING CONCRETE WEARING SURFACE REINFORCING STEEL

| BILL OF MATERIAL FOR CONCRETE WEARING SURFACE | | | | | |
|---|-----|------|------|----------------------------------|---------|
| BAR | NO. | SIZE | TYPE | LENGTH | WEIGHT |
| *R1 | | #3 | STR | | |
| *R2 | | #3 | STR | | |
| *R3 | | #4 | STR | 20'-0" | |
| | | | | * EPOXY COATED REINFORCING STEEL | LBS. |
| | | | | CONCRETE WEARING SURFACE | SO. FT. |

PROJECT NO. _____ COUNTY _____ STATION: _____ SHEET _ OF _

| STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH | | | | | |
|---|-----|-------|-----|-----|--------------|
| STANDARD 3'-0" X -'- PRESTRESSED CONCRETE BOX BEAM UNIT DETAILS | | | | | |
| REVISIONS | | | | | SHEET NO. |
| NO. | BY: | DATE: | NO. | BY: | DATE: |
| 1 | | | 3 | | |
| 2 | | | 4 | | |
| | | | | | TOTAL SHEETS |

| | |
|----------------------|-----------------------|
| ASSEMBLED BY : | DATE : |
| CHECKED BY : | DATE : |
| DRAWN BY : TLA 5/05 | ADDED 7/11/05R |
| CHECKED BY : GM 6/05 | REV. 5/11/06RR TLA/GM |

BARRIER RAIL DETAILS