

LEGEND: N.S. - NEAR SIDE  
F.S. - FAR SIDE

DESIGN SPECIFICATIONS: "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" ADOPTED BY AASHTO, 1992, INCLUDING THE 1993 INTERIM SPECIFICATION.  
DESIGN DATA: CONCRETE CLASS S f'c = 4500 P.S.I., REINFORCING STEEL ASTM A615, A617 GRADE 60 fy = 60000 P.S.I.

CONTROL JOINTS FOR CONCRETE PARAPETS: THE JOINTS SHALL BE CONSTRUCTED BY SAWING 1 INCH DEEP ALONG PERIMETER OF THE PARAPET AS SOON AS THE SAW CAN BE OPERATED WITHOUT DAMAGING THE CONCRETE.

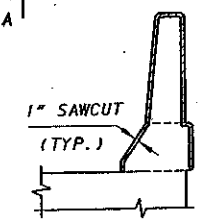
THE USE OF AN EDGE GUIDE, FENCE, OR JIG IS REQUIRED TO INSURE THAT THE CUT JOINT IS STRAIGHT, TRUE, AND ALIGNED ON ALL FACES OF THE PARAPET. THE JOINT WIDTH SHALL BE THE WIDTH OF THE SAW BLADE, A NOMINAL WIDTH OF 1/4 INCH.

THE PERIMETER OF THE DEFLECTION CONTROL JOINT SHALL BE SEALED WITH A CAULKING MATERIAL TO A MINIMUM DEPTH OF 1 INCH CONFIRMING TO FEDERAL SPECIFICATION TT-5-00227E. THE BOTTOM ONE HALF INCH OF BOTH THE INSIDE AND OUTSIDE FACES OF THE PARAPET SHOULD BE LEFT UNSEALED TO ALLOW ANY WATER WHICH MAY ENTER THE JOINT TO ESCAPE.

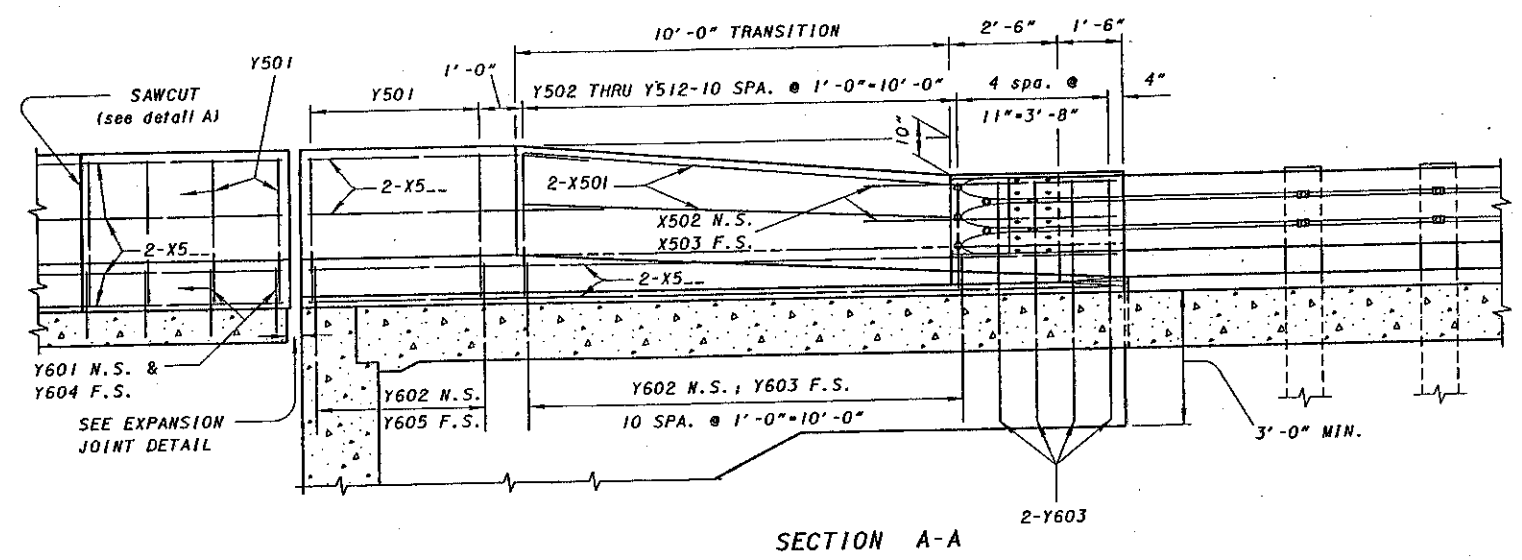
SAWCUT SHALL BE PLACED AT A MINIMUM OF 6'-0" AND MAXIMUM OF 10'-0" CENTERS.

QUANTITIES OF CONCRETE, REINFORCING STEEL, DEFLECTION JOINT SAWCUT AND CAULKING MATERIAL FOR PARAPET ARE INCLUDED WITH APPROPRIATE ITEM UNDER EITHER ABUTMENTS OR SUPERSTRUCTURE FOR PAYMENTS.

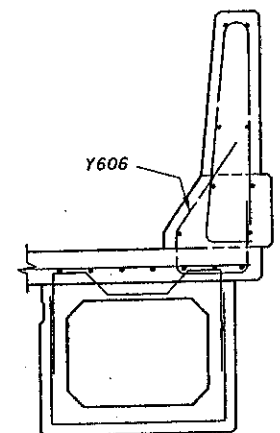
FOR BRIDGE TERMINAL ASSEMBLY SEE STANDARD CONSTRUCTION DRAWING GR-3.1 AND GR-3.2.



DETAIL A  
(section through sawcut)  
Sawcut Perimeter = 8'-1"

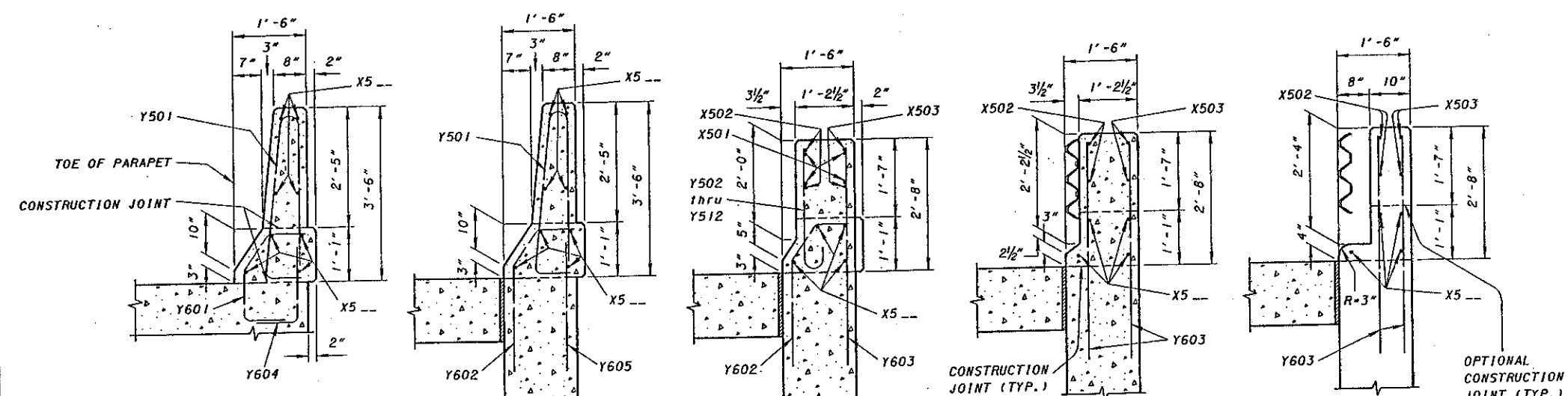


SECTION A-A



BOX BEAM REINFORCING DETAIL  
(composite deck)

VERTICAL BARS SHALL BE SPACED AT 1'-0" MAXIMUM.  
(see project plans)

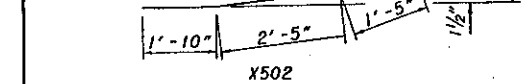
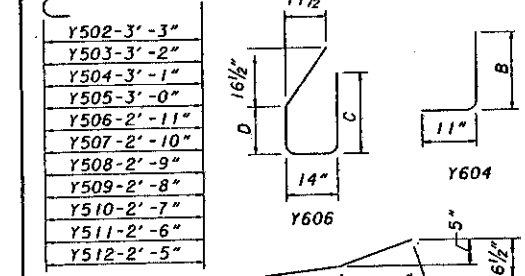
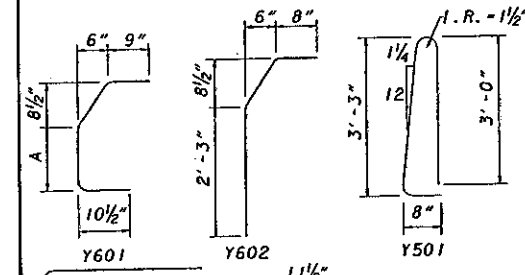


SECTION B-B  
(except box beam)  
Area = 500.5 Sq. In.

Volume of 14'-0" transition section is 1.78 Cu.Yd.

| REINFORCING BAR LIST |           |      |      |        |      |
|----------------------|-----------|------|------|--------|------|
| MARK                 | LENGTH    | SHP. | MARK | LENGTH | SHP. |
| X501                 | 10'-0"    | STR. | Y501 | 7'-1"  | BT.  |
| X502                 | 5'-8"     | BT.  | Y502 | 3'-10" | BT.  |
| X503                 | 5'-8"     | STR. | Y503 | 3'-9"  | BT.  |
|                      |           |      | Y504 | 3'-8"  | BT.  |
| X5                   |           | STR. | Y505 | 3'-7"  | BT.  |
|                      |           |      | Y506 | 3'-6"  | BT.  |
| Y601                 | A+2'-2"   | BT.  | Y507 | 3'-5"  | BT.  |
| Y602                 | 3'-8"     | BT.  | Y508 | 3'-4"  | BT.  |
| Y603                 | 4'-6"     | STR. | Y509 | 3'-3"  | BT.  |
| Y604                 | B+9"      | BT.  | Y510 | 3'-2"  | BT.  |
| Y605                 | 2'-10"    | STR. | Y511 | 3'-1"  | BT.  |
| Y606                 | C+D+2'-6" | BT.  | Y512 | 3'-0"  | BT.  |

SEE PROJECT PLANS



FIELD BEND BARS WHERE NECESSARY.  
INCLUDE BENDING DIAGRAMS ON PROJECT PLANS.

DESIGN AGENCY: BUREAU OF BRIDGES AND STRUCTURAL DESIGN  
STATE OF OHIO DEPARTMENT OF TRANSPORTATION  
DATE: 5-29-79  
ENGINEER OF BRIDGES: [Signature]  
BR-1  
REVIEWED: J.S. LHM  
DESIGNED: REZA  
DRAWN: REZA  
12-15-94  
STANDARD BRIDGE RAILING DEFLECTOR PARAPET TYPE 42"