

PART PLAN AT ABUTMENT

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

DESIGN SPECIFICATIONS: "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" ADOPTED BY AASHTO, 1996, AND THE ODOT BRIDGE DESIGN MANUAL.

DESIGN DATA: CONCRETE CLASS S f'c = 31 MPa, REINFORCING STEEL ASTM A615M, A616M OR A617M GRADE 420 fy = 420 MPa.

CONTROL JOINTS FOR CONCRETE PARAPETS: THE JOINTS SHALL BE CONSTRUCTED BY SAWING 32 mm DEEP ALONG THE PERIMETER OF THE PARAPET AS SOON AS THE SAW CAN BE OPERATED WITHOUT DAMAGING THE CONCRETE.

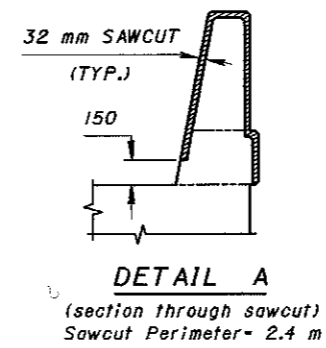
THE USE OF AN EDGE GUIDE, FENCE, OR JIG IS REQUIRED TO INSURE THAT THE CUT JOINT IS STRAIGHT, TRUE, AND ALIGNED ON ALL FACES OF THE PARAPET. THE JOINT WIDTH SHALL BE THE WIDTH OF THE SAW BLADE, A NOMINAL WIDTH OF 6 mm.

THE PERIMETER OF THE DEFLECTION CONTROL JOINT SHALL BE SEALED WITH A CAULKING MATERIAL TO A MINIMUM DEPTH OF 25 mm CONFORMING TO FEDERAL SPECIFICATION TT-S-00227E. THE BOTTOM 12 mm OF THE OUTSIDE FACE OF THE PARAPET SHOULD BE LEFT UNSEALED TO ALLOW ANY WATER WHICH MAY ENTER THE JOINT TO ESCAPE.

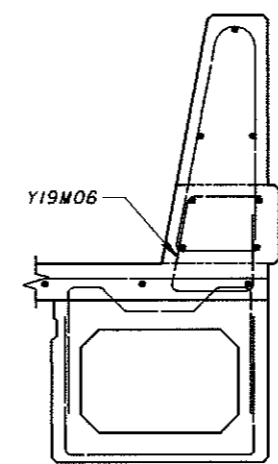
SAWCUTS SHALL BE PLACED AT A MINIMUM OF 1800 mm AND A MAXIMUM OF 3050 mm ON CENTER.

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.

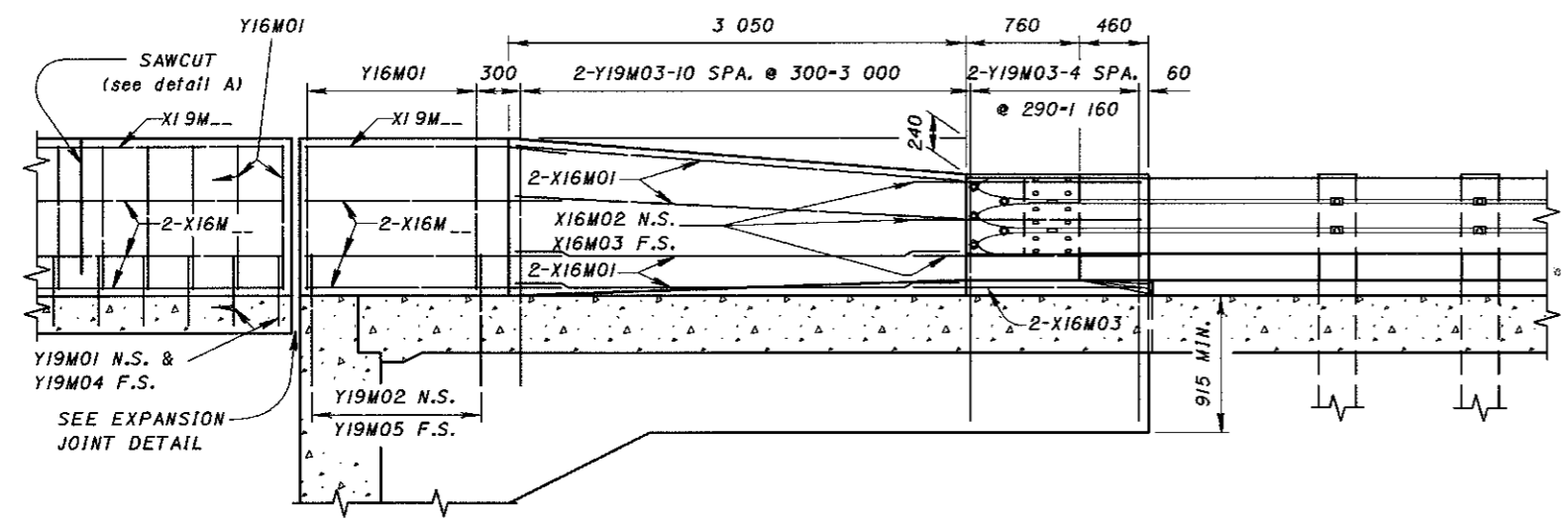
FOR BRIDGE TERMINAL ASSEMBLY SEE STANDARD CONSTRUCTION DRAWING GR-3.1M AND GR-3.2M



DETAIL A
(section through sawcut)
Sawcut Perimeter = 2.4 m



BOX BEAM REINFORCING DETAIL
(composite deck)



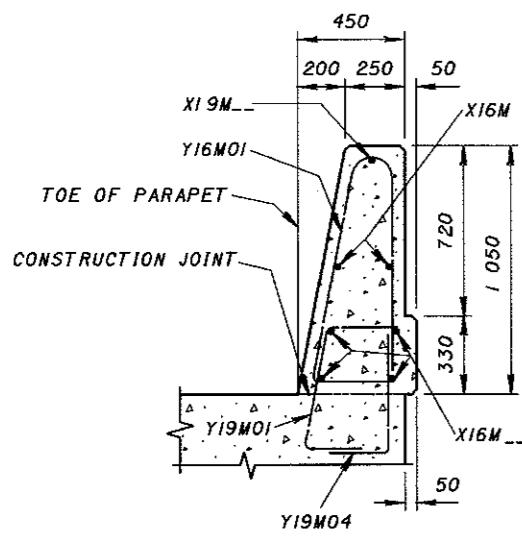
SECTION A-A

VERTICAL BARS SHALL BE SPACED AT 300 mm MAXIMUM.
(see project plans)

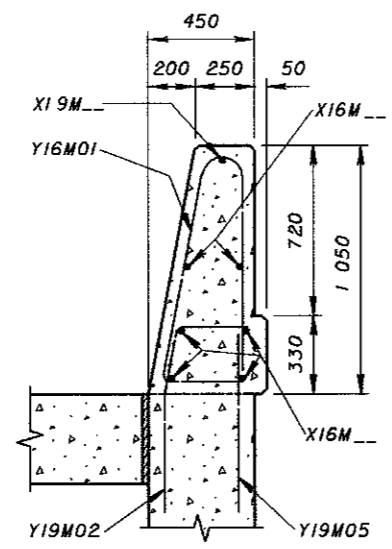
Volume of 4270 mm transition section is 1.35 m³

REINFORCING BAR LIST					
MARK	LENGTH	SHP.	MARK	LENGTH	SHP.
X16M01	3050	STR.	Y16M01	2205	BT.
X16M02	1680	BT.			
X16M03	1680	STR.	Y19M01	A+540	BT.
			Y19M02	1155	BT.
X16M	⊙	STR.	Y19M03	1600	STR.
			Y19M04	B+270	BT.
X19M	⊙	STR.	Y19M05	880	STR.
			Y19M06	C+D+520	BT.

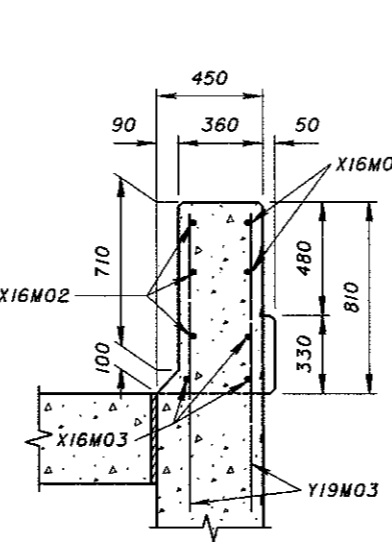
⊙ SEE PROJECT PLANS



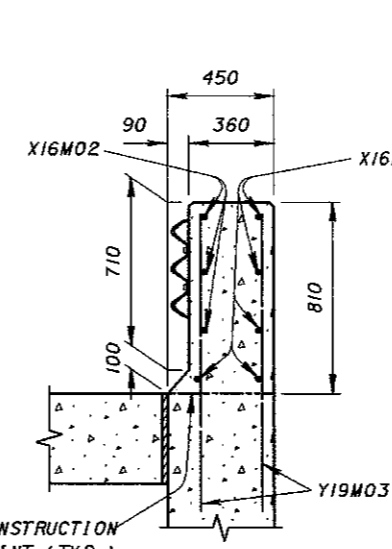
SECTION B-B
(except box beam)
Area = 0.384 m²



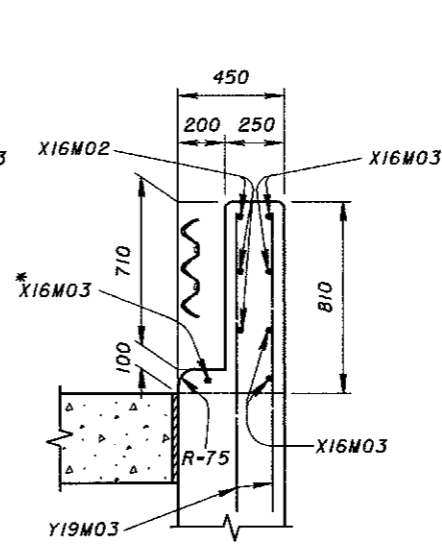
SECTION C-C



SECTION D-D



SECTION E-E



SECTION F-F

* FIELD BEND IF NECESSARY

