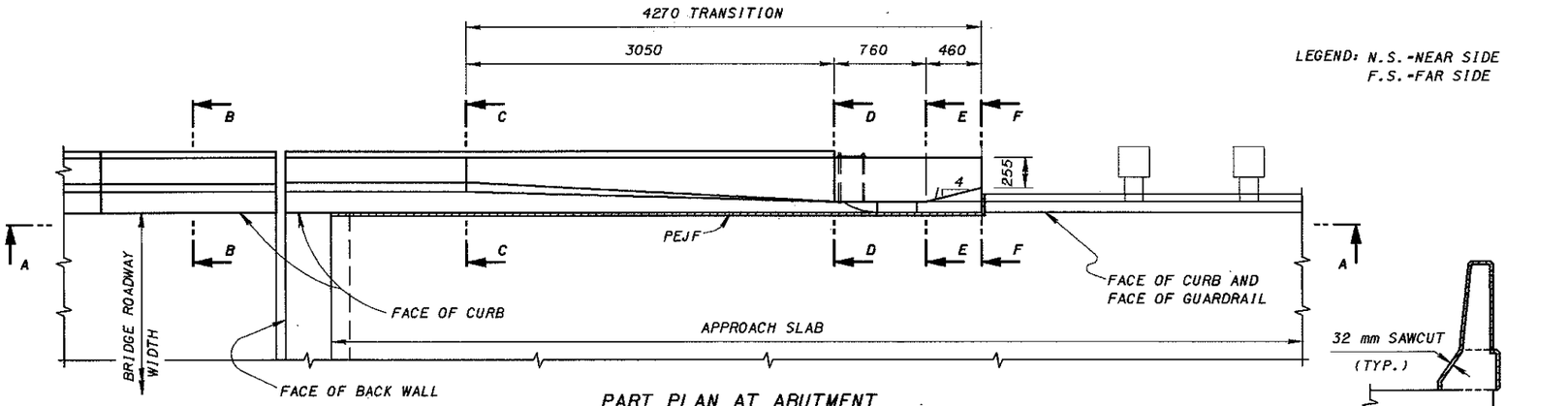
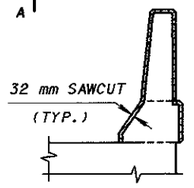
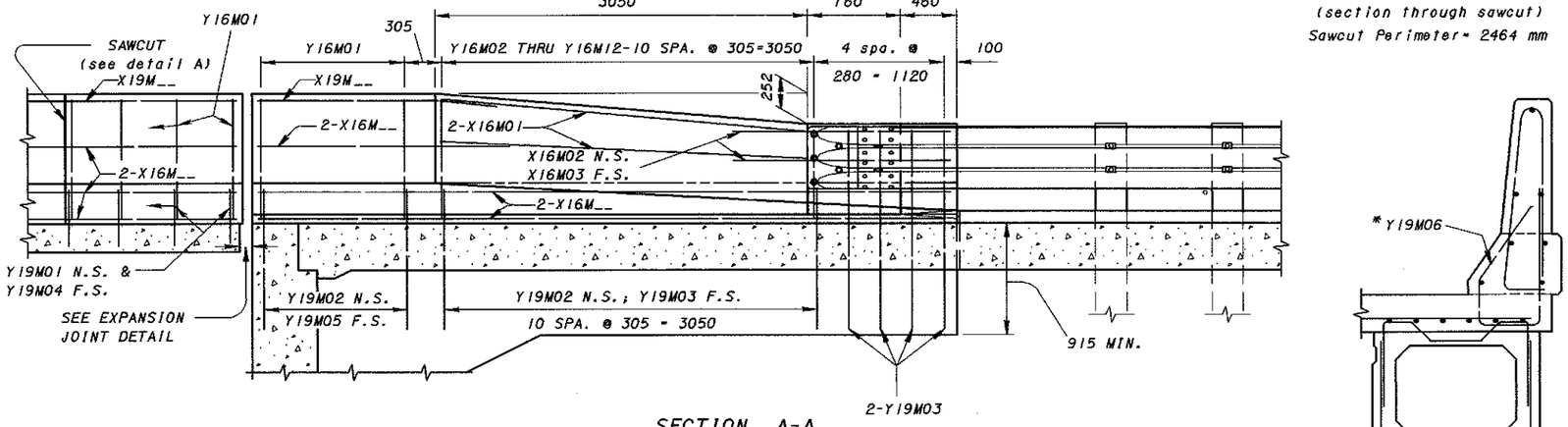


PART PLAN AT ABUTMENT

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

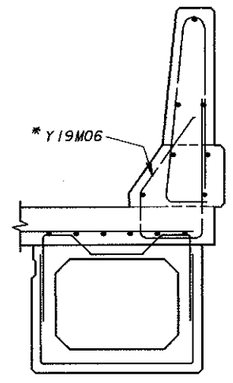


DETAIL A
(section through sawcut)
Sawcut Perimeter = 2464 mm



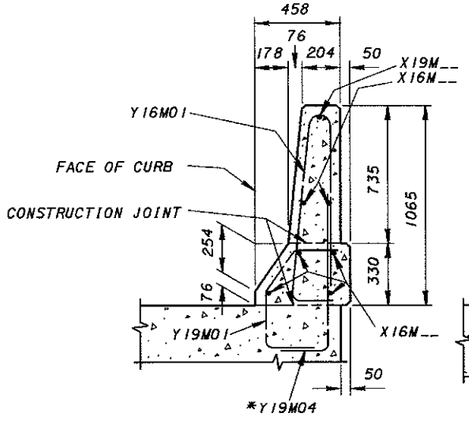
SECTION A-A

VERTICAL BARS SHALL BE SPACED AT 305 MAXIMUM.
(see project plans)

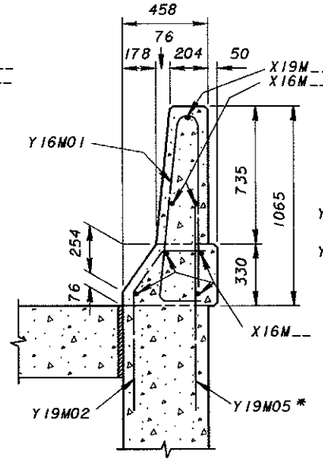


* BARS Y19M04 (dim. B), Y19M05, Y19M06 (dim. C) SHALL EXTEND 550 mm TO 600 mm ABOVE THE CONSTRUCTION JOINT BETWEEN DECK AND PARAPET.

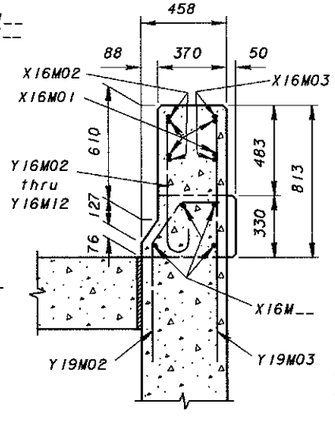
BOX BEAM REINFORCING DETAIL
(composite deck)



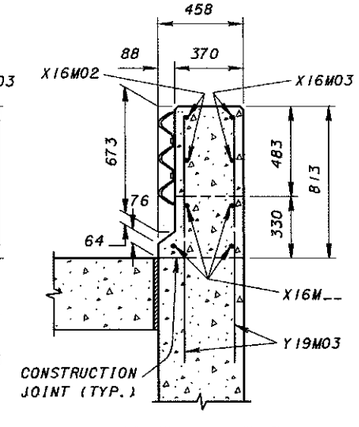
SECTION B-B
(except box beam)
Area = 0.323 m^2



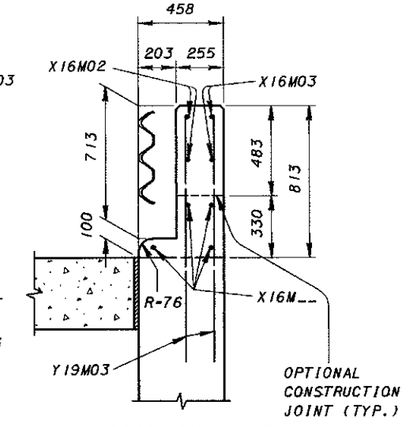
SECTION C-C



SECTION D-D



SECTION E-E



SECTION F-F

DESIGN SPECIFICATIONS: "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" ADOPTED BY AASHTO, 1996, INCLUDING THE 1997 INTERIM SPECIFICATION.

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 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 13 mm 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 1800 mm AND MAXIMUM OF 3050 mm 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.

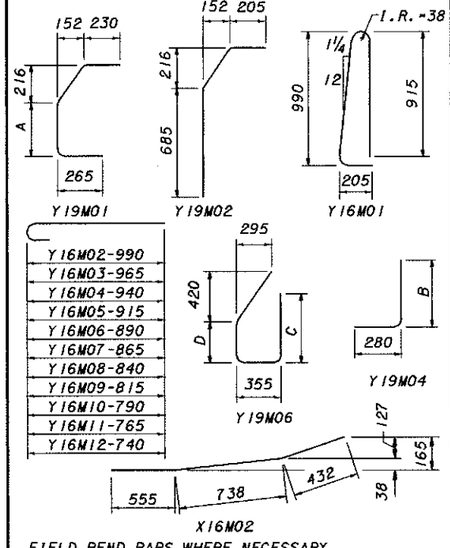
FOR BRIDGE TERMINAL ASSEMBLY SEE STANDARD CONSTRUCTION DRAWING GR-3.1M AND GR-3.2M.

Volume of 4270 mm transition section is 1.36 m^3

REINFORCING BAR LIST

MARK	LENGTH	SHP.	MARK	LENGTH	SHP.
X16M01	3050	STR.	Y16M01	2130	BT.
X16M02	1725	BT.	Y16M02	1170	BT.
X16M03	1725	STR.	Y16M03	1165	BT.
X16M__	⊕	STR.	Y16M04	1120	BT.
X19M__	⊕	STR.	Y16M05	1095	BT.
			Y16M06	1070	BT.
Y19M01	A+660	BT.	Y16M07	1045	BT.
Y19M02	1135	BT.	Y16M08	1020	BT.
Y19M03	1375	STR.	Y16M09	995	BT.
Y19M04	B+230	BT.	Y16M10	970	BT.
Y19M05	865	STR.	Y16M11	945	BT.
Y19M06	C+D+760	BT.	Y16M12	920	BT.

⊕ SEE PROJECT PLANS



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

DESIGN AGENCY
OFFICE OF STRUCTURAL ENGINEERING

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
12-15-94 DATE
Richard P. Engen
ADMINISTRATOR

REVIEWED LAW
CHECKED JS
DESIGNED REZA
DRAWN REZA

REVISIONS
8-21-98
01-06-99

STANDARD
BRIDGE RAILING
DEFLECTOR PARAPET TYPE
1065 mm

BR-1M

2/2