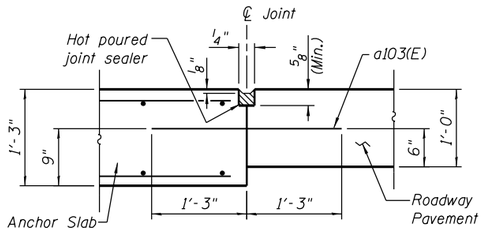
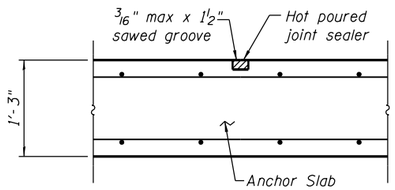


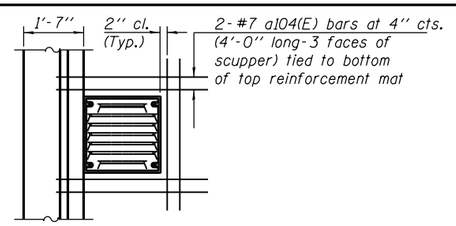
LONGITUDINAL CONSTRUCTION JOINT

See Article 420.05 & 420.12 of the Standard Specifications



TRANSVERSE CONTRACTION JOINT

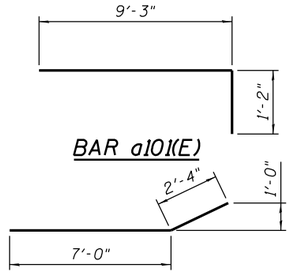
See Article 420.05 & 420.12 of the Standard Specifications



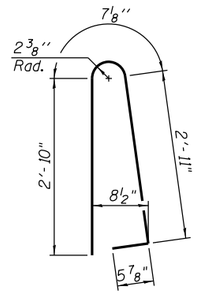
PLAN AT DRAINAGE STRUCTURE OPENING

(3 Locations)

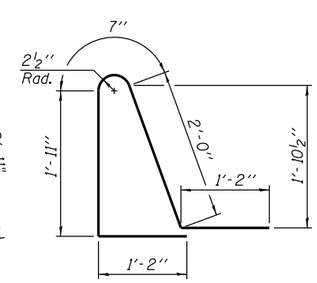
Note:
Cut longitudinal reinforcement to clear drainage structures.



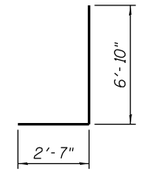
BAR a102(E)



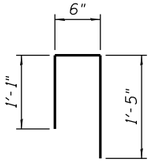
BAR d101(E)



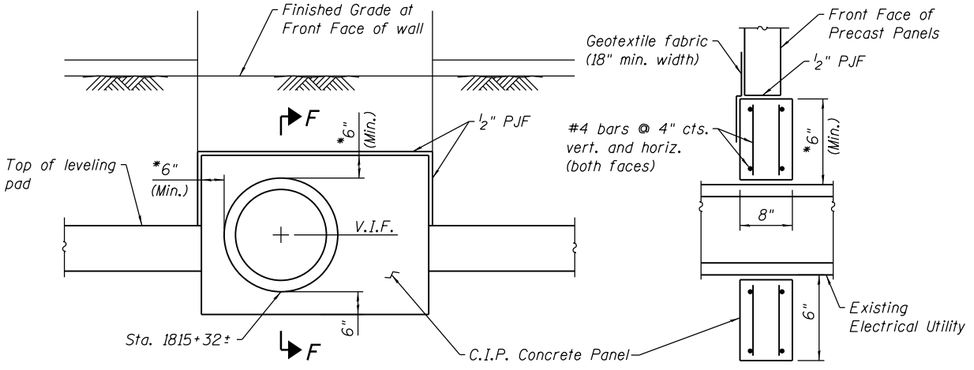
BAR d102(E)



BAR h102(E)



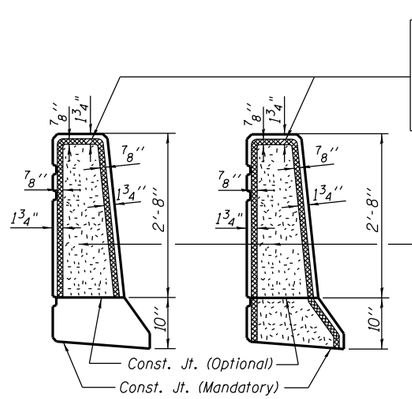
BAR u101(E)



PIPE PASS THROUGH MSE WALL DETAIL

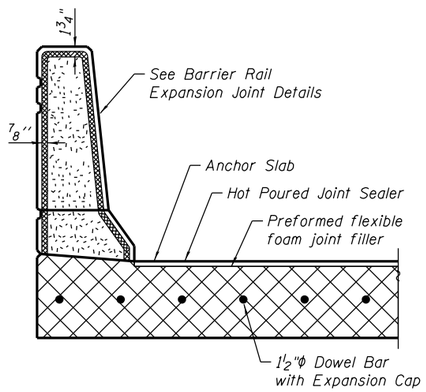
*Wall supplier to determine required dimensions and shall accommodate for wall settlement to prevent shearing of pipe.

SECTION F-F

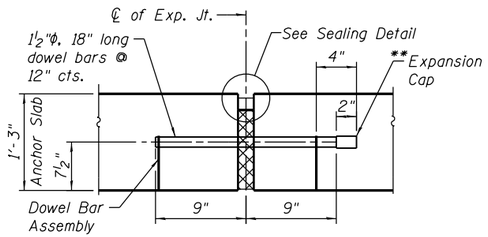


CONTRACTION EXPANSION

BARRIER RAIL JOINT DETAILS



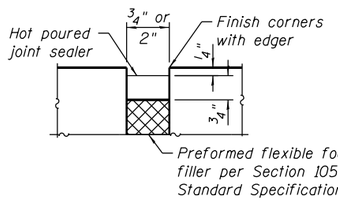
TRANSVERSE EXPANSION JOINT SECTION



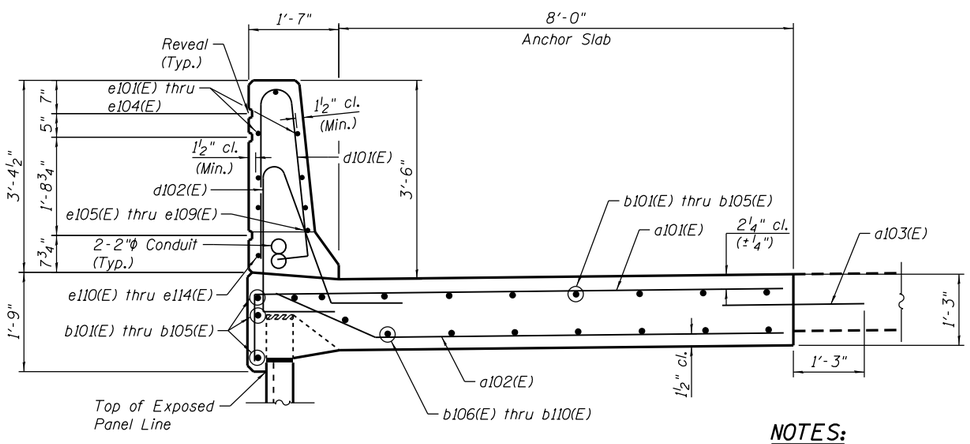
ANCHOR SLAB TO ANCHOR SLAB TRANSVERSE EXPANSION JOINT

Expansion Joint filler, sealer, Dowel Bars, Dowel Bar Assembly, and Expansion Caps included in cost of Concrete Superstructure.

**Expansion Caps shall be installed on the exposed end of each dowel bar once header has been removed and the joint filler material has been installed.



SEALING DETAIL



SECTION C-C

(Typical MSE Barrier Rail Section)

NOTES:

1. See bridge plans (SN 016-1705) for approach slab details and civil plans for roadway details.
2. Protective Coat is applied to top of Anchor Slab, inside vertical and top faces of barrier rail, and to exposed faces of MSE coping. Apply after Bridge Deck Grooving (Special) is complete.
3. Cost of concrete, rebar, geotextile fabric, and joint filler for Pipe Pass Through are included in cost of Mechanically Stabilized Earth Retaining Wall, Special.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a101(E)	924	#7	10'-5"	
a102(E)	686	#4	9'-4"	
a103(E)	286	#8	2'-6"	
a104(E)	18	#7	4'-0"	
b101(E)	24	#4	29'-8"	
b102(E)	72	#4	35'-0"	
b103(E)	108	#4	31'-8"	
b104(E)	36	#4	30'-6"	
b105(E)	36	#4	21'-8"	
b106(E)	16	#4	29'-8"	
b107(E)	64	#4	26'-11"	
b108(E)	96	#4	24'-5"	
b109(E)	32	#4	23'-7"	
b110(E)	32	#4	16'-11"	
d101(E)	930	#6	6'-10"	
d102(E)	930	#6	6'-10"	
d103(E)	24	#4	1'-5"	
e101(E)	28	#4	15'-5"	
e102(E)	70	#4	19'-8"	
e103(E)	154	#4	14'-8"	
e104(E)	35	#4	14'-1"	
e105(E)	2	#8	31'-2"	
e106(E)	6	#8	37'-9"	
e107(E)	9	#8	34'-5"	
e108(E)	3	#8	33'-4"	
e109(E)	2	#8	33'-3"	
e110(E)	2	#4	31'-2"	
e111(E)	8	#4	26'-11"	
e112(E)	12	#4	24'-5"	
e113(E)	4	#4	23'-7"	
e114(E)	3	#4	21'-8"	
h101(E)	10	#4	21'-1"	
h102(E)	5	#4	9'-5"	
u101(E)	24	#4	3'-0"	
Protective Coat			Sq. Yd.	960
Concrete Superstructure			Cu. Yd.	402
Reinforcement Bars, Epoxy Coated			Pound	60,520
Slope Wall 4"			Sq. Yd.	9

AECOM

USER NAME = dunkerleyb	DESIGNED - DEV	REVISED
	CHECKED - ATB	REVISED
PLOT SCALE = N.T.S.	DRAWN - BRD	REVISED
PLOT DATE = 4/28/2014	CHECKED - EJO	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS
STRUCTURE NO. 016-1720
SHEET NO. RW1-09 OF RW1-17 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	527
		CONTRACT NO. 60W28		
		ILLINOIS FED. AID PROJECT -NUMBER-		

0161720-60W28-S09-SuperStruct