

CONCRETE & CLAY CONDUITS

ODOT SPEC	ASTM unless noted as AASHTO	CLASS	SIZE	APPLICABLE CONDUIT TYPE	MATERIAL
706.01	C 14	1,2,3	4"-36"	A,B,C,D,E	non-reinforced concrete
706.02	C 655	2,3,4,5	6"-144"	A,B,C,D,E	reinforced concrete
706.03 (706.02, 706.04)	C 655 (Type A per 706.02) C 507 (Type B per 706.04) epoxy per DOD-P23236A(SH)	2,3,4,5 (706.02) HE: 1,2,3,4 VE: 2,3,4,5,6 (706.04)	6"-144" (706.02) equiv. round size HE: 18"-144" VE: 36"-144" (706.04)	A	epoxy coated reinforced concrete
706.04	C 507	HE: 1,2,3,4 VE: 2,3,4,5,6	equiv. round size HE: 18"-144" VE: 36"-144"	A,B,C,D,E	elliptical reinforced concrete
706.05 (SS940)	C 1577	for spans >12', design according to SS940 (14'-20' spans)	span by rise: 8x4,5,6,7; 10x5,6,7,8,9; and 12x4,6,8,10 feet	A,B,C	precast reinforced concrete box
706.051	C 1504 <i>AASHTO LRFD Bridge Design Specifications, Section 12.14</i>	5' max cover, greater covers contingent upon manufacturer approval	14'-34' spans opening rise: 4'-10' (max.)	A	precast reinforced concrete 3-sided flat topped
706.052	C 1504 <i>AASHTO LRFD Bridge Design Specifications, Section 12.14</i>	12' max cover, greater covers contingent upon manufacturer approval 12" min cover	clear span: 12' to 34', 36', 42', 48, 54', 60' opening rise: 4'-13' (max.)	A	precast reinforced concrete arch sections
706.053	C 1504 <i>AASHTO LRFD Bridge Design Specifications, Section 12.14</i>	12' max cover, greater covers contingent upon manufacturer approval 12" min cover	clear span: 12, 16, 20, 24, 30, 36, 42, 48, 54, 60, 66, 72, 78, & 84 feet. available in various risers and shapes	A	precast reinforced concrete round sections
706.06 (706.01 or 706.02)	C 444 C 14 (706.01) C 655 (706.02)	Type 1 or 2 1,2,3 (706.01) 2,3,4,5 (706.02)	4"-24"; 27" & larger	underdrains	perforated concrete
706.07	C 412	extra quality	4"-36"	E, underdrains	concrete drain tile
706.08	C 700	extra strength stnd strength	3"-48"	A,B,C,D,E underdrains	vitrified clay
706.09	C 4	extra quality	3 1/2"-30"	E, underdrains	clay drain tile

Type 1: circular perforations, Type 2: slotted perforations

3/19/2014