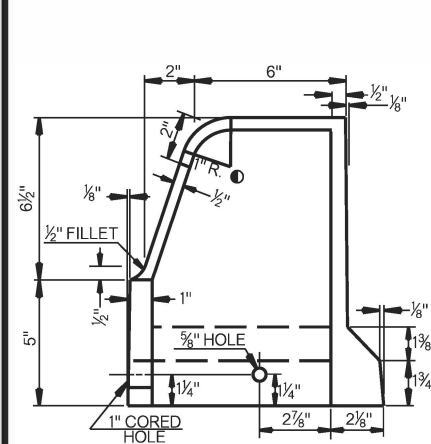
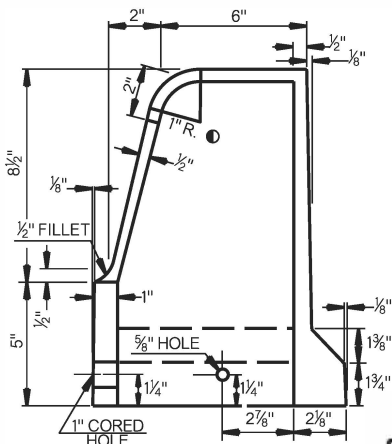


4" MOUNTABLE CURB HOOD

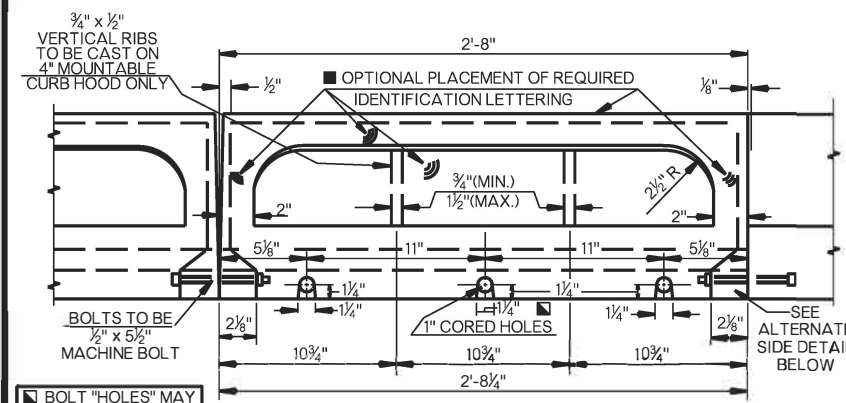
6" MOUNTABLE CURB HOOD



6" BARRIER CURB HOOD

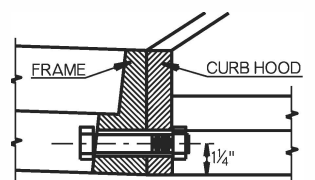


8" BARRIER CURB HOOD



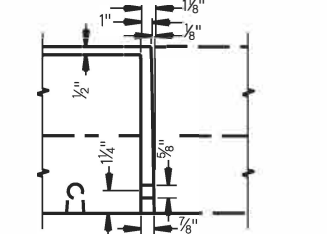
CAST IRON HOOD ELEVATION

■ BOLT "HOLES" MAY BE CLOSED CORED HOLES OR SLOTS.  
 ■ TOP OF HOOD SHALL STATE "DUMP NO WASTE" AND "DRAINS TO RIVER" OR SIMILAR WORDING.

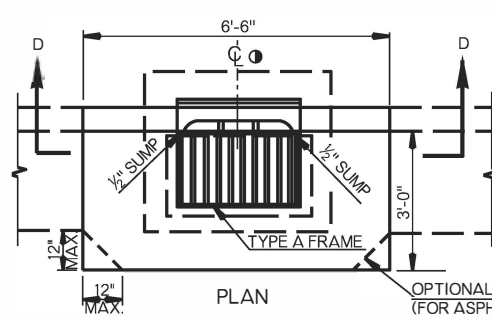


DETAIL OF CONNECTION FRAME & CAST IRON HOOD

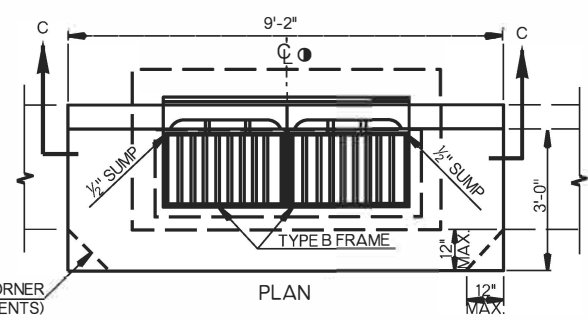
FRAME TO BE BOLTED TO THE HOOD WITH 3 EA. - 3/4" x 4 1/2" MACHINE BOLTS. FOR FRAME DETAILS, SEE ROADWAY STANDARD SSIF-5.



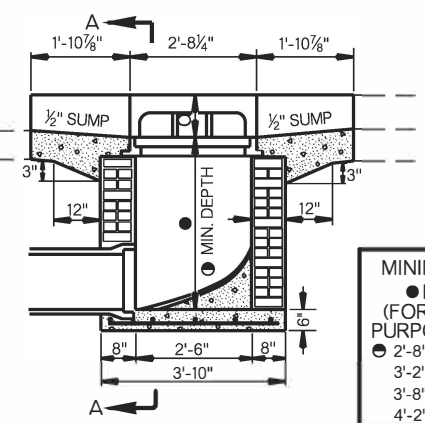
ALTERNATE SIDE DETAIL



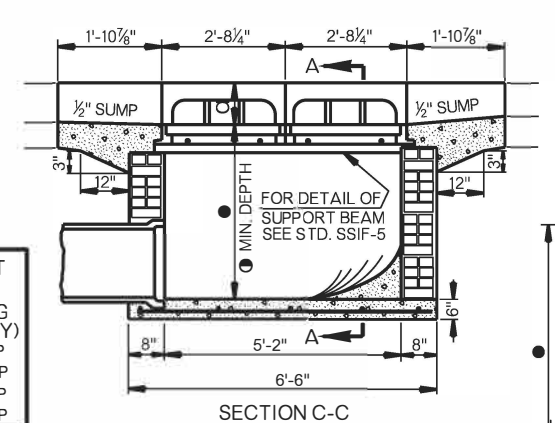
PLAN TYPE A FRAME (OPTIONAL CLIPPED CORNER (FOR ASPHALT PAVEMENTS))



PLAN TYPE B FRAME

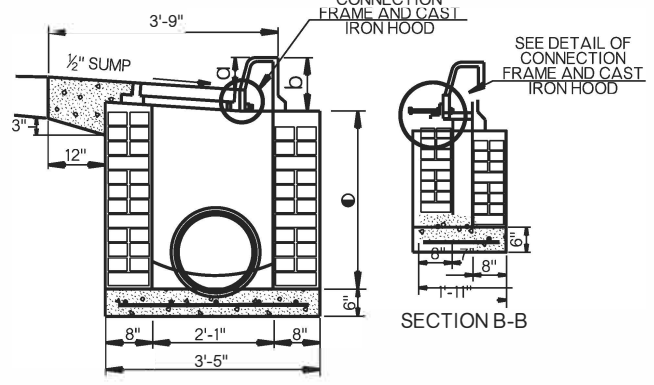


SECTION D-D DESIGN 1 (SINGLE GRATE)



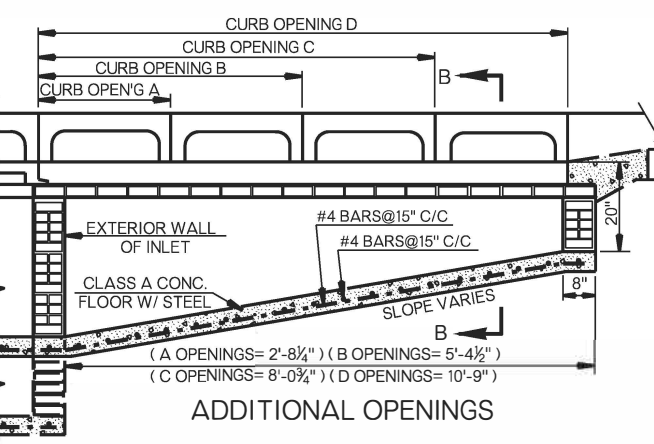
SECTION C-C DESIGN 2 (DOUBLE GRATING) DESIGN 3 (MULTIPLE DOUBLE GRATING)

MINIMUM INLET DEPTH (FOR DRAWING PURPOSES ONLY)  
 ● 2'-8" FOR 18" RCP  
 ● 3'-2" FOR 24" RCP  
 ● 3'-8" FOR 30" RCP  
 ● 4'-2" FOR 36" RCP



SECTION A-A

SECTION B-B



ADDITIONAL OPENINGS

● MINIMUM DEPTH MASONRY OR PRECAST WALLS  
 2'-3" FOR 18" RCP  
 2'-9" FOR 24" RCP  
 3'-3" FOR 30" RCP  
 3'-9" FOR 36" RCP

DESIGN NO.	TYPE OF CURB	DIMENSIONS	
		a	b
1	4" MOUNTABLE	4 1/2"	9 1/2"
	6" MOUNTABLE	6 1/2"	11 1/2"
	8" BARRIER	8 1/2"	13 1/2"
2	4" MOUNTABLE	4 1/2"	9 1/2"
	6" MOUNTABLE	6 1/2"	11 1/2"
	8" BARRIER	8 1/2"	13 1/2"
3	4" MOUNTABLE	4 1/2"	9 1/2"
	6" MOUNTABLE	6 1/2"	11 1/2"
	8" BARRIER	8 1/2"	13 1/2"

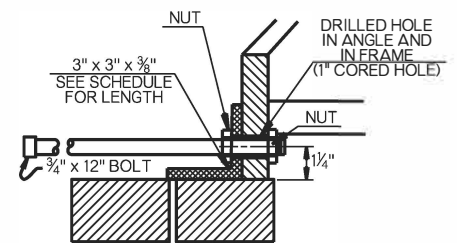
QUANTITIES (FOR 18" R.C. PIPE AND MIN. DEPTH)								
INLET DESIGN	CURB OPENING DESIGNATION	CLASS A CONCRETE CU. YD.	INLET		INLET FRAME & GRATE EACH	CAST IRON HOOD EACH	ANGLE IRON	
			BASE (CF) ▼	ADD'L CF PER VERT FT.			NO.	LENGTH
1	STD.	0.24	17.76	7.89	1	1	-	-
	A	0.34	23.84	7.89	1	2	1	2'-5 3/8"
	B	0.43	30.11	7.89	1	3	1	5'-1 1/8"
	C	0.53	36.38	7.89	1	4	1	7'-9 1/8"
	D	0.63	42.66	7.89	1	5	1	10'-6 1/8"
	2A	0.43	29.91	7.89	1	3	2	2'-5 3/8"
	A-B	0.53	36.19	7.89	1	4	2	2'-5 3/8"
	A-C	0.62	42.46	7.89	1	5	2	2'-5 3/8"
	2B	0.62	42.46	7.89	1	5	2	5'-1 1/8"
	B-C	0.72	48.74	7.89	1	6	2	5'-1 1/8"
2	2C	0.82	55.01	7.89	1	7	2	7'-9 1/8"
	STD.	0.41	25.76	11.45	2	2	-	-
	B	0.60	38.11	11.45	2	4	1	5'-1 1/8"
	C	0.73	44.39	11.45	2	5	1	7'-9 1/8"
	D	0.79	50.66	11.45	2	6	1	10'-6 1/8"
	2B	0.79	50.46	11.45	2	6	2	5'-1 1/8"
	2C	0.98	63.01	11.45	2	8	2	7'-9 1/8"
	B-D	0.98	63.01	11.45	2	8	2	5'-1 1/8"
	2D	1.17	75.56	11.45	2	10	2	10'-6 1/8"
	2D	1.17	75.56	11.45	2	10	2	10'-6 1/8"
3	STD.	0.74	41.27	18.34	4	4	-	-
	B	0.93	53.62	18.34	4	6	1	5'-1 1/8"
	D	1.12	66.17	18.34	4	8	1	10'-6 1/8"
	2B	1.12	65.98	18.34	4	8	1	5'-1 1/8"
	B-D	1.31	78.52	18.34	4	10	2	5'-1 1/8"
	2D	1.50	91.07	18.34	4	12	2	10'-6 1/8"

■ DEPTH OF 2'-8" SHALL BE USED AS STANDARD DEPTH FOR ALL PIPE SIZES AND/OR PIPE TYPES. FOR INLET DEPTHS GREATER THAN STANDARD DEPTH, A PAY ITEM FOR ADDITIONAL DEPTH IN INLET, PAID AS VERTICAL FEET, SHALL BE USED. TO DETERMINE TOTAL INLET QUANTITY FOR INLET DEPTHS GREATER THAN 2'-8", MULTIPLY ADDITIONAL DEPTH BY ADDITIONAL CUBIC FEET PER VERTICAL FOOT AND ADD TO THE INLET BASE, IN CUBIC FEET.  
 ▼ BASE AMOUNT IS THE CUBIC FEET OF THE INLET, WITHOUT ADDITIONAL DEPTH. AS AN EXAMPLE, THE DESIGN 1B INLET IS HAVING WALLS 8" THICK, WITH OUTSIDE DIMENSIONS OF 3'-10" AND 3'-6" FOR THE 'MAIN' BOX, AND WALLS 8" THICK AND OUTSIDE DIMENSIONS OF 1'-11" AND 5'-4 1/2" FOR THE 'B' CURB OPENING.  
 ■ QUANTITIES SHOWN ARE FOR 2 DOUBLE-GRATED INLETS.  
 ■ PAYMENT FOR ALL CLASS A CONCRETE AND ANY REINFORCING STEEL USED TO CONSTRUCT CAST-IN-PLACE INLET WALLS OR FLOORS SHALL BE INCLUDED IN THE PRICE BID FOR THE INLET. PRECAST INLET ALTERNATIVES ARE ACCEPTED, BUT ONLY IF THEIR DESIGNS FOLLOW ROADWAY STANDARD PCI-1.

SPECIAL DESIGN CASTINGS, HOODS, FRAMES OR GRATES MAY BE USED, IN LIEU OF STANDARD DESIGNS SHOWN ON THIS SHEET, IF APPROVED BY THE ENGINEER.

GENERAL NOTES

- ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS.
- ROADWAY STANDARD SSIF-5 FRAMES AND STANDARD CIG-4 GRATES SHALL BE USED WITH THESE INLETS UNLESS OTHERWISE SPECIFIED. COST OF THE FRAMES, GRATES AND HOODS SHALL BE INCLUDED IN THE COST OF THE CURB INLET.
- WHEN THE INLET IS BUILT IN NEW CONCRETE PAVEMENT, THE APRON AROUND THE INLET MAY BE BUILT INTEGRAL WITH PAVEMENT OR MAY BE SEPARATE AND OF THE SIZE AS SHOWN. THE THICKNESS SHALL BE THE SAME AS THE CONCRETE PAVEMENT OR CURB AND GUTTER. IF CONSTRUCTED IN ANY OTHER AREA OR IN EXISTING PAVEMENT, THE APRON AROUND THE INLET SHALL BE THE SIZE AS SHOWN AND BUILT OF P.C. CONCRETE TO A MINIMUM 8 INCH THICKNESS.
- THERE WILL BE NO DEDUCTION OF PAYMENT FOR CONCRETE CURB AND GUTTER OR P.C. CONCRETE THROUGH THE EXTENTS OF THE INLET HOODS. DEDUCTION WILL BE MADE FOR THE PAYMENT OF INTEGRAL CURB THROUGH THE EXTENTS OF THE INLET HOODS.
- ALL LETTERING TO BE RECESSED 1/16 INCH AND SHALL NOT EXCEED ONE INCH IN HEIGHT. INFORMATION REQUIRED SHALL BE AS STATED IN THE SPECIFICATIONS. LOCATION OF LETTERING TO BE AS SHOWN, WITH ADDITIONAL IDENTIFICATION LETTERING AT OTHER LOCATIONS PERMITTED.
- CAST-IN-PLACE CONCRETE WALLS MEETING MIX REQUIREMENTS OF CLASS A CONCRETE MAY BE BUILT IN LIEU OF THE BRICK MASONRY TO THE SAME DIMENSIONS AS SHOWN. NO. 4 REINFORCING STEEL BARS SPACED 30" VERTICALLY AND 12" HORIZONTALLY WILL BE REQUIRED FOR ALL CAST-IN-PLACE INLET WALLS EXCEEDING 5 FEET IN DEPTH (GUTTER ELEVATION TO THE FLOWLINE ELEVATION). COST OF STEEL REINFORCING TO BE INCLUDED IN THE COST OF THE CURB INLET.
- ALL CAST-IN-PLACE CLASS A CONCRETE INLET FLOORS SHALL HAVE NO. 4 REINFORCING STEEL PLACED AT 16" MAXIMUM C/C SPACING IN BOTH DIRECTIONS.
- THE STANDARD DRAWING, DESIGN NUMBER, DESIGNATION NUMBER, AND NUMBER OF ADDITIONAL OPENINGS SHALL BE INDICATED ON THE PLANS. I.E. ROADWAY STANDARD CI-2, DES. 1 (A-B).
- TYPE B AND C FRAMES TO BE USED FOR MULTIPLE DOUBLE GRATES. SEE ROADWAY STANDARD SSIF-5 FOR DETAILS.
- BOLT(S) WITH EXPANSION DEVICES OR EPOXY-TYPE PUTTY TO BE USED TO INSTALL CAST IRON HOODS INTO CONCRETE CURB. COST OF INSTALLATION TO BE INCLUDED IN PRICE BID FOR THE CURB INLET.
- CASTINGS AS SHOWN HERE SHALL BE CAST STEEL, DUCTILE IRON OR GRAY IRON CONFORMING TO SECTION 725 OF THE ODOT SPECIFICATIONS.
- TWO INCH RADIUS MAY BE USED IF APPROVED BY THE ENGINEER.
- CONSTRUCTION STATIONING OF THE CURB INLETS IS DETERMINED BY THE CENTERLINE (C) OF THE SURFACE GRATES.



DETAIL OF CONNECTION ANGLE IRON & CAST IRON HOOD

NOTE: ANGLE IRON TO BE BOLTED TO HOOD WITH 3 EACH - 3/4" x 12" MACHINE BOLTS IN EACH HOOD SECTION.

BASIS OF PAYMENT		
ITEM NO.	ITEM	UNIT
611 (G)	INLET ( CI DES. ▲ )	EA
611 (H)	ADDITIONAL DEPTH IN INLET ( CI DES. ▼ )	VF
611 (I)	REPLACEMENT OF INLET FRAME AND GRATE ▲	EA
611 (J)	REPLACEMENT OF INLET FRAME	EA
611 (K)	REPLACEMENT OF INLET GRATE	EA
611 (M)	REPLACEMENT OF CAST IRON HOOD	EA

▲ SPECIFY INLET DESIGN & CURB OPENING DESIGNATION.  
 ▼ SPECIFY INLET DESIGN 1, 2 OR 3.  
 ▲ TYPE OF FRAME AND TYPE OF GRATE SHALL BE SPECIFIED.

APPROVED BY ROADWAY ENGINEER: *[Signature]* DATE: 6/30/22  
 ROADWAY DESIGN DIVISION STANDARD

CAST-IN-PLACE CURB INLETS

