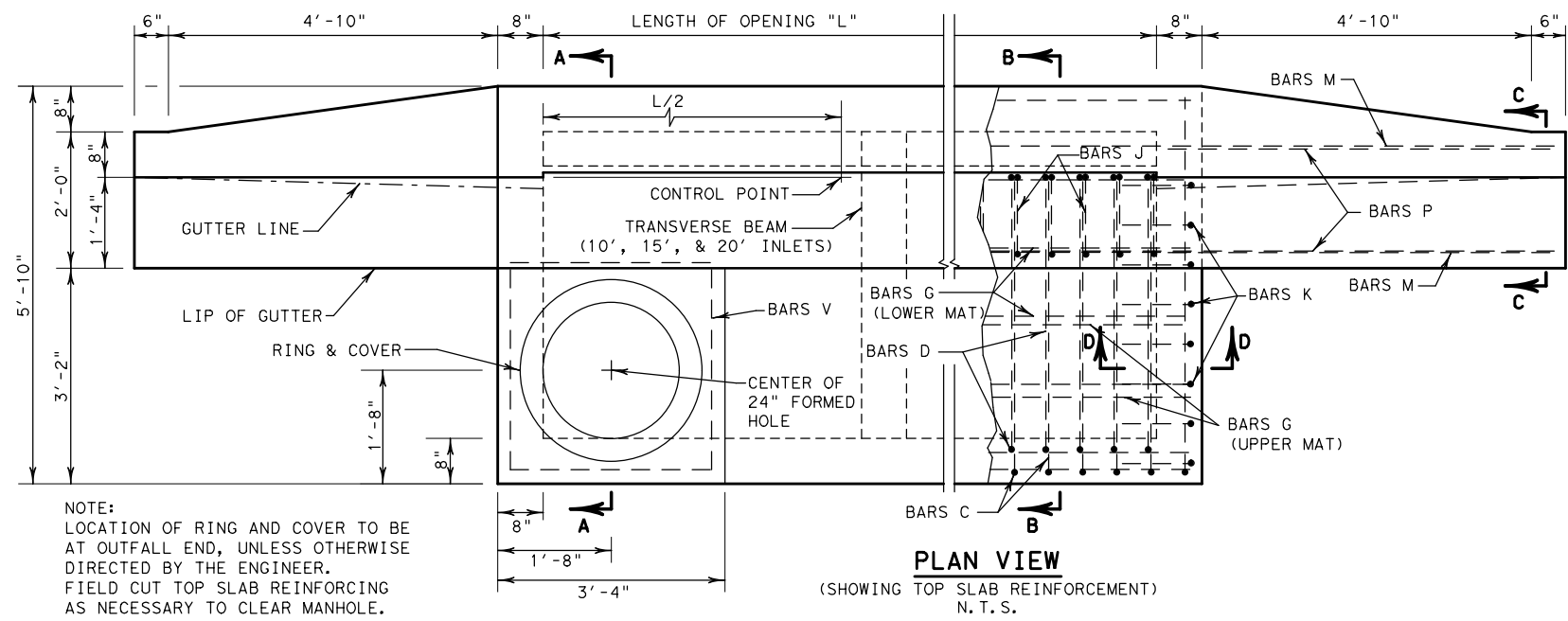
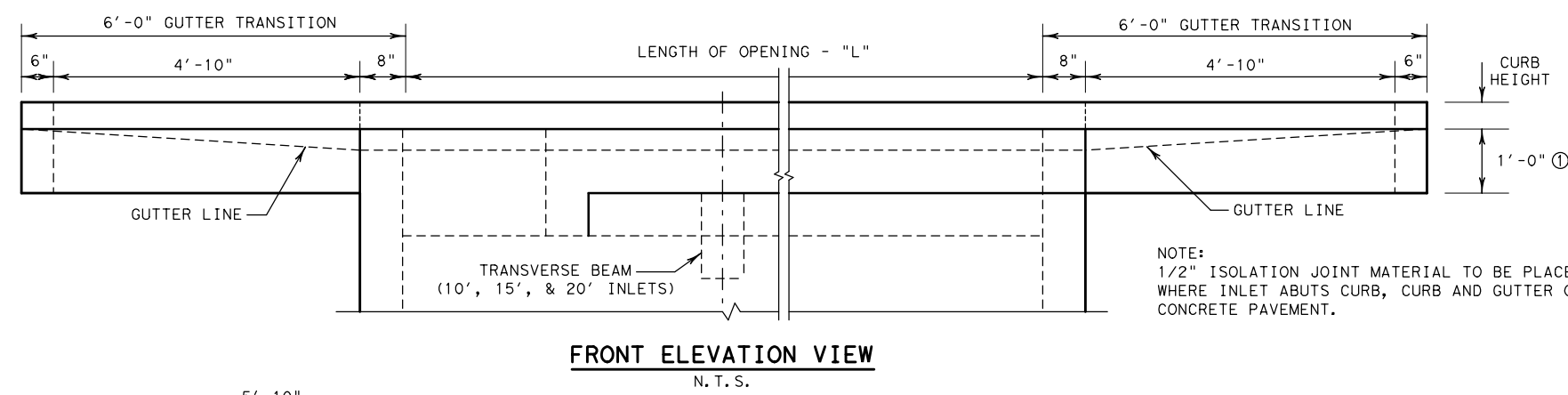
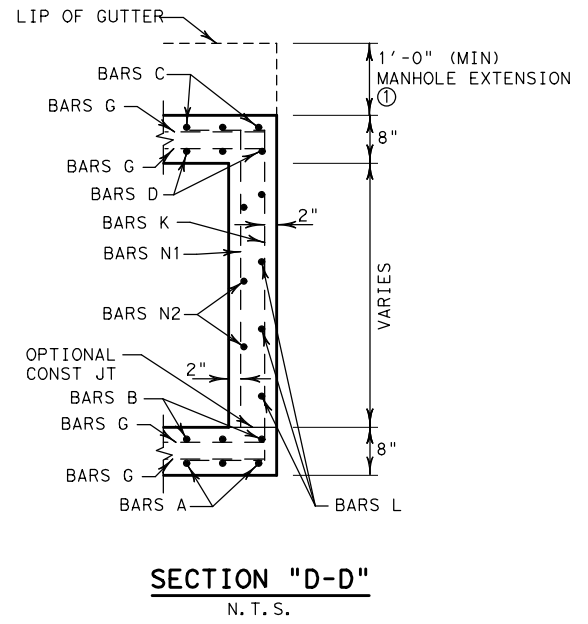
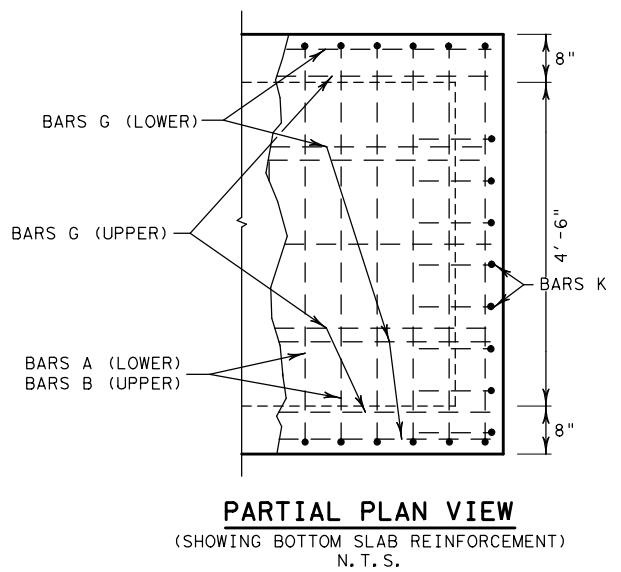


DISCLAIMER: THIS STANDARD IS GOVERNED BY THE "TEXAS ENGINEERING PRACTICE ACT". NO WARRANTY OF ANY KIND IS MADE BY TXDOT FOR ANY PURPOSE WHATSOEVER. TXDOT ASSUMES NO RESPONSIBILITY FOR THE CONVERSION OF THIS STANDARD TO OTHER FORMATS OR FOR INCORRECT RESULTS OR DAMAGES RESULTING FROM ITS USE.

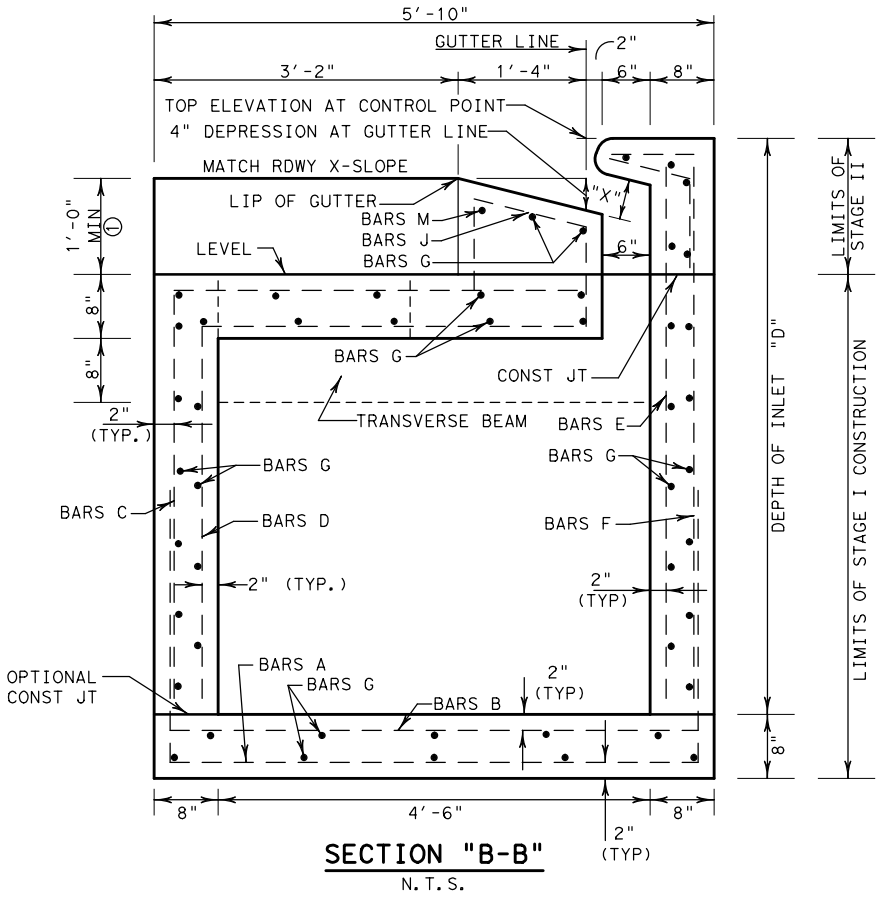
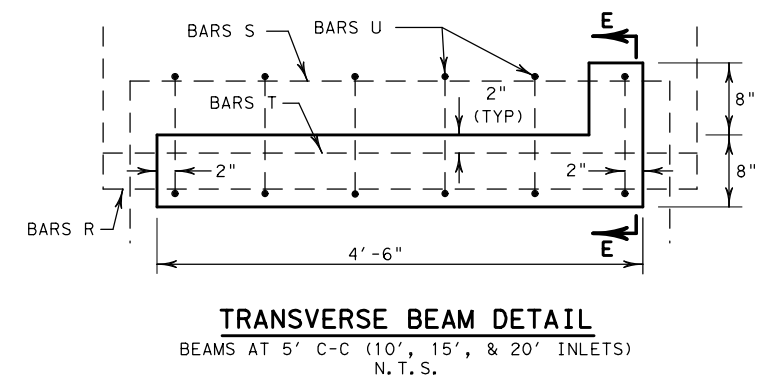
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NOTE:
 LOCATION OF RING AND COVER TO BE AT OUTFALL END, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
 FIELD CUT TOP SLAB REINFORCING AS NECESSARY TO CLEAR MANHOLE.

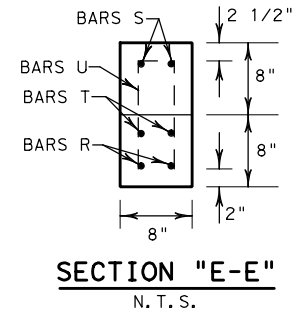
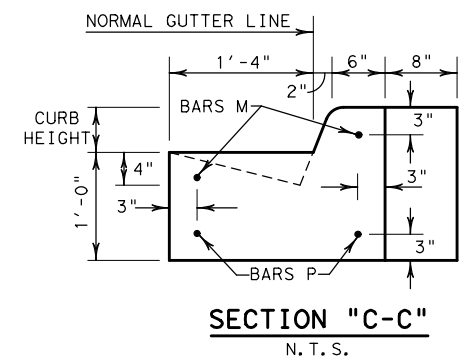
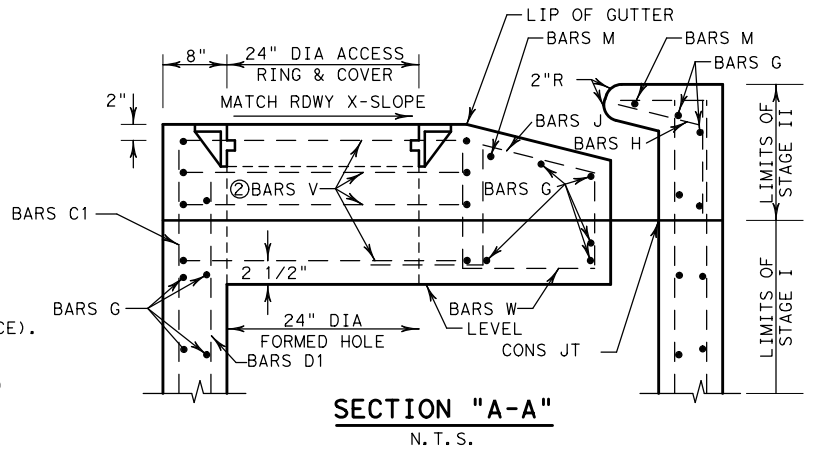


NOTE:
 1/2" ISOLATION JOINT MATERIAL TO BE PLACED WHERE INLET ABUTS CURB, CURB AND GUTTER OR CONCRETE PAVEMENT.



THROAT DIMENSION	
CURB HEIGHT (IN)	"X"
5	5"
6	5 7/8"
7	6 1/4"
8	6 1/2"

- ① MATCH DEPTH OF PAVEMENT STRUCTURE (BASE AND SURFACE). ADJUST BAR LENGTHS AS DIRECTED BY THE ENGINEER. (SEE DETAIL, SHEET 2 OF 2)
- ② STAGE II BARS V @ 3 EQUAL SPACES



MAXIMUM PARALLEL * CONDUIT SIZE	
PIPE DIAMETER (IN)	BOX SPAN (FT)
42	3

* PARALLEL TO ROADWAY

NOTE:
 SEE SHEET 2 OF 2 FOR DETAILS OF REINFORCING STEEL, ESTIMATED QUANTITIES, AND GENERAL NOTES.

SHEET 1 OF 2 SHEETS

Texas Department of Transportation

Fort Worth District Standard

CURB INLET UNDER PAVEMENT FOR USE WITH TYPE II CURB I-CU (FTW)

ORIGINAL DRAWING: 05/2019	icu-ftw.dgn	FED. RD. DIV. NO.	PROJECT NO.	SHEET NO.
DATE	REVISIONS	6		
05/2019	NEW STANDARD	STATE	COUNTY	
04/2020	ADD MAX CONDUIT SIZE TABLE	TEXAS	FTW	
11/2020	REVISE JOINT NOMENCLATURE	CONT.	SECT.	JOB
				HIGHWAY NO.

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http://www.dot.state.tx.us/ftw/specinfo/standard.htm
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BILL OF REINFORCING STEEL FOR "D" = 6'

Length L [ft]	Bars A		Bars B		Bars C		Bars C1		Bars D		Bars D1		Bars E		Bars F		Bars G		Bars H		Bars J		Bars K		Bars L		Bars M		Bars N1		Bars N2	
	#5	at 6' Spa	#5	at 6' Spa	#5	at 6' Spa	#5	at 6' Spa	#5	at 6' Spa	#5	at 6' Spa	#5	at 6' Spa	#5	at 6' Spa	#5	at 6' Spa	#4	at 12' Spa	#4	at 12' Spa	#4	at 7' Spa	#5	at 6' Spa	#4	at 12' Spa	#4	at 12' Spa	#4	at 12' Spa
5.0	13	151	13	75	6	54	7	39	4	38	7	37	11	67	13	90	54	338	7	9	7	21	16	72	14	138	2	22	10	29	8	29
10.0	23	268	23	132	16	145	7	39	14	131	7	37	21	128	23	160	54	620	12	15	12	35	16	72	14	138	2	29	10	29	8	29
15.0	33	384	33	189	26	235	7	39	24	225	7	37	31	189	33	229	54	901	17	21	17	50	16	72	14	138	2	36	10	29	8	29
20.0	43	501	43	247	36	325	7	39	34	319	7	37	41	249	43	299	54	1183	22	27	22	65	16	72	14	138	2	42	10	29	8	29

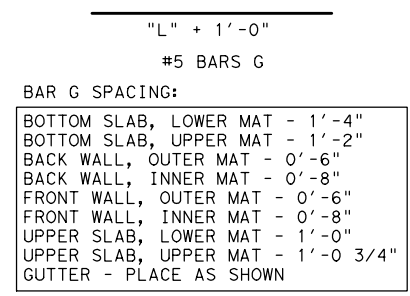
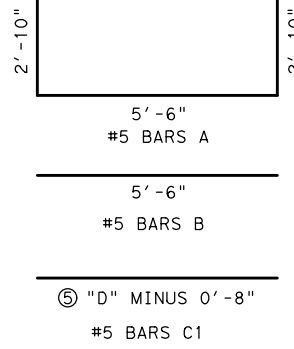
BILL OF REINFORCING STEEL FOR "D" = 6' (CONTINUED)

Length L [ft]	Bars P		Bars R		Bars S		Bars T		Bars U		Bars V		Bars W	
	#4	at 10' Spa	#6	at 10' Spa	#6	at 10' Spa	#6	at 10' Spa	#4	at 10' Spa	#4	at 10' Spa	#4	at 10' Spa
5.0	4	15	0	0	0	0	0	0	0	4	35	6	11	
10.0	4	15	2	23	2	21	2	17	6	13	4	35	6	11
15.0	4	15	4	45	4	43	4	33	12	26	4	35	6	11
20.0	4	15	6	68	6	64	6	50	18	39	4	35	6	11

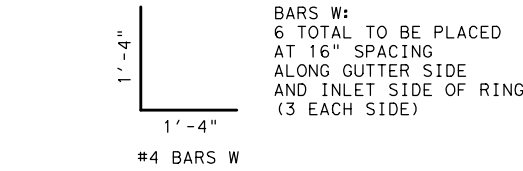
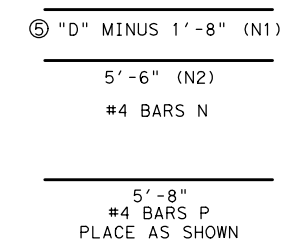
SUMMARY OF QUANTITIES

Total Reinf Steel	Steel Qty Adjust.	Class "C" Concrete	Concrete Qty Adjust.
Weight [Lb]	PLF [Lb]	Class "C" Concrete [CY]	Concrete Qty Adjust. [CY]
1,269	157.9	5.43	0.54
2,139	236.1	8.31	0.78
3,010	314.3	11.19	1.03
3,881	392.5	14.07	1.28

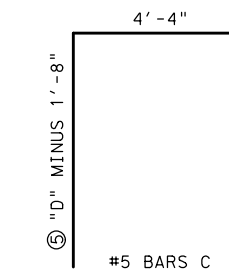
* BASED ON 6" CURB HEIGHT. ADJUST FOR OTHER CURB HEIGHTS.



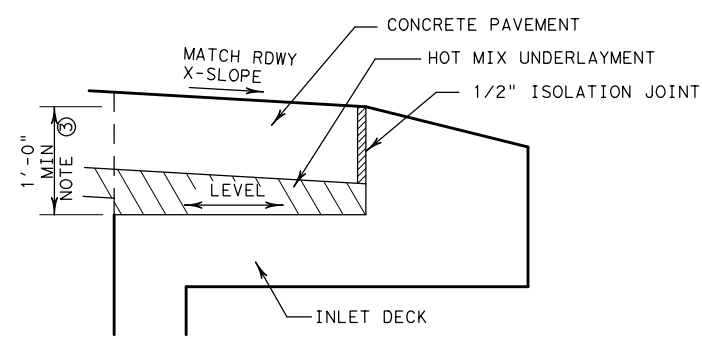
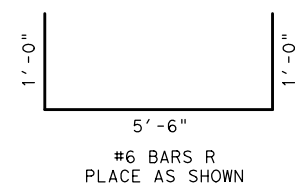
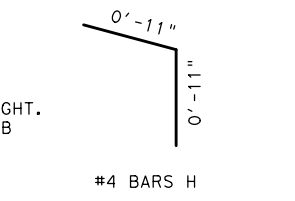
BAR G SPACING:
 BOTTOM SLAB, LOWER MAT - 1'-4"
 BOTTOM SLAB, UPPER MAT - 1'-2"
 BACK WALL, OUTER MAT - 0'-6"
 BACK WALL, INNER MAT - 0'-8"
 FRONT WALL, OUTER MAT - 0'-6"
 FRONT WALL, INNER MAT - 0'-8"
 UPPER SLAB, LOWER MAT - 1'-0"
 UPPER SLAB, UPPER MAT - 1'-0 3/4"
 GUTTER - PLACE AS SHOWN



BARS W:
 6 TOTAL TO BE PLACED AT 16" SPACING ALONG GUTTER SIDE AND INLET SIDE OF RING. (3 EACH SIDE)

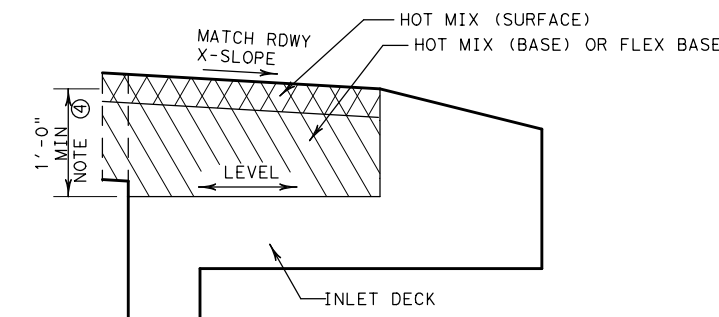
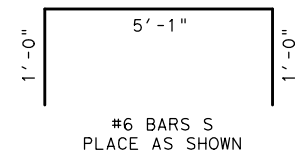
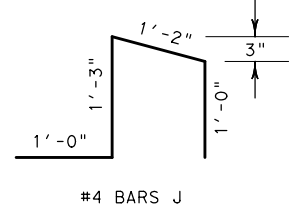
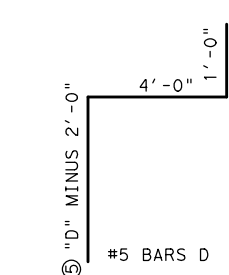


Ⓢ BASED ON 6" CURB HEIGHT. ADJUST FOR OTHER CURB HEIGHTS.



Ⓢ THICKNESS OF CONCRETE PAVEMENT PLUS HOT MIX UNDERLAYMENT; IF LESS THAN 1'-0", INCREASE DEPTH OF HOT MIX UNDERLAYMENT.

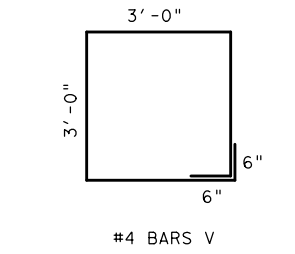
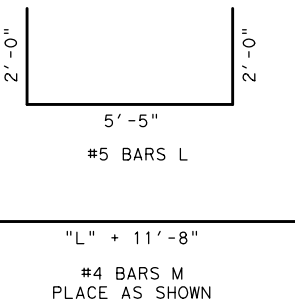
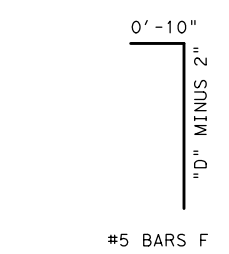
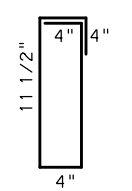
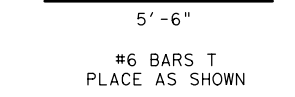
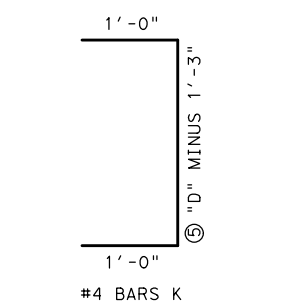
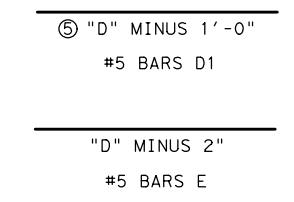
INLET ADJACENT TO CONCRETE PAVEMENT



Ⓢ THICKNESS OF HOT MIX (SURFACE) PLUS HOT MIX (BASE) OR FLEX BASE. IF LESS THAN 1'-0", INCREASE DEPTH OF HOT MIX (BASE) OR FLEX BASE OVER INLET DECK.

MAXIMUM THICKNESS = 1'-6"
 PLACE FLEX BASE IN MINIMUM 4" LIFTS

INLET ADJACENT TO HOT MIX PAVEMENT



GENERAL NOTES

- DESIGNED FOR AASHTO LRFD HL-93 LOADING.
- ALL CONCRETE FOR CAST-IN-PLACE STRUCTURES SHALL BE CLASS "C"; ALL CONCRETE FOR PRECAST STRUCTURES SHALL BE CLASS "H" (MINIMUM 5000 PSI DESIGN STRENGTH).
- ALL REINFORCING STEEL SHALL BE GRADE 60.
- STAGE I MAY BE EITHER CAST-IN-PLACE OR PRECAST. FABRICATE PRECAST STRUCTURES USING REBAR AS DETAILED HEREON, WITH BARS C, D, E, F AND J TO BE INCLUDED WITH STAGE I. SPLICING OF BARS WILL NOT BE PERMITTED, EXCEPT AS NOTED.
- STAGE II SHALL BE CAST-IN-PLACE.
- CHAMFER ALL EXPOSED CORNERS 3/4", EXCEPT WHERE NOTED OTHERWISE.
- DIMENSIONS RELATING TO REINFORCING STEEL ARE TO THE CENTERS OF BARS.
- FIELD CUT AND BEND BARS AS NECESSARY TO ACCOMMODATE STORM DRAIN PIPE.
- FOR PIPE AND BOX CONNECTIONS TO PRECAST INLETS, SEE STANDARD DETAIL SHEET PBGC.
- INSTALL RING AND COVER AT OUTFALL END OF INLET, UNLESS OTHERWISE DIRECTED. CAST IRON RING AND COVER SHALL CONFORM TO ITEM 471. SEE STANDARD MDD (FTW) FOR RING AND COVER DETAILS.
- DEPTHS OTHER THAN THOSE SHOWN MAY BE USED WHENEVER NECESSARY, UP TO A MAXIMUM DEPTH OF 15'. QUANTITIES FOR OTHER DEPTHS MAY BE DETERMINED BY INTERPOLATION.
- DO NOT COMMENCE WITH STAGE II CONSTRUCTION UNTIL CONCRETE PAVEMENT AND CURB, OR CONCRETE CURB AND GUTTER CONSTRUCTION IS COMPLETED AT THE INLET SITE.
- INSTALL A TEMPORARY WOOD COVER AFTER STAGE I IS COMPLETED, TO REMAIN IN PLACE UNTIL STAGE II CONSTRUCTION BEGINS.
- THE LOCATION OF INLET AS SHOWN IN THE PLAN REFERS TO THE CONTROL POINT AT THE FACE OF CURB AND MID-POINT OF THE INLET.
- IF CONCRETE PAVEMENT IS PLACED WITHOUT UNDERLAYMENT, PLACE BOND BREAKER (3 LAYERS OF 30# ROOFING FELT OR 1/2" EXPANSION JOINT MATERIAL) BETWEEN INLET DECK AND CONCRETE PAVEMENT.
- PLACE A SEALED 1/2" ISOLATION JOINT ALONG ALL VERTICAL FACES ABUTTING CONCRETE PAVEMENT, CURB, CURB AND GUTTER, OR SIDEWALK. USE CLASS 5 OR 8 JOINT SEALANT TO SEAL THE JOINT. SEE STANDARD JS (FTW) FOR ADDITIONAL INFORMATION.

SHEET 2 OF 2 SHEETS

		Fort Worth District Standard	
<h2>CURB INLET UNDER PAVEMENT FOR USE WITH TYPE II CURB I-CU (FTW)</h2>			
ORIGINAL DRAWING: 05/2019	icu-ftw.dgn	FED. RD. DIV. NO. 6	PROJECT NO.
DATE	REVISIONS	SHEET NO.	
05/2019	REPLACES CI-2-08 (F#)	STATE	COUNTY
04/2020	ADD MAX CONDUIT SIZE TABLE	TEXAS	FTW
11/2020	REVISE JOINT NOMENCLATURE	CONT.	SECT. JOB HIGHWAY NO.