\$\$DATE\$\$
\*DGN-SPEC\*
MMO REV: MMO

## **DETAIL OF PRECAST CONCRETE BOX CULVERT M259**

(WITH EQUAL TO OR GREATER

AASHO DESIGNATION M259 (ASTM DESIGNATION C-789) DESIGN LOADING = HS20-44

THAN 2 FEET OF COVER)

## GENERAL NOTES

SHOP PLANS FOR THE REINFORCEMENT SHALL BE SUBMITTED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 504.04(a) OF THE STANDARD SPECIFICATIONS.

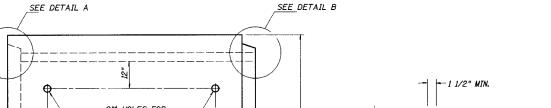
MINIMUM CONCRETE STRENGTH SHALL BE 5000 PSI AFTER 28 DAYS.

THE JOINTS OF THE PRECAST BOX SECTIONS SHALL BE SEALED IN ACCORDANCE WITH ARTICLE 542.04(d) OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

THE TERMS As , As , AND AS DENOTE THE REQUIRED STEEL AREAS FOR REINFORCEMENT AS SPECIFIED IN ASSHTO M259. REINFORCEMENT SHALL BE WELDED WIRE FABRIC CONFORMING TO ASSHTO M55.

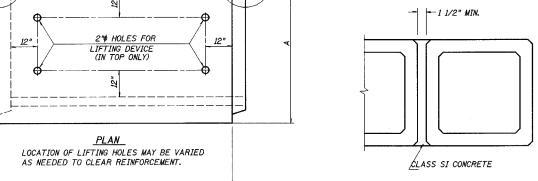
LIFTING HOLES SHALL BE FILLED WITH CONCRETE PLUGS AND MASTIC AFTER THE BOX SECTIONS ARE IN PLACE.

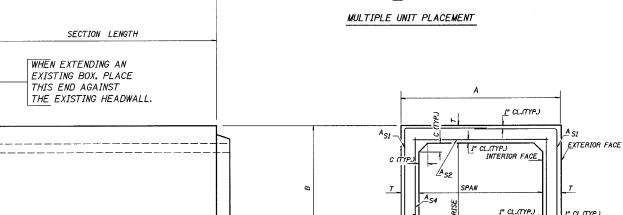
DRAINAGE OPENINGS SHALL BE PROVIDED IN ACCORDANCE WITH ARTICLE 503.12 OF THE STANDARD SPECIFICATIONS. LOCATION AND SPACING OF THE OPENINGS SHALL BE SHOWN ON THE SHOP



DETAIL B

(TYP. OUTLET END)





	<b>/</b>
	LONGITUDINAL REINFORCEMENT
ELEVATION	CROSS SECTION

SECTION COUNTY 774 107 WRS-2, L EFFINGHAM 127 69 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

CONTRACT NO. 74130

CULVERT SIZE	DIMENSIONS				
SPANxRISE	Т	A	В	С	
(FOOT)	(INCHES)	FT-IN	FT-IN	(INCHES	
2x2	4	2-8	2-8	4	
3x2	4	3-8	2-8	4	
3x3	4	3-8	3-8	4	
4x2	5	4-10	2-10	5	
4 x 3 4 x 4	5 5	4-10 4-10	3-10 4-10	5 5	
5x2	6	6-0	3-0	6	
5x3	6	6-0	4-0	6	
5x4	6	6-0	5-0	6	
5 <i>x</i> 5			6-0	6	
6x2	7	7-2	3-2	7	
6x3	7	7-2	4-2	7	
6x4	7	7-2	5-2	7 7	
6x5 6x6	7 7	7-2 7-2	6-2 7-2	7	
7x4	8	8-4	5-4	8	
7x5	8	8-4	6-4	8	
7x6	8	8-4	7-4	8	
7x7	8	8-4	8-4	8	
8 x 4	8	9-4	5-4	8	
8x5	8	9-4	6-4	8	
8x6 8x7	· 8	9-4 9-4	7-4 8-4	8	
8x8	8	9-4	9-4	8	
9x5	9	10-6	6-6	9	
9x6	9	10-6	7-6	9	
9x7	9	10-6	8-6	9	
9x8	9	10-6	9-6	9	
9x9	9	10-6	10-6	<u> </u>	
10x5 10x6	10 10	11-8 11-8	6-8 7-8	10 10	
10x6 10x7	10	11-8	8-8	10	
10x8	10	11-8	9-8	10	
10x9	10	11-8	10-8	10	
10x10	10	11-8	11-8	10	
11x4	11	12-10	5-10	11	
11x6	11	12-10	7-10	11	
11x8 11x10	11 11	12-10 12-10	9-10 11-10	11	
11 x 1 1	11	12-10	12-10	11	
12x4	12	14-0	6-0	12	
12x6	12	14-0	8-0	12	
12x8	12	14-0	10-0	12	
12x10 12x12	12 12	14-0 14-0	12-0 14-0	12	
12 x 1 Z	12	14-0	14-0	12	

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION		
NAME	DATE			
		PRECAST CONC BOX CULVERT DI SHEET 2 OF	ETAILS	
			DRAWN BY DIST. 7	
		DATE REVISED: 05/28/99	CHECKED BY BWC	

EFFINGHAM COUNTY

DETAIL A

NOTE: INLET AND OUTLET ENDS SHALL BE COMPATIBLE.

(TYP. INLET END)

\* THE D DIMENSION SHALL CONFORM TO THE

MANUFACTURER'S STANDARDS.