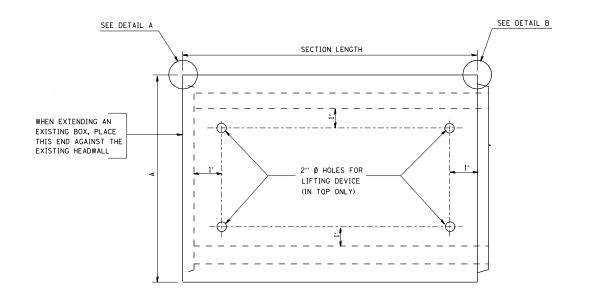
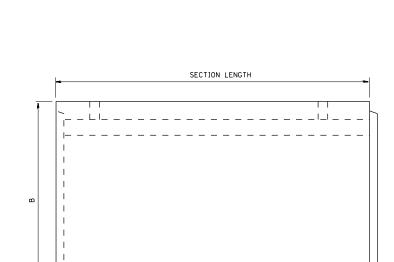
DETAIL OF PRECAST CONCRETE BOX CULVERT SECTION

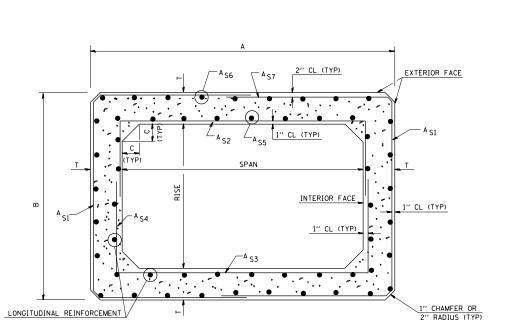
WITH LESS THAN 2 FEET OF COVER ASTM DESIGNATION C-850 AASHTO DESIGNATION M-273 DESIGN LOADING: HS-20-44



PLAN
LOCATION OF LIFTING HOLES MAY BE VARIED
AS NEEDED TO CLEAR REINFORCEMENT.



ELEVATION



DETAIL B

(TYP OUTLET END)

NOTE: INLET AND OUTLET ENDS SHALL BE COMPATIBLE

• THE D DIMENSION SHALL CONFORM TO THE MANUFACTURE'S STANDARDS.

CROSS SECTION

SCALE:

GENERAL NOTES

SHOP PLANS FOR THE REINFORCEMETN 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 WITH MASTIC IN ACCORDANCE
WITH ARTICLE 755.01 OF THE STANDARD
SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

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

THE TERMS AS1, AS2, AND AS3 DENOTE THE REQUIRED STEEL AREAS FOR REINFORCEMENT AS SPECIFIED IN ASTM 850. REINFORCEMENT SHALL BE OF WELDED WIRE FABRIC CONFORMING TO ASTM SPECIFICATIONS S 185.

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 DRAWINGS.

DIMENSIONS

SPAN X RISE	T INCHES	A (FT-IN)	B (FT-IN)	C INCHES	SPAN X RISE	T (INCHES	A (FT-IN)	B (FT-IN)	C INCHES
2' X2'	4	2-8	2-8	4	9′ X5′	9	10-6	6-6	9
3′ X2′	4	3-8	2-8	4	9' X6'	9	10-6	7-6	9
3′ X3′	4	3-8	3-8	4	9′ X7′	9	10-6	8-6	9
4′ X2′	5	4-10	2-10	5	9′ X8′	9	10-6	9-6	9
4′ X3′	5	4 - 10	3-10	5	9′ X9′	9	10-6	10-6	9
4' X4'	5	4 - 10	4-10	5					
5′ X2′	6	6-0	3-0	6	10' X4'	10	11-8	5-8	10
5′ X3′	6	6-0	4-0	6	10' X5'	10	11-8	6-8	10
5' X4'	9	6-0	5-0	6	10' X6'	10	11-8	7-8	10
5′ X5′	9	6-0	6-0	6	10′ X7′	10	11-8	8-8	10
6′ X2′	7	7-2	3-2	7	10' X8'	10	11-8	9-8	10
6' X3'	7	7-2	4-2	7	10′ X9′	10	11-8	10-8	10
6′ X4′	7	7-2	5-2	7	10' X10'	10	11-8	11-8	10
6′ X5′	7	7-2	6-2	7					
6′ X6′	7	7-2	7-2	7	11' X4'	11	12-10	5-10	11
					11′ X6′′	11	12-10	7-10	11
					11' X8'	11	12-10	9-10	11
7′ X4′	8	8-4	5-4	8	11' X10'	11	12-10	11-10	11
7′ X5′	8	8-4	6-4	8	11' X11'	11	12-10	12-10	11
7′ X6′	8	8-4	7-4	8					
7′ X7′	8	8 - 4	8-4	8					
					12′ X4′	12	14-0	6-0	12
8' X4'	8	9-4	5-4	8	12′ X6′	12	14-0	8-0	12
8′ X5′	8	9-4	6-4	8	12′ X8′	12	14-0	10-0	12
8′ X6′	8	9-4	7-4	8	12' X10'	12	14-0	12-0	12
8′ X7′	8	9-4	8-4	8	12' X12'	12	14-0	14-0	12
8' X8'	8	9-4	9-4	8					

ı						
	FILE NAME =	USER NAME = rjo	DESIGNED -	REVISED -		
	boxcul.dgn		DRAWN -	REVISED -		
		PLOT SCALE = 100.0000 '/ IN.	CHECKED -	REVISED -		
		PLOT DATE = 10/17/2011	DATE - 10/19/11	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRECAST CONCRETE			F.A.P. SECTION		COUNTY	TOTAL SHEETS	SHEET NO.				
BOX CULVERT				103	27-1-VHB-1		ST. CLAIR	277	110		
							CONTRACT	NO.	76884		
	SHEET NO.	OF	SHEETS	STA.	TO STA.	FFD RO	AD DIST NO	THE INOIS FED. AT	D PROJECT		