

# DETAIL OF PRECAST CONCRETE BOX CULVERT SECTION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	03-00017-00-BT	MADISON	19	10
MADISON COUNTY, ILLINOIS		FED. AID PROJECT		
CONTRACT No. 97286				

## 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 with mastic in accordance with Article 755.01 of the Standard Specifications for Road and Bridge Construction.

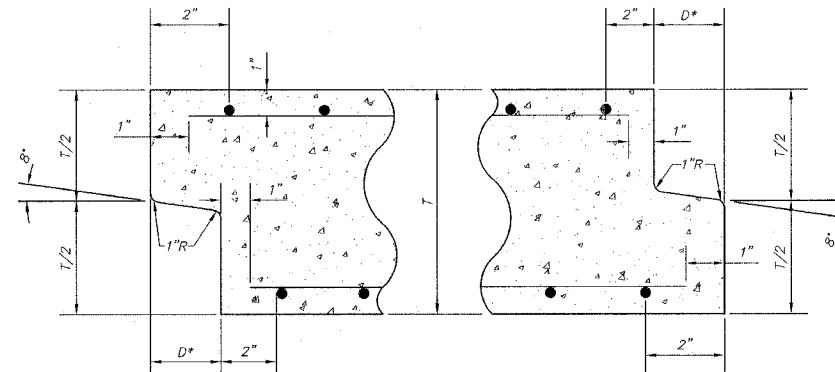
Lifting holes shall be filled with concrete plugs and mastic after the box sections are in place.

The terms AS1, AS2, and AS3 denote the required steel areas for reinforcement as specified in ASTM C 789. 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

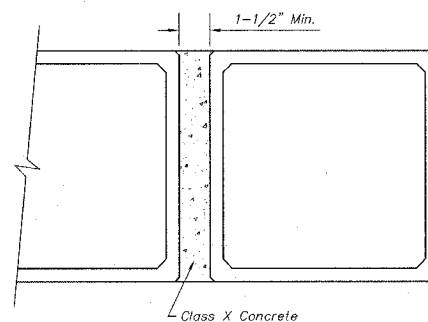
Span X Rise	T (inches)	A (ft.-in.)	B (ft.-in.)	C (inches)	Span X Rise	T (inches)	A (ft.-in.)	B (ft.-in.)	C (inches)
2' X 2'	4	2-8	2-8	4	9' X 5'	9	10-6	6-6	9
3' X 2'	4	3-8	2-8	4	9' X 6'	9	10-6	7-6	9
3' X 3'	4	3-8	3-8	4	9' X 7'	9	10-6	8-6	9
4' X 2'	5	4-10	2-10	5	9' X 8'	9	10-6	9-6	9
4' X 3'	5	4-10	3-10	5	9' X 9'	9	10-6	10-6	9
4' X 4'	5	4-10	4-10	5					
5' X 2'	6	6-0	3-0	6					
5' X 3'	6	6-0	4-0	6	10' X 5'	10	11-8	6-8	10
5' X 4'	6	6-0	5-0	6	10' X 6'	10	11-8	7-8	10
5' X 5'	6	6-0	6-0	6	10' X 7'	10	11-8	8-8	10
6' X 2'	7	7-2	3-2	7	10' X 8'	10	11-8	9-8	10
6' X 3'	7	7-2	4-2	7	10' X 9'	10	11-8	10-8	10
6' X 4'	7	7-2	5-2	7	10' X 10'	10	11-8	11-8	10
6' X 5'	7	7-2	6-2	7					
6' X 6'	7	7-2	7-2	7					
					11' X 4'	11	12-10	5-10	11
					11' X 6'	11	12-10	7-10	11
					11' X 8'	11	12-10	9-10	11
					11' X 10'	11	12-10	11-10	11
					11' X 11'	11	12-10	12-10	11
					12' X 4'	12	14-0	6-0	12
					12' X 6'	12	14-0	8-0	12
					12' X 8'	12	14-0	10-0	12
					12' X 10'	12	14-0	12-0	12
					8' X 4'	8	9-4	5-4	8
					8' X 5'	8	9-4	6-4	8
					8' X 6'	8	9-4	7-4	8
					8' X 7'	8	9-4	8-4	8
					8' X 8'	8	9-4	9-4	8



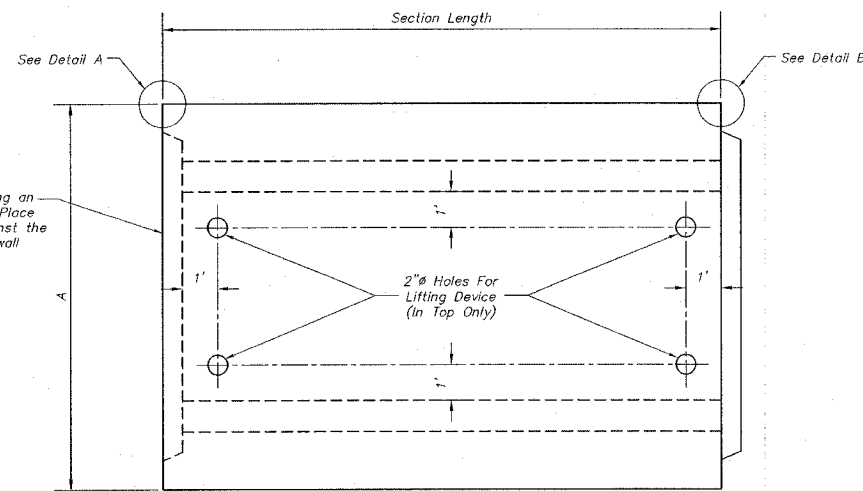
**DETAIL A**  
(Typ. Inlet End)

**DETAIL B**  
(Typ. Outlet End)

NOTE: Inlet and Outlet Ends shall be Compatible  
\* The D Dimension shall Conform to the Manufacturer's Standards

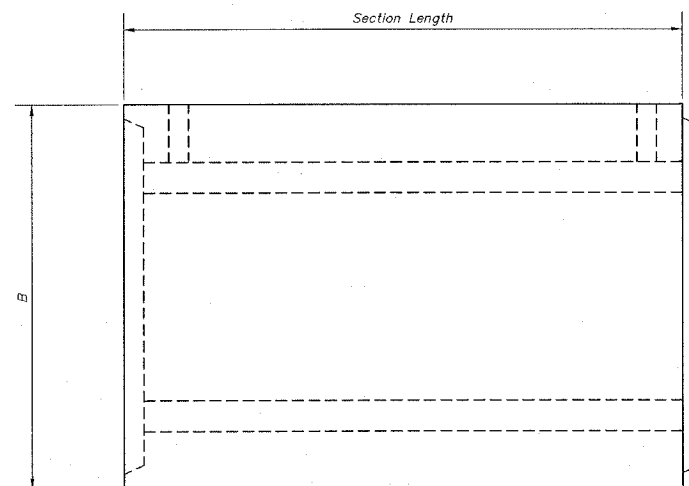


**MULTIPLE UNIT PLACEMENT**

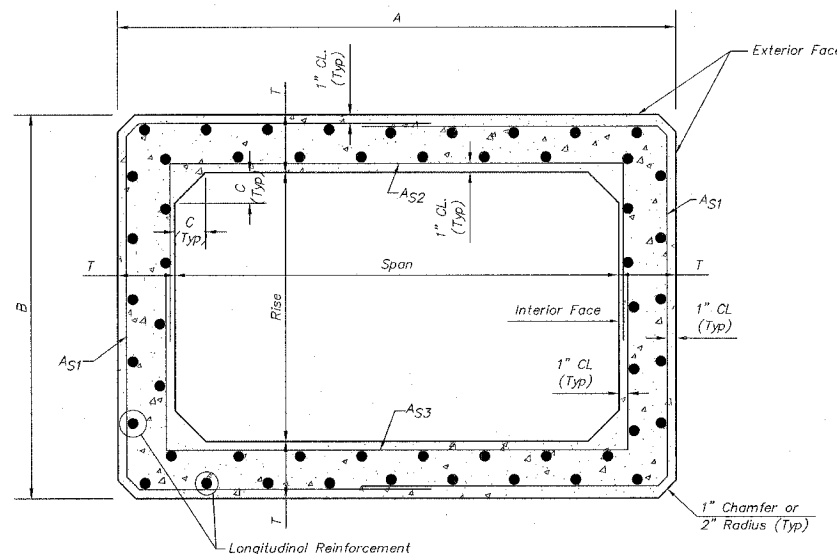


**PLAN**

Location of lifting holes may be varied as needed to clear reinforcement



**ELEVATION**



**CROSS SECTION**

Revisions	
Name	Date

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**VILLAGE OF GODFREY, ILLINOIS**  
**LAVISTA PARK NATURE TRAIL IMPROVEMENTS**  
**GODFREY SECTION 00-00017-00-BT**  
**BOX CULVERTS DETAILS**