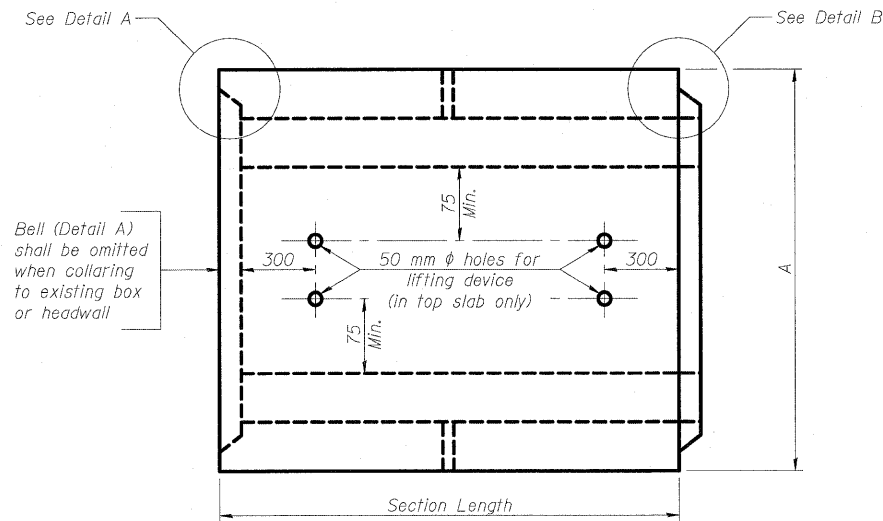


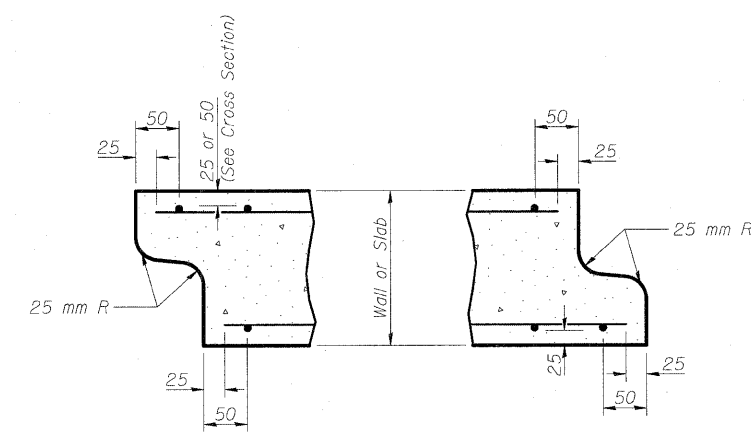
CONTRACT NO.				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
781	1YRS, 2ZRS-1	CRAWFORD	378	196
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**PLAN**

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

Bell (Detail A) shall be omitted when collaring to existing box or headwall

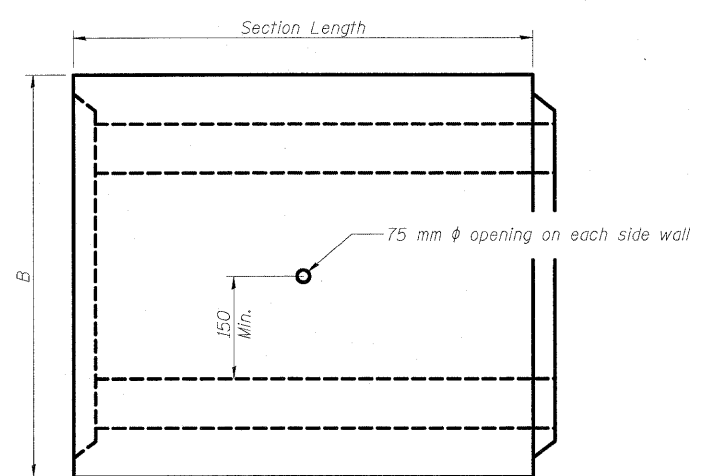


**DETAIL A**  
(Typ. Inlet End)

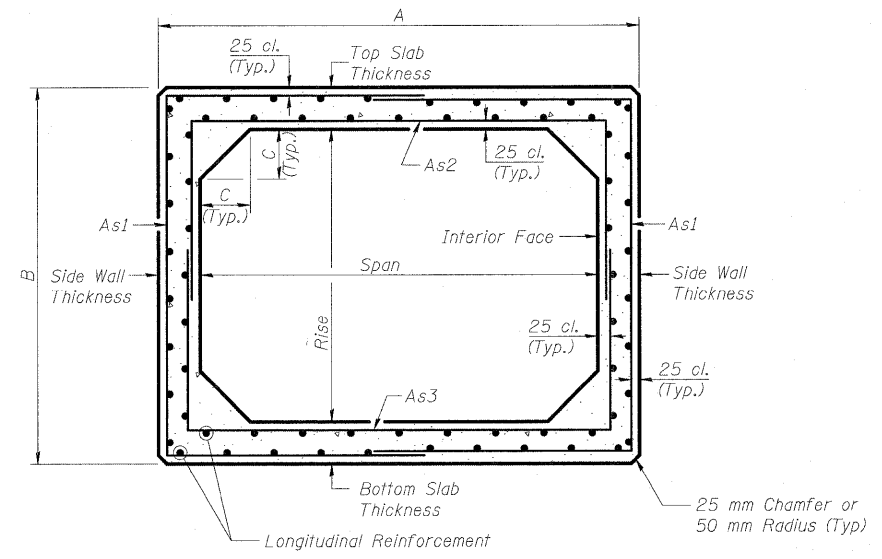
**DETAIL B**  
(Typ. Outlet End)

NOTES: Inlet and outlet ends shall be compatible. End detail is subject to variation by fabricator.

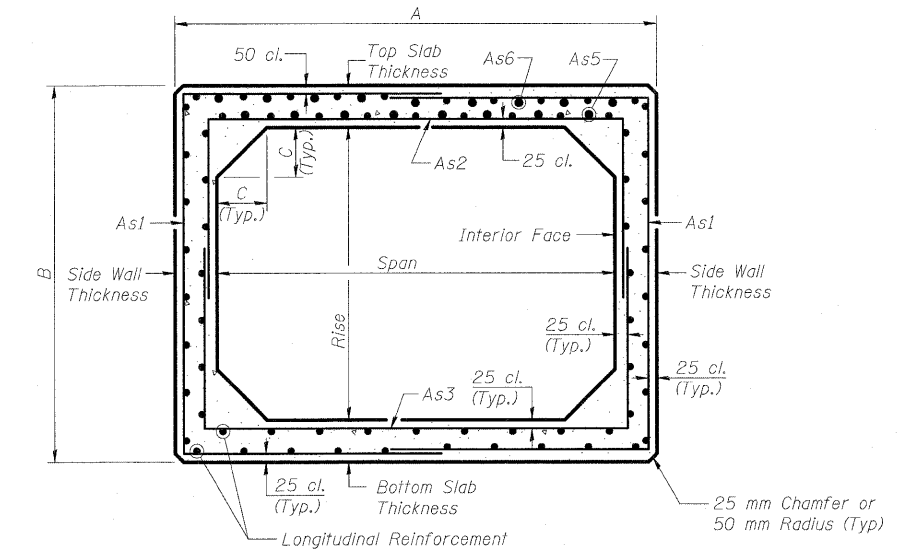
Box Culvert No.	Span	Rise	Fill Depth at Shoulder	Design Specifications
1	900	450	< 0.6m	M-273M
4	600	600	< 0.6m	M-273M
8	3000	1650	< 0.6m	M-273M
10	600	450	> 0.6m	M-259M
11	900	600	< 0.6m	M-273M
15	600	450	< 0.6m	M-273M
16	900	450	> 0.6m	M-259M
17	600	600	< 0.6m	M-273M



**ELEVATION**



**CROSS SECTION**  
(AASHTO M-259M)



**CROSS SECTION**  
(AASHTO M-273M)

**GENERAL NOTES**

- The Contractor shall determine box culvert dimensions A, B & C and reinforcement requirements which satisfy AASHTO M-259M or M-273M.
- The terms As1 thru As6 denote the required steel areas for reinforcement as specified in AASHTO M-259M and M-273M.
- Reinforcement shall be welded wire fabric conforming to ASTM specifications A-185.
- Splicing and laps shall conform to AASHTO M-259 and ASTM C-789.
- Lifting holes shall be filled with concrete plugs and mastic after box sections are in place.
- Edge beam reinforcement shall be provided per requirements of AASHTO M-273M.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
BOX CULVERT EXTENSIONS  
PRECAST SECTION DETAILS

SCALE NONE DRAWN BY MLB  
DATE DECEMBER 10, 2006 CHECKED BY MTH

PLOT DATE = 3/20/2009 FILE NAME = H:\4420\44205 (Lin Eng)\design files\12-18-2006\9-15.dgn