

(ft.)	Reinforcing Steel A <sub>sim</sub> (in. <sup>2</sup> /ft.)										
(in.)	2	3	4	5	6	7	8	9	10	11	12
1	0.19	0.15									
5	0.26	0.21	0.18								
5		0.26	0.23	0.22							
7		0.33	0.59	0.27	0.28						
3			0.43	0.39	0.36	0.34	0.40				
)				0.43	0.40	0.37	0.36	0.48			
0				0.47	0.44	0.41	0.38	0.42	0.56		
1			0.54		0.46		0.41		0.50	0.65	
2			0.58		0.50		0.45		0.46		0.75

(Asim reinforcement shall consist of welded wire fabric conforming to AASHTO M 55 or M 221).

Sections B-B and C-C and Partial Superimposed Headwall Elevation are symmetric about the  $\mathcal{Q}$  culvert through 180° rotation.

Alternate Section C-C is provided to allow the Contractor the option of casting the bottom slab of the end section first followed by construction of the sidewalls using conventional forming methods. Shop drawings that detail slab thickness and reinforcement layout shall be submitted to the Engineer for review and approval when

The size and spacing of the v (E) bars shall provide a minimum reinforcement area along each<sup>2</sup>face of the walls (in.<sub>2</sub>/ft.) equal to  $1.10^{*}(A_{sim})$ .  $v_{2}(E)$  bars may consist of #3 thru #6 size reinforcement bars and the longitudinal spacing shall not exceed

Bonded construction joints shall be prepared in accordance with

## DOUBLE CELL PRECAST BOX CULVERT END SECTIONS

(Sheet 2 of 2)

	F.A. RTE.		SEC	TION		COUNTY	TOTAL SHEETS	SHEET NO.	
	71		12	1R		MCLEAN	87	36	
						CONTRACT	NO. 70	592	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT									