

SHEET NO. 2 OF 2

PLOT DATE 7/2013

PLOT DATE =

CHECKED

REVISED

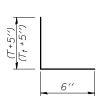
(f†.)	Reinforcing Steel A <sub>s1m</sub> (in.²/ft.)													
	2	3	4	5	6	7	8	9	10	11	12			
	0.19	0.17												
	0.26	0.21	0.18											
		0.26	0.23	0.22										
		0.33	0.59	0.27	0.28									
			0.43	0.39	0,36	0.34	0.40							
				0.43	0.40	0.37	0.36	0.48						
				0.47	0.44	0.41	0.38	0.42	0.56					
			0.54		0.46		0.41		0.50	0.65				
			0.58		0.50		0.45		0.46		0.75			

(A<sub>slm</sub> reinforcement based upon welded wire fabric conforming to AASHTO M 55 or M 221).

Alternate Section D-D 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 using Alternate Section D-D.

The size and spacing of the  $v_2(E)$  bars shall provide a minimum reinforcement area along each face of the walls (in.<sup>2</sup>/ft.) equal to 1.10\*(A<sub>sim</sub>). v<sub>2</sub>(E) bars may consist of #3 thru #6 size reinforcement bars and the longitudinal spacing shall not exceed the lesser of the wall thickness or 8 inches. Bonded construction joints shall be prepared according to

Article 503.09 of the Standard Specifications.



BAR V(E)

	F.A.P. RTE	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.					
CULVERT END SECTIONS	303	129R	WINNEBAGO	968	696						
				CONTRACT	NO. 6	4988					
2 SHEETS		ILLINOIS F	FED. AI	D PROJECT							