

- Top of Upstream Headwall

yield strength.

alternatives.

Bar be

Table 1: Black bar, 0.8 Class C Table 2: Black bar, Top bar lap, 0.8 Class C Table 3:Epoxy bar, 0.8Class CTable 4:Epoxy bar, Top bar lap, 0.8Class CTable 5:Epoxy bar, Class C Table 6: Epoxy bar, Top bar top, Class C



* For one end section

	BOX CULVERT
 STATE OF ILLINOIS	
 DEPARTMENT OF TRANSPORTATION	

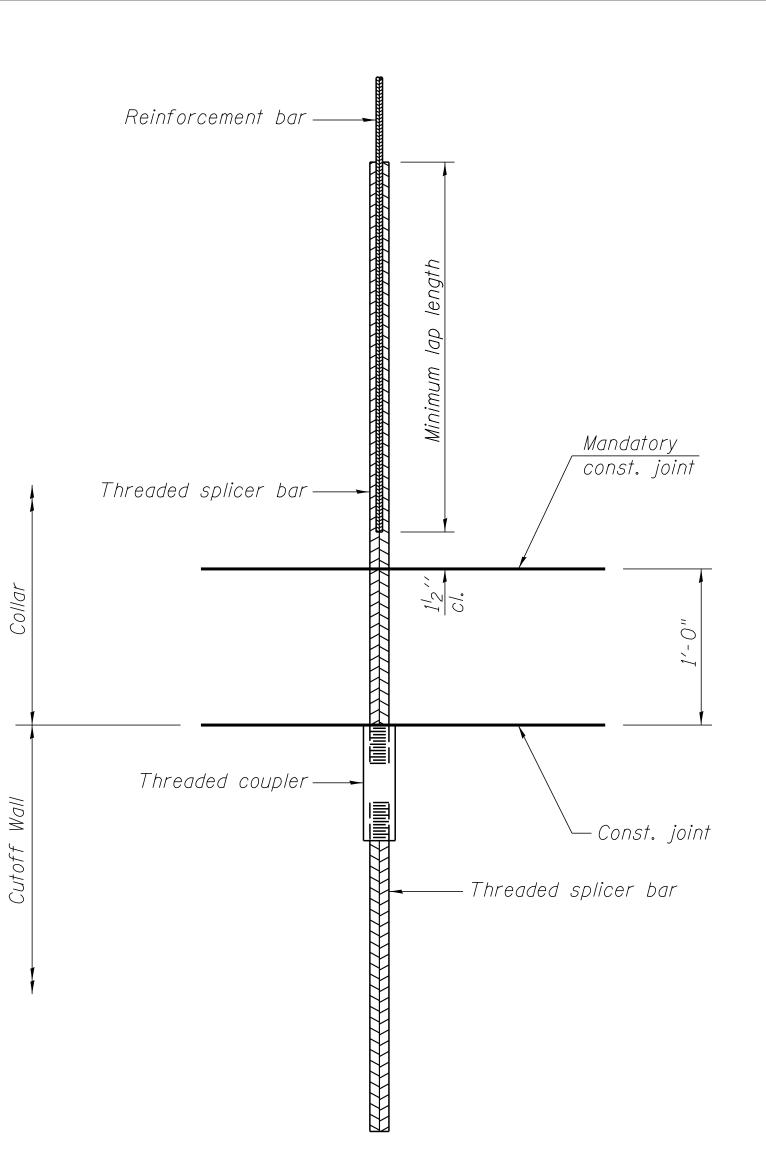
NOTES

See approved list of bar splicer assemblies and mechanical splicers for

All reinforcement shall be lapped and tied to the splicer bars.

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi

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BAR SPLICER ASSEMBLY FOR BOX CULVERT END SECTION

Minimum Lap Lengths								
size to spliced	Table 1	Table 2	Table 3	Table 4	Table 5	Table 6		
3, 4	1'-5''	1'- 11''	2'-1''	2'-4''	2'-7''	2'-11''		
5	1'-9''	2'-5''	2'-7''	2'-11''	3'-3''	3′-8′′		
6	2'-1''	2'-11''	3'-1''	3′-6′′	3'-10''	4′-5′′		
7	2'-9''	3'-10''	4'-2''	4'-8''	5'-2''	5′-10′′		
8	3′-8′′	5′-1′′	5′-5′′	6'-2''	6'-9''	7′-8′′		
9	4'-7''	6′-5′′	6′-10′′	7'-9''	8'-7''	9′-8′′		

Threaded splicer bar length = min. lap length + $1_2^{\prime\prime}$ + thread length

Location	Bar size	No. assemblies required	Table for minimum lap length
Cutoff Wall	5	10	1

CTION DETAILS AND WATERPROOFING LIMITS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TRUCTURE NO. 050–2055		(110) BR-2	LASALLE	69	32
			CONTRAC	T NO. 6	6B19
SHEET NO. 5 OF 6 SHEETS		ILLINOIS FED. AI	D PROJECT		