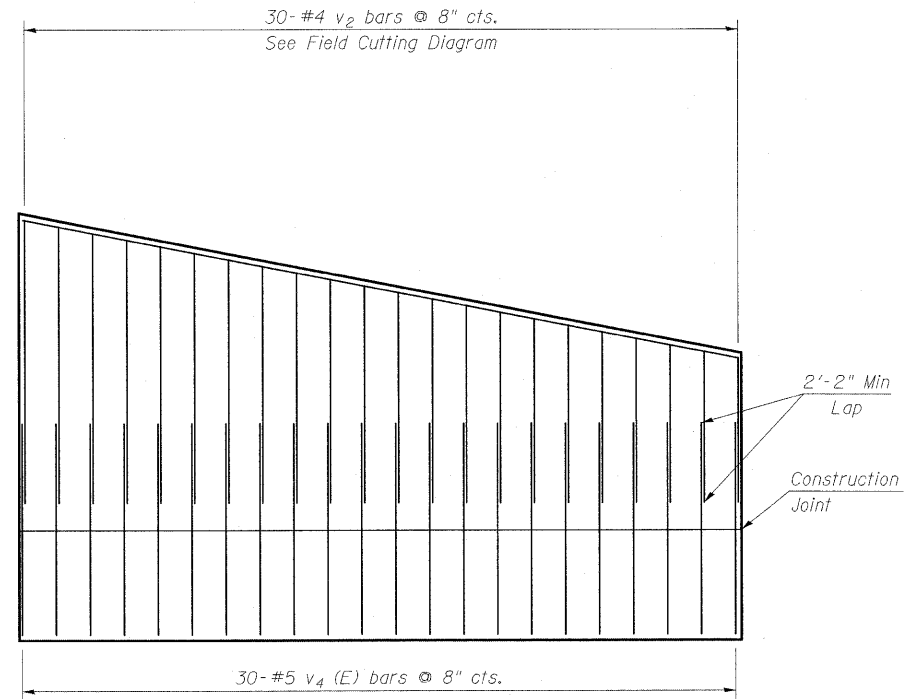
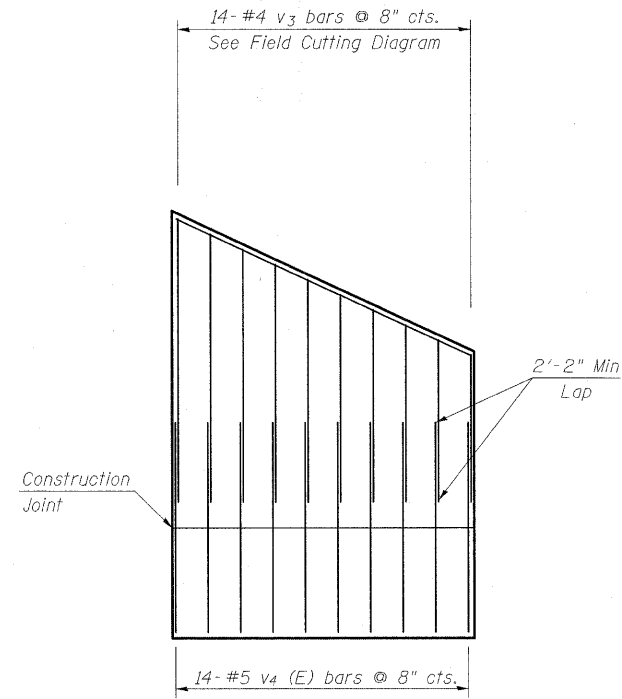


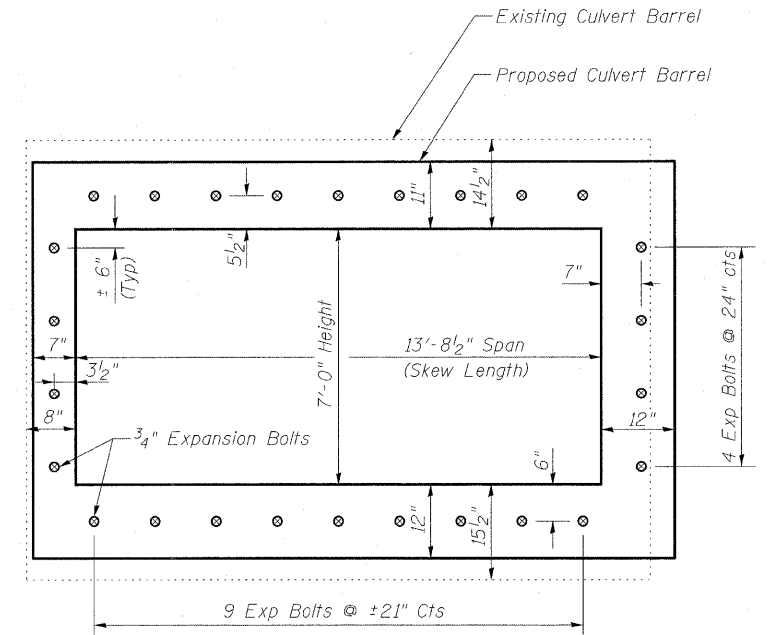
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



**LONG WING
SHOWING REINFORCEMENT**

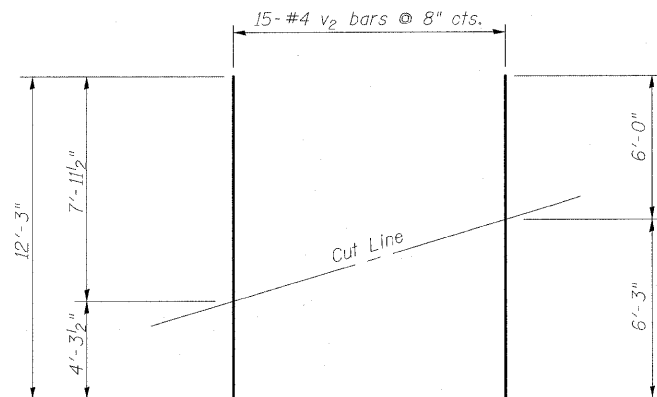


**SHORT WING
SHOWING REINFORCEMENT**

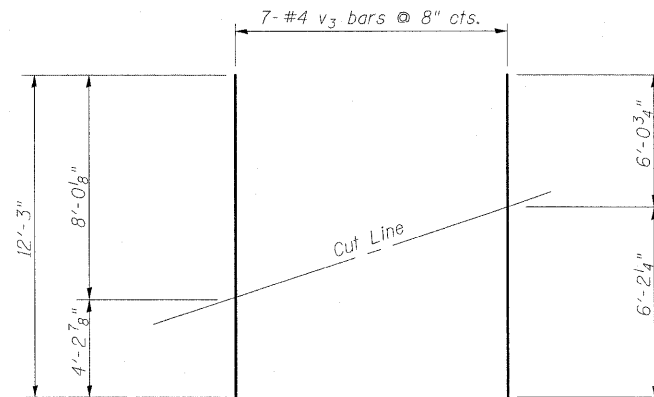


Notes
Expansion Bolts shall be 3/4" hooked bolts. Hooked bolts shall extend a minimum of 9" into the new concrete.

EXPANSION BOLT LAYOUT



FIELD CUTTING DIAGRAM
(v₂ bars)



FIELD CUTTING DIAGRAM
(v₃ bars)

DESIGNED -	ACS
CHECKED -	CJF
DRAWN -	RCB
CHECKED -	CJF

Revised Sheet 5/21/10 CJF

Order v₂ & v₃ bars full length. Cut as shown. Use remainder of bar in opposite end of Wing Wall.



**BERNARD
LOCHMUELLER &
ASSOCIATES, INC.**

3 Oak Drive
Merrville, IL 62962-6635
Local (618) 388-4665
Fax 618-288-4666

BOX CULVERT DETAILS
RT STA 2030+65.82
FAI ROUTE 70 WB (RDWY A)

SHEET NO. 3 OF 3 SHEETS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	57/70	(25-3)R	EFFINGHAM	1416	444
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT		
CONTRACT NO. 74296					