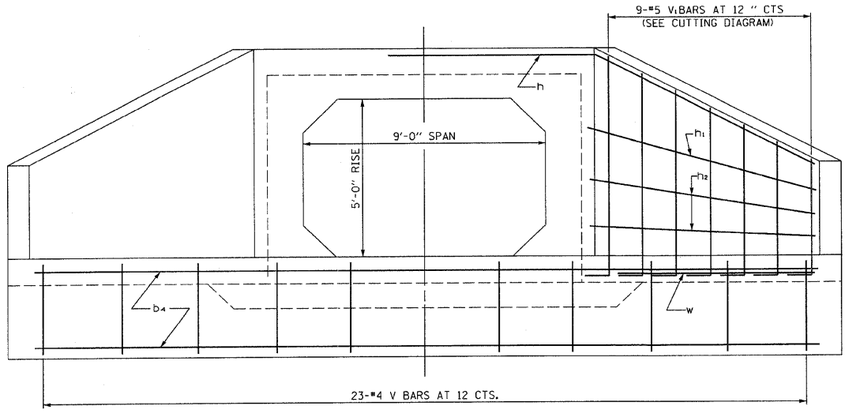
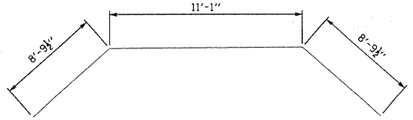
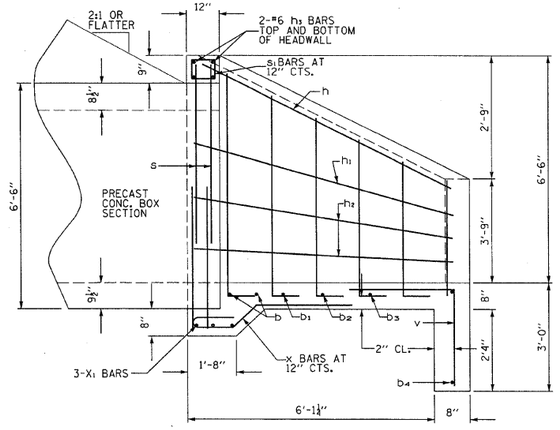
C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
13	08-00109-00-BR	WHITE	7	7
JOB # C-99-516-09		CONTRACT # 99344		
FED. ROAD DIST. NO. 9	ILLINOIS	LEC JOB # H08L019WH		



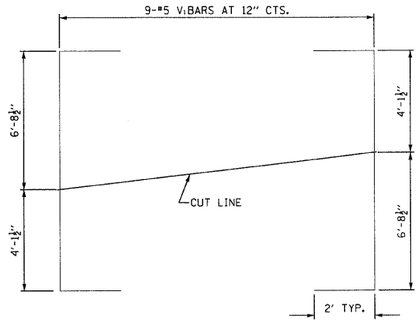
END ELEVATION



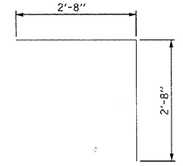
BAR h



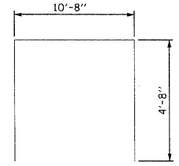
HALF SIDE ELEVATION



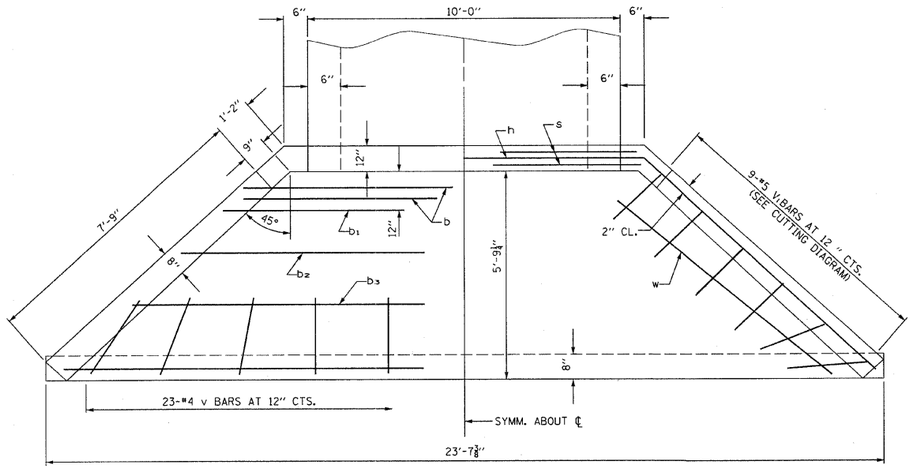
FIELD CUTTING DIAGRAM
BARS v1



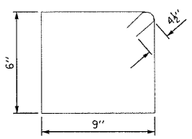
BAR v



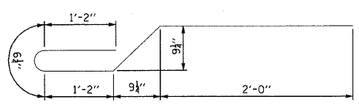
BAR s
(MIN. 20" BAR LAP)



PLAN



BAR s1



BAR x

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
b	2	#5	13'-2"	
b_1	1	#4	14'-6"	
b_2	1	#4	16'-6"	
b_3	1	#4	19'-8"	
b_4	2	#4	23'-3"	
h	1	#5	28'-8"	
h_1	2	#4	8'-7"	
h_2	4	#4	8'-5"	
h_3	4	#6	10'-5"	
s	4	#4	20'-0"	
s_1	11	#4	3'-3"	
v	24	#4	5'-4"	
v_1	9	#5	14'-10"	
w	2	#4	7'-8"	
x	11	#4	6'-0"	
x_1	3	#4	10'-5"	
Concrete Box Culverts			Cu. Yd.	7.6
Reinforcement Bars			Pound	600

TABLE FOR ONE (1) HEADWALL ONLY
BAR DIMENSIONS ARE OUT TO OUT

NOTES:

EXPOSED EDGES SHALL BE BEVELED ¾"

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31, M-42 OR M-53, GRADE 60.

OMIT BELL OR SPIGOT ON END PRECAST BOX CULVERT SECTION.

323 W. 3RD ST.
P.O. BOX 160
MT. CARMEL, IL
62863
PHONE:
(618)-262-8651
FAX:
(618)-263-3327

405 W. STATE ST
SUITE1
PRINCETON, IN
47670
PHONE:
(812)-386-7611
FAX:
(812)-385-2812

LAMC ENGINEERING CO.

PROFESSIONAL DESIGN FIRM
LAND SURVEY & PROFESSIONAL ENGINEERING CORPORATION
184-000887
(62-032435)(35-002769)

AARON M. MEFFORD
56284
REGISTERED PROFESSIONAL ENGINEER
OF
ILLINOIS

AARON M. MEFFORD
NAME
SIGNATURE
1-14-09
DATE
11-30-09
EXPIRES

COUNTY HIGHWAY 13
CULVERTS
WHITE COUNTY, ILLINOIS

SHEET TITLE:

SEC. 08-00109-00-BR
CAST-IN-PLACE
END SECTION

SCALE:	N.T.S.
BY:	A.M.M.
DATE:	110508
REV:	

7 OF 7 SHEETS

SHEET NO.
7