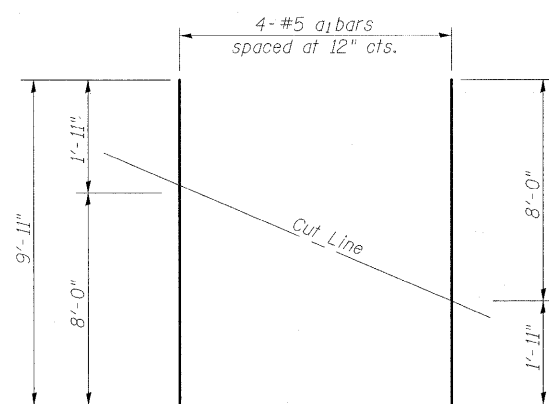
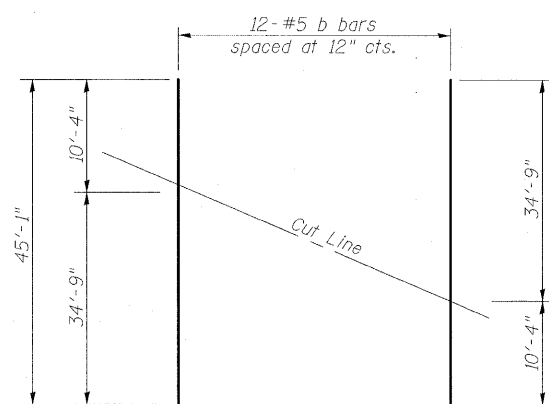


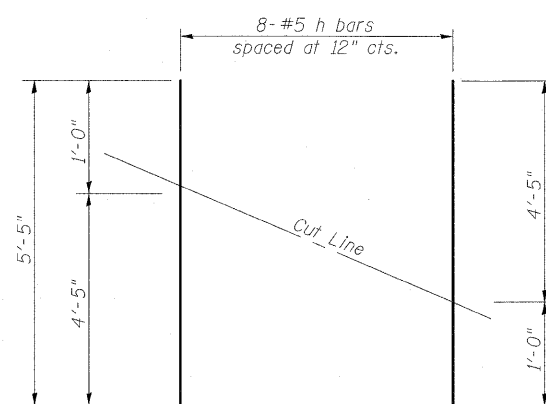
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



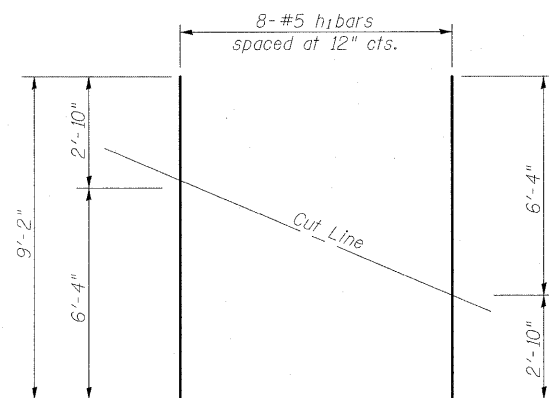
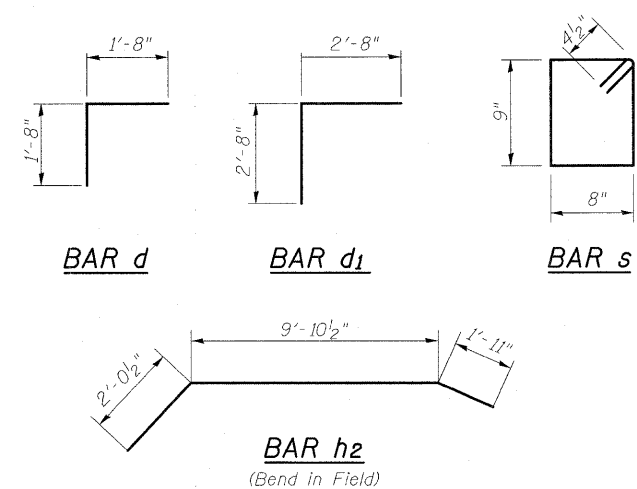
FIELD CUTTING DIAGRAM
(a₁ bars)



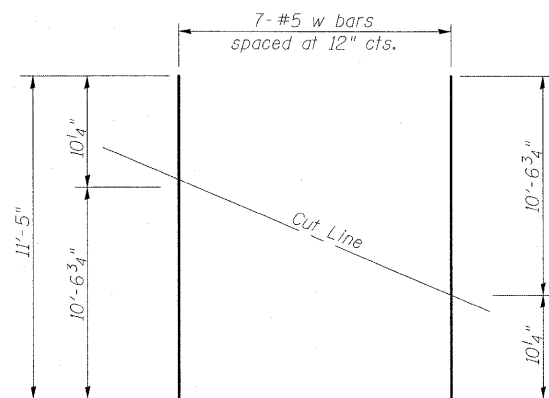
FIELD CUTTING DIAGRAM
(b bars)



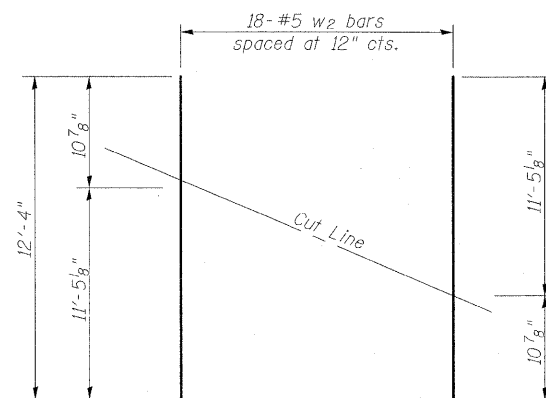
FIELD CUTTING DIAGRAM
(h bars)



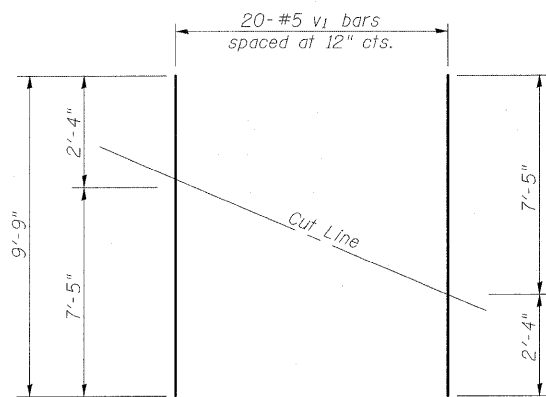
FIELD CUTTING DIAGRAM
(h₁ bars)



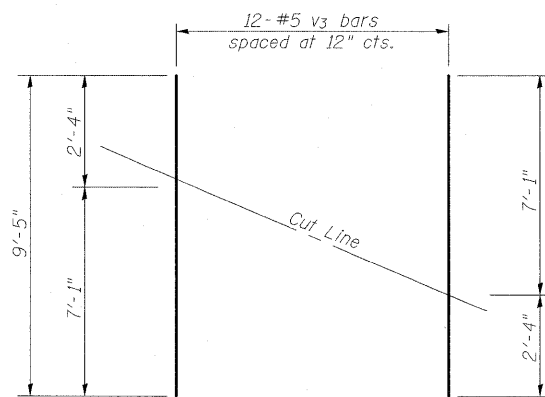
FIELD CUTTING DIAGRAM
(w bars)



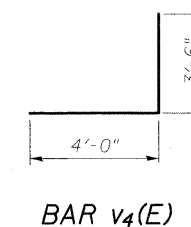
FIELD CUTTING DIAGRAM
(w₂ bars)



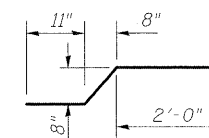
FIELD CUTTING DIAGRAM
(v₁ bars)



FIELD CUTTING DIAGRAM
(v₃ bars)



BAR v₄(E)



BAR z

**BILL OF MATERIAL
FOR INFORMATION ONLY**

Bar	No.	Size	Length	Shape
a	4	#5	8'-9"	—
a ₁	8	#5	9'-11"	—
b	12	#5	45'-1"	—
b ₁	3	#5	35'-8"	—
d	10	#5	3'-4"	┌
d ₁	36	#5	5'-4"	┌
h	8	#5	5'-5"	—
h ₁	8	#5	9'-2"	—
h ₂	4	#6	13'-10"	┌
h ₃	10	#5	4'-0"	—
h ₄	40	#4	1'-8"	—
h ₅	8	#4	19'-3"	—
h ₆	12	#4	19'-11"	—
h ₇	8	#4	11'-0"	—
h ₈	10	#4	12'-0"	—
s	10	#4	3'-7"	□
v	6	#5	8'-10"	—
v ₁	20	#5	9'-9"	—
v ₂	12	#5	7'-11"	—
v ₃	12	#5	9'-5"	—
v ₄ (E)	38	#5	7'-6"	┌
w	7	#5	11'-5"	—
w ₁	22	#5	11'-9"	—
w ₂	18	#5	12'-4"	—
z	8	#5	3'-10"	—
Class SI Concrete			Cu. Yd.	20.9
Reinforcement Bars, Epoxy Coated			Pound	300
Reinforcement Bars			Pound	2840

**PIPE CULVERT DETAILS
RT STA 2066+58.72
FAI ROUTE 70 WB (RDWY A)**

DESIGNED	BB
CHECKED	CJF
DRAWN	WJS
CHECKED	CJF

Order a₁, b, h, h₁, w, w₂, v₁ & v₃ bars full length. Cut as shown. Use remainder of bar in opposite face.



**BERNARDIN
LOCHMUELLER &
ASSOCIATES, INC.**

3 Oak Drive
Mareville, IL 62969-5635
Local (618) 288-4665
Fax 618-288-4666

SHEET NO. 3 OF 3 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	57/70	(25-3)R	EFFINGHAM	1416	452A
FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT	
			CONTRACT NO. 74296		