

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

(Back)
5-#5 h₃ bars at 7" cts. Short Wing
5-#6 h₇ bars at 7" cts. Long Wing

(Front)
11-#5 h₃ bars at 7" cts. Short Wing
11-#6 h₇ bars at 7" cts. Long Wing

Bend in Field, typ.

Long Wing
Short Wing

11-#6 h₆ bars at 7" cts.
11-#5 h₈ bars at 7" cts.

(Back)
(Back)

4-#4 v₁ bars
Ea. Wing
See Plan View

HALF LONG. SECTION
Showing bars in Center Wall

HALF ELEVATION
Showing bars in Outside Wall

Dimensions are at right angles to $\odot$ Roadway

HALF SECTION
THRU BARREL

HALF END ELEVATION

BARS h₃ & h₈

BARS h₆ & h₇

Notes:
A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
Bars indicated thus 12x4-#5 etc. indicates 12 lines of bars with 4 lengths per line.

AT UPSTREAM END

3/4" Δ Drip Notch

3" x 6" Formed Opening

AT DOWNSTREAM END

3/4" Δ Drip Notch
Full length of Span

3" x 6" Formed Opening

DRAIN DETAIL

TOP SLAB

BOTTOM SLAB

SHOWING OUTLINES

SHOWING REINFORCEMENT

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	112	#6	18'-7"	
a ₁	132	#6	9'-8"	
a ₂	54	#4	5'-10"	
d	34	#4	4'-6"	
h	42	#6	28'-3"	
h ₁	84	#4	27'-10"	
h ₂	36	#5	28'-1"	
h ₃	32	#5	8'-0"	
h ₄	10	#6	17'-2"	
h ₅	8	#6	18'-0"	
h ₆	22	#6	11'-8"	
h ₇	32	#6	8'-0"	
h ₈	22	#5	9'-4"	
s	26	#3	4'-7"	
s ₁	26	#3	4'-9"	
v	223	#4	6'-10"	
v ₁	16	#4	10'-3"	
Concrete Box Culverts			Cu. Yd.	84.0
Reinforcement Bars			Pound	12700

SECTION A-A

DESIGNED JKC

CHECKED JLS

DRAWN NV

CHECKED JKC

DB-H-L

MIN LAP

#4 bars 1'-4"

#5 bars 1'-8"

#6 bars 2'-0"

BAR d

BAR a

BAR s

BAR s₁

CULVERT DETAILS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
587	(22) I & I-1	LASALLE	31	16
SN 050-2051		CONTRACT NO. 66835		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

SHEET NO. 2

3 SHEETS

CHAMLIN ASSOCIATES

PERU ILLINOIS MORRIS

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a	112	#6	18'-7"	
a ₁	132	#6	9'-8"	
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