



Coarse aggregate full length of both headwalls. To be placed by Grading Contractor. Cost included with Concrete Box Culverts.

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a	66	#6	13'-4"	C
a <sub>3</sub>	22	#5	12'-0"	—
d	26	#4	4'-6"	L
d <sub>1</sub>	112	#4	1'-0"	—
h	120	#4	5'-9"	—
h <sub>1</sub>	28	#4	8'-0"	—
h <sub>2</sub>	32	#4	8'-6"	—
h <sub>3</sub>	10	#6	11'-2"	—
v	80	#4	3'-9"	—
v <sub>1</sub>	16	#4	7'-0"	—
Concrete Box Culverts			Cu. Yd.	12.5
Reinforcement Bars			Pound	2990

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.

REVISED -	USER NAME =	DESIGNED - PSS
REVISED -	FILE NAME =	CHECKED - VPT
REVISED -	PLOT SCALE =	DRAWN - AJF
REVISED -	PLOT DATE =	CHECKED - VPT



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS  
STRUCTURE NO. 032-2545

SHEET NO. 2 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(110)R, BR & BR-1	GRUNDY	644	316
CONTRACT NO. 66B83			ILLINOIS FED. AID PROJECT	