

BILL OF MATERIALS											
(For Information Only)											
BAR	NUMBER	SIZE	LENGTH		SHAPE						
a	38	#4		9'-5''							
d	36	#4	4'-6''								
d1	8	#4	4'-6''								
h	22	#4	18'-5''		—						
h1	9	#4	19'-0''		—						
h2	2	#4	17'-2''								
S	11	#4	3'-3''		Σ						
v	13	#4	5′-6″								
×	11	#4	2′-8″								
×1	3	#4	9'-5''								
×2	4	#4		9'-0''							
×3	4	#6	9′-5″								
*×4	12	#4	12'-0''								
DES	UNIT	QTY.									
Concrete B	CuYd	7.4									
Reinforceme	LBS	970									
3" I.D. Galv Steel Pipe				30	10'-0''						
	3 @	16'-6''									
1/2" Dia. Galv. Expansion Bolts				EACH	12						
3" Galv Pipe Caps				EACH	12						
1/4" Galv Steel Plate (9" Nominal)				EACH	6						
1/2"×4"×14" Galv Steel Plate				EACH	6						
5/8"x9" Galv Steel Bolts				EACH	9						
L 4 × 4 ×3	EACH	3									
5%″∮ Anchor Rods				EACH	6						
2½" × 2½" × 5‰" ₽ Washer				EACH	6						
¾″ ∅ X 6½″ A307 Bolt				EACH	3						

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* Only required with precast end section. Weight not included in Reinforcement Bars quantity.

GENERAL NOTES:

This work shall be paid for at the contract unit price per Each for Box Culvert End Section No. 9.

This work shall be done in according to the applicable portions of sections 503, 508, AND 540 of the Standard Specifications.

Contractor shall field verify Galvanized pipe lengths.

Exposed edges shall be beveled $\frac{3}{4}$ ".

The contract unit price "EACH" for Box Culvert End Section No. 9 shall include the Bolts, Galvanized pipe, Nuts, Washers, Anchor Rods, and pipe caps. Steel Plates, Reinforcement Bars, and Concrete Box Culverts.

The Contractor has the option of using Precast construction for the end section, if so the concrete collar will also be included in the cost of Box Culvert End Section No.9

Contractor shall provide galvanizing for holes, threads, etc. for field-

The cost of earth excavation, where required, and necessary grading to fit the inlet as shown in the cross-sections or to the slope is included in the cost of Box Culvert End Section No.9

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr. 60 (IL Modified). See Special Provisions.

Steel plates shall conform to AASHTO M-270 Grade 36 and shall be gavanized conforming to AASHTO M-111.

Bolts, Nuts, Washers, and Anchor Rods shall be in accordance with article 505 of the Standard Specifications and shall be galvanized.

See Plan and Profile Sheet for more information.

See Cross Section Sheet for more information.

		F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.					
)N	CULVERT I	VU. 9	742	37R-4	OGLE	867	186				
1997 1 1 1 1			CONTRACT NO.			T NO. 6	54E17				
STA.	A. TO STA.			AD DIST. NO. ILLINOIS FED.	AID PROJECT						