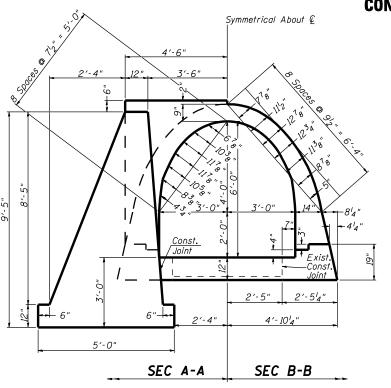
ROUTE NO.	SECTION	COUNTY		TOTAL SHEETS	SHEET NO.
F.A.U. 8239	RS,R	MONTGOMERY		302	163
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		

SHEET NO.1 2 SHEETS

CONTRACT NO. 72526



SECTION VIEW

TOTAL BILL OF MATERIAL

	Bar	No.	Size	Length	Shape
	<i>a₁₀</i>	2	#6	15′-0"	C
	a ₁₁	2	#6	16′-1"	>
	0 ₁₂	4	#6	9'-2"	
	<i>b</i> 10	12	#4	6′-3"	
	h ₁₀	62	#4	1'-9"	
	h ₁₁	16	#4	8′-7"	
	h ₁₂	16	#4	8′-5"	
	h ₁₃	4	#4	9'-9"	
	h ₁₄	2	#6	8′-8"	
	h ₁₅	12	#4	2'-5"	
	h ₁₆	6	#4	8′-10"	
	† ₁₀	10	#4	7′-4"	
	V ₁₀	4	#6	3'-2"	
	V 11	20	#4	10′-11"	
	V 12	8	#4	10'-11" 6'-3" 2'-0"	
	V 13	10	#4	2'-0"	
	V 14	6	#4	5′-4"	
	W ₁₀	12	#4	8′-10"	
		L			
		ITEM		UNIT	TOTAL
*	Headwall			EACH	1
	Concrete	Box Culver	CU YD	16.0	
	Reinforce	ment Bars	POUND	920	
	Expansion	n Bolts 3 ₄	EACH	20	

* Approximately 16.0 Cu. Yd. and will include removal of 1'-0" beyond headwall.

GENERAL NOTES

Reinforcement Bars shall conform to the requirements of AASHTO M31 or M322, Grade 60.

Exposed edges shall have a $\frac{3}{4}$ " chamfer unless otherwise noted.

For backfilling and embankment see Standard Specifications.

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Expansion bolts shall be $^3\!_4$ " diameter hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete.

Proposed arch culvert extension and proposed headwall shall be poured monolithically.

CULVERT DETAILS
F.A.U. ROUTE 8239
(OLD U.S. ROUTE 66)
SECTION RS.R
MONTGOMERY COUNTY
STATION 779+10.00 RT

HUTCHISON ENGINEERING, INC. JACKSONVILLE, ILLINOIS

Date: 2/8/2006

2280-1/2280-1D09

DESIGNED

CHECKED

DRAWN

ЈОН

TC

in Place Removal and Replacement 9'-0" 8'-9" Solution Filler 12" Preformed Joint Filler 12" 12" 12" 12"

2" Arch Culvert Removal and Replacement

Headwall and Wingwall

To Remain

ELEVATION VIEW

12" Arch Culvert

Removal and Replacement

PLAN VIEW

To Remain
in Place

Removal and Wingwall
Removal and Replacement

9'-0"

Symmetrical About &

Symmetrical About &