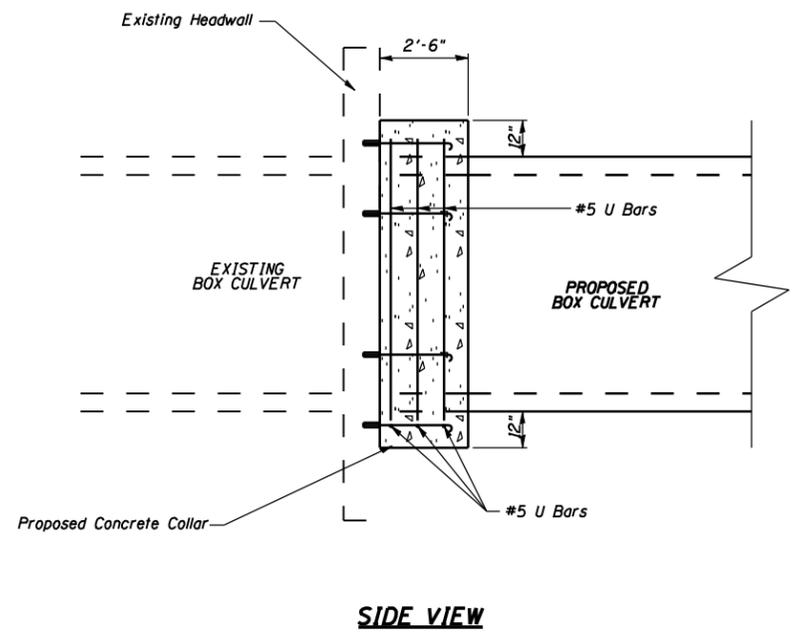
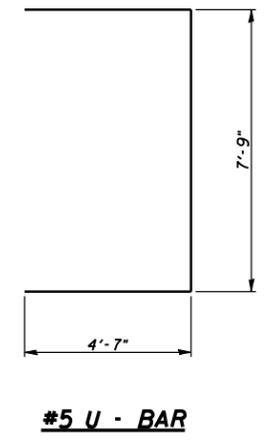
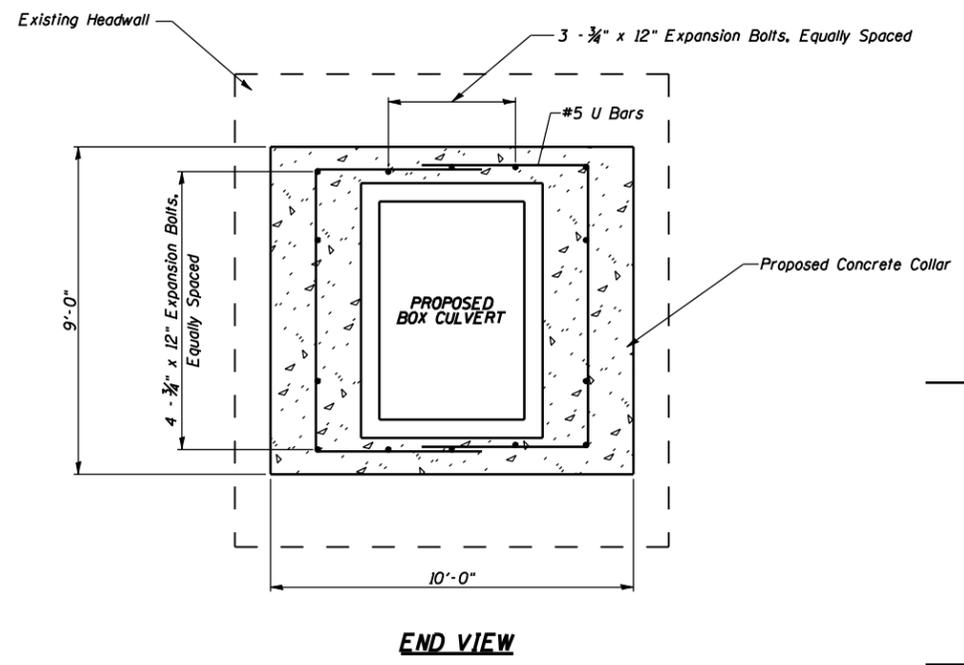
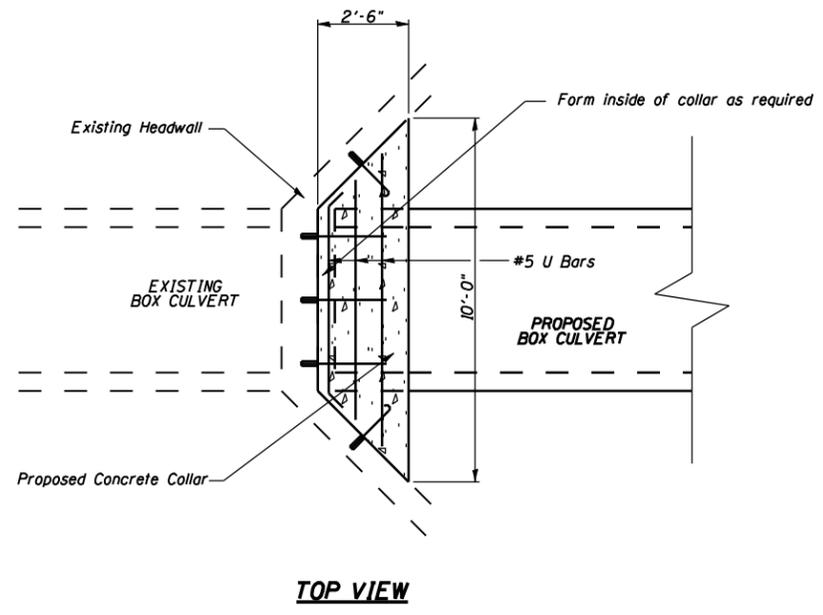


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	34-4	HANCOCK	452	244
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
D-96-551-02				

CONTRACT NO. 72680



BILL OF MATERIAL ONE COLLAR

Concrete Collar	Cu. Yd.	6.3
Reinforcement Bars	Lbs.	106
Expansion Bolts 3/4" x 12"	Each	14

NOTES

Form inside of collar from existing end section to proposed box culvert extension as required.

Expansions bolts shall consist of self drilling expansion shields and 3/4" dia. hooked bolts. Hooked bolts shall extend a minimum of 12" into new concrete. Bolts shall be drilled in the center of the existing box culvert barrel walls. Minimum certified proof = 4160 lbf.

It shall be the responsibility of the contractor to verify dimensions and details in the field and make necessary approved adjustments prior to construction and ordering of materials for the concrete collars and culvert extensions shown.

**CONCRETE COLLAR
DETAILS FOR
4' X 6' BOX CULVERT EXTENSION
FAP RTE 315
STATION 1163+35**

HUTCHISON ENGINEERING, INC.
JACKSONVILLE, ILLINOIS
Date: January 31, 2006