

LOT DATE = 12/9/2009

DATE

REVISED

## <u>General Notes</u>

Build tops of headwalls parallel to the grade lines.

All construction joints shall be bonded according to Article 503.09 of the Standard Specifications.

Reinforcement bars shall conform to the requirements of ASTM A706 Gr. (IL Modified). See Special Provisions.

When lapping sheets of welded wire fabric, the overlap measured between the outermost cross wires of each fabric sheet shall not be less than 8"

End Sections will be paid for at the contract unit price per each for BOX CULVERT END SECTIONS, as outlined in Section 540 of the Standard Specifications.

Class SI Concrete shall be used throughout.

Concrete, Rebar, and Welded Wire Fabric quantities and lengths calculated for the cast-in-place End Sections may vary based on the precast box culverts supplied.

Drain holes shall be provided in accordance with Article 503.11 of the Standard Specifications.

The design reinforcement areas shall conform to those found in Table 1 of the AASHTO M273 specification for a 10' x 5' box section

The ends of the precast box sections adjacent to the end section shall be formed without the male and female shapes specified in Article 8.1 of AASHTO M273. See Section D-D on sheet 2 of 2.

The design fill height for this box is less than 2 feet. The Precast Concrete Box Culvert Sections shall conform to the requirements of AASHTO M 273.

The joints between precast box sections shall be sealed, all voids filled with a mastic joint sealer. In addition, the joints shall be externally sealed on all four sides with a 13 inch wide external sealing band. The seal shall be centered over the joint, secured in place and protected during the backfilling process.

 Six inches of bedding beneath the box culvert are included in the cost of the Box Culvert.
The additional 12 inches of undercut is paid for seperately as STONE RIPRAP, CLASS A-1 (TON) (1.8 TONS/CU.YD.), which price shall include the removal and disposal of unsuitable material.

All dimensions are in FEET (') - INCHES (") unless otherwise noted. Drawings not to scale.

SCALE:

SHEET NO. OF SHEETS

## TOTAL BILL OF MATERIAL

Item	Unit	Total	
Box Culvert Removal	Each	1	
Precast Concrete Box Culverts 10'x3'	Foot	84	
Box Culvert End Section, Culvert No. 3	Each	2	
Name Plates	Each	1	
Permanent Benchmark	Each	1	
Stone Riprap Class A1	Tons	102.9	
Porous Granular Embankment	CuYd	110.2	
Structure Excavation	CuYd	197.9	

## GENERAL PLAN AND ELEVATION DOUBLE 10'x3' PRECAST BOX CULVERT F.A.P. ROUTE 315 - SECTION (101, 102X)R,RS-2 MCLEAN COUNTY, STATION 354+72.83 CULVERT NO. 8 SN 057-2044(P)

D ELEVATION S.N. 057–2044		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		315	*	MCLEAN	115	56	
		*(101,102X,RS-2 & 55RS-PRK LN		CONTRACT NO. 70507			
	STA.	TO STA.		ILLINOIS FED. AI	ID PROJECT		