

General Notes

End sections will be paid for at the contract unit price per each for BOX CULVERT END SECTION, CULVERT NO. 1, as outlined in Section 540 of the Standard Specifications.

Reinforcement bars shall conform to the requirements of ASTM A706 Gr. 60. The Porous Granular Materail CA-7 6", required per article 540.06 of the standard specifications shall also extend beneath the Box Culvert End Sections and shall be considered included in the cost of Precast Concrete Box Culverts and Box Culvert End Sections.

Class SI concrete shall be used throughout.

Drain holes shall be provided in accordance with Article 503.11 of the Standard Specifications. One drain hole on exterior culvert walls shall be provided for each precast box culvert section.

If the Contractor elects to use a precast cut-off wall, shop drawings and a proposed construction sequence shall be submitted to the Engineer for approval.

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, and 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.

ALL DIMENSIONS ARE IN FEET (') - INCHES (") UNLESS OTHERWISE NOTED.

ROADWAY DIMENSIONS MEASURED PERPENDICULAR TO ROADWAY. BOX CULVERT DIMENSIONS MEASURED ALONG 10 RT. FORWARD SKEW.

DRAWINGS ARE NOT TO SCALE.

The design of the box section shall be in accordance with M273 Table 1 for an 8x4 box except As1 shall extend into the top slab a dimension equal to 24" + 2 longitudinal wire spacings.

BILL OF MATERIAL

Unit	Total
Each	1.0
Foot	40.0
Each	2.0
Each	1.0
Cu Yd	140.0
Tons	55.0
	Each Foot Each Each Cu Yd

GENERAL PLAN AND ELEVATION SINGLE 8' x 2' PRECAST BOX CULVERT F.A.S. ROUTE 1514 - SECTION 4CR **CHAMPAIGN COUNTY** STATION 338+61.00. S.N. 010-8135

ELEVATION	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1514	4CR	CHAMPAIGN	29	14
			CONTRACT	NO. 7	0701
STA. TO STA.	ILLINOIS FED. AID PROJECT				