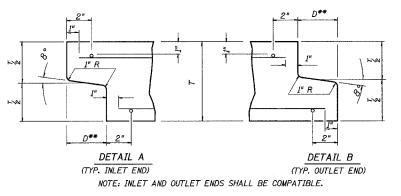
DETAIL OF PRECAST CONCRETE BOX CULVERT M273

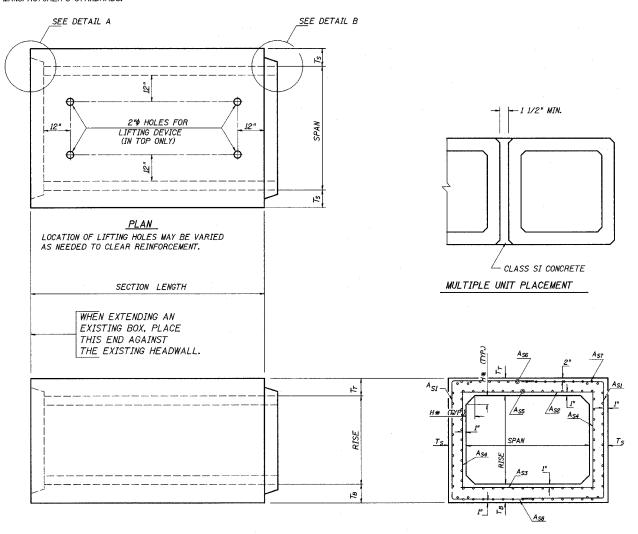
(WITH LESS THAN 2 FEET OF COVER) AASHO DESIGNATION M273 (ASTM DESIGNATION C-850) DESIGN LOADING = HS20-44

CULVERT

DIMENSIONS



** THE D DIMENSION SHALL CONFORM TO THE MANUFACTURER'S STANDARDS.



DECATUR, ILLINOIS

ELEVATION

CROSS SECTION * THE HAUNCH DIMENSION, H, IS EQUAL TO THE WALL THICKNESS, Ts .

GENERAL NOTES

SHOP PLANS FOR THE REINFORCEMENT SHALL BE SUBMITTED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 504.04(a) OF THE STANDARD SPECIFICATIONS.

MINIMUM CONCRETE STRENGTH SHALL BE 5000 PSI AFTER

THE JOINTS OF THE PRECAST BOX SECTIONS SHALL BE SEALED IN ACCORDANCE WITH ARTICLE 542.04(d) OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

THE TERMS ASI ASI ETC. DENOTE THE REQUIRED STEEL AREAS FOR REINFORCEMENT AS SPECIFIED IN ASSHTO M273.

REINFORCEMENT SHALL BE WELDED WIRE FABRIC CONFORMING TO ASSHTO M55. LONGITUDINAL DISTRIBUTION REINFORCEMENT MAY CONSIST OF WELDED WIRE FABRIC OR DEFORMED BARS CONFORMING TO ASSHTO M31, M42, OR M53, GRADE 60.

LIFTING HOLES SHALL BE FILLED WITH CONCRETE PLUGS AND MASTIC AFTER THE BOX SECTIONS ARE IN PLACE.

DRAINAGE OPENINGS SHALL BE PROVIDED IN ACCORDANCE WITH ARTICLE 503.12 OF THE STANDARD SPECIFICATIONS. LOCATION AND SPACING OF THE OPENINGS SHALL BE SHOWN ON THE SHOP DRAWINGS.

THE P.C.C. PAVEMENT PATCH REINFORCED WITH PAVEMENT FABRIC (STANDARD 420701) WILL BE CONSTRUCTED OVER THE CULVERT. THE PATCH SHALL BE FULL PAVEMENT WIDTH, AND THE LENGTH SHALL EXTEND 24" BEYOND EACH SIDE OF

REVISIO NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PRECAST CONCRETE BOX CULVERT DETAILS SHEET 1 OF 3

DATE REVISED: 05/28/99

CHECKED BY BWC

DRAWN BY DIST. 7

COUNTY

FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT

* 107WRS-1, 107BY, 107BY-1 & 107B-2 CONTRACT NO. 94827

EFFINGHAM 273 109

SECTION