

SECTION B-B

CONTRACT NO. 60C19

338 114 BY-R-1 WILL 139 ILLINOIS

All cast iron parts shall be gray iron conforming to the requirements of AASHTO M 105, Class 35B.

Bolts, anchor studs, washers and nuts shall conform to the requirements of ASTM A 307 and shall be galvanized according

Downspouts located on the exterior side of a painted steel fascia beam shall be painted with the finish coat specified for

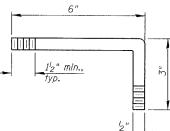
As an alternate, bolts, anchor studs, washers and nuts may be stainless steel according to Article 1006.29(d) of the Standard

Structural steel weldments of equal sections and of the same configuration may be substituted for the cast iron scupper frame. Fillet or full penetration welds shall be used for the weldments. Details shall be submitted to the Engineer for approval. Structural steel weldments shall not be substituted for the cast iron scupper grate. Structural steel frames and downspouts shall be galvanized according to AASHTO M111.

The Contractor shall take appropriate measures to assure that

Cost of the Grate, Frame, Downspout, Anchor Studs, Bolts, Washers and Nuts including complete installation of the scupper shall be paid for at the contract unit price each for Drainage

Alternate fiberglass downspout conforming to ASTM D 2996 with a short-time rupture strength hoop tensile stress of 30,000 psi min. may be used in lieu of the cast iron or steel



ANCHOR STUD DETAIL

## BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Drainage Scupper, DS-11	Each	10

DWG. S-17 of 34

ILLINOIS DEPARTMENT OF TRANSPORTATION DRAINAGE SCUPPER DETAILS ILLINOIS ROUTE 59 OVER DUPAGE RIVER FAP ROUTE 338 SECTION 114 BY-R-1 WILL COUNTY STATION 3209+85,00 STRUCTURE NUMBER 099-0339 DESIGNED BY: SB DRAWN BY: TL CHECKED BY: WPM CHECKED BY: SB SCALE: NONE

**DOWNSPOUT** 

KNIGHT Engineers & Architects

**DS-11** 11-1-06

location relative to parapet.