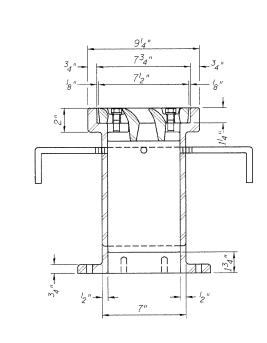


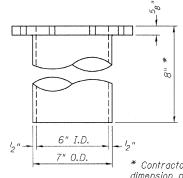
SECTION A-A

See sheet of for scupper location relative to parapet.



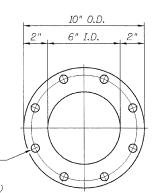
SECTION B-B

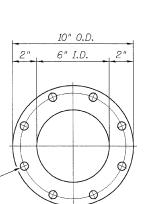
Drill and tap 8 holes for $^{l}_{2}$ "-13 bolts on an 8^{3}_{4} " ϕ bolt circle. (2 blind holes are $1_4''$ deep, 6 thru holes)



dimension prior to ordering materials.

DOWNSPOUT





ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 57 (INTERSTATE 57) 112TH PLACE BRIDGE DECK REPLACEMENT 112th PLACE OVER I-57 SN 016-0988 STA. 546+15.56 COOK COUNTY

DRAINAGE SCUPPER DS-12

DATE: 01/16/09

CHECKED BY: JLR TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS 205 N. MICHIGAN AVE., CHICAGO, IL 60601

VIEW C-C

SHT. S-010

TENG

DS-12

10-1-08

2'-1916"

equivalent.

* Contractor to field verify

Notes:

to AASHTO M 232.

Specifications.

Scupper, DS-12.

BOLT HOLE DETAIL

SECTION

1920.1B-R

57

STA.

All cast iron parts shall be gray iron conforming to the

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

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

approval. Structural steel weldments shall not be substituted for the cast iron scupper grate. Structural steel frames and

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

weldments. Details shall be submitted to the Engineer for

downspouts shall be galvanized according to AASHTO M111. The Contractor shall take appropriate measures to assure that

Protective Coat is not applied to the scupper.

As an alternate, bolts, anchor studs, washers and nuts may be

requirements of AASHTO M 105, Class 35B.

the exterior side of the fascia beam.

CONTRACT NO. 62533

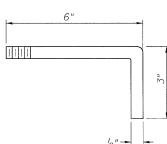
COUNTY

COOK

TO STA.

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

101



BILL OF MATERIAL

UNIT QUANTITY Drainage Scupper, DS-12