10" O.D. 1'-8'16" 2" 6" I.D. 's" R typ. Ô Ø B◀₁ /이법 -00 Â. σ 町 (育) BOLT HOLE DETAIL Ø Ó Drill and tap l_2^{*} -13x ${}^{3}_{4}$ " DP. for l_2^{*} ϕ Anchor Studs Drill and tap scupper for 4_ ¹2" ¢ stainless steel hexagon 8 locations B◀I head bolts with lock washers 10" O.D. 2" 6" I.D. PLAN Ð 6" I.D. 12" 7" O.D. Drill and tap 8 holes for $[l_2"-13 \text{ bolts on an } 8^3_4" \phi$ bolt circle. (2 blind holes DOWNSPOUT are l_4^{I} deep, 6 thru holes) Ø. Ð VIEW C-C 2'-0" 1' 11'8" 1'- 10 % ⁹32" \2001\1201-1300\2001.1240\Drafting\RoadwayRehab_AT\RampT\drai\T-DRAI01.dgn 91 1'-8'16" 14" 14" 734" 1'-55g' 3,"-7'2' 7₁₆ " R -212 " 1 + 1ĸш N 0 0 2 11 ü 24 1. \bigcap ¥. n Øø No DA ØØ T С С 6" m,a 2 4 4 1'-3⁹16" 10" 2'-1916' SECTION A-A <u>SECTION B-B</u> See Sht. S19 for scupper location relative to parapet. DESIGNED FILENAME: P-/2 DESIGNED DRAWN CHECKED CHECKED DESIGNED IDOT CSD CLK JPD

 ROUTE NO.	SECTION	COUNTY		TOTAL SHEETS	SHEET NO.
F.A.I. 70	*	ST.C	LAIR	99	97
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT- 1M-70		
* 82-3HV	3-3R-5		SHEE	T S-20	0F S-22

CONTRACT NO. 76985





ANCHOR STUD DETAIL



Notes: 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 to AASHTO M 232.

The grafe, frame and downspout shall be galvanized according to AASHTO M 111 and ASTM A 385. Downspouts located on the exterior side of a painted steel fascia beam shall be painted with the finish coat specified for the exterior side of the fascia beam. As an alternale, bolts, anchor studs, washers and nuts may be stainless steel according to Article 1006.29(d) of the Standard Specifications,

Structural steel weldments of equal sections and of the same configuration may be substituted for cast iron. Fillet or full penetration welds shall be used for the weldments. Details shall be submitted to the Engineer for approval.

The Contractor shall take appropriate measures to assure that Protective Coat is not applied to the scupper.

Cost of the Grate, Frame, Downspout, Anchor Studs, Bolts, Washers and Nuts including complete installation of the scupper shall be paid for al the contract unit price each for Drainage Scupper, DS-12.

		DRAINAGE SCUPPER - DS-12			
REVISIONS		STATE OF ILLINOIS			
NAME	DATE	DEPARIMENT OF TRANSPORTATION REHABILITATION AND RETROFIT REPAIRS			
		FAI ROUTE 70			
		POPLAR STREET BRIDGE APPROACHES			
		ST. CLAIR COUNTY			
		STRUCTURE NO. 082-0146 (Romp T)			
		SCALE: N.T.S.			
		DATE: 02/01/2007			