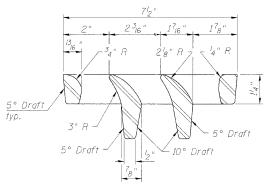
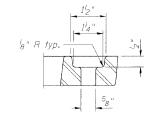


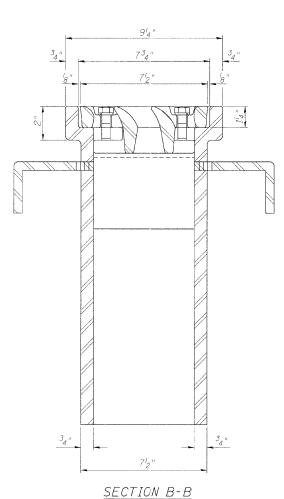
## STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



VANE GRATE DETAIL



BOLT HOLE DETAIL



<u>SECTION A-A</u>

See Sheet No. 14 for scupper location relative to the Parapet and Median Barrier

71/2"

| DESIGNED | AMK |
|----------|-----|
| CHECKED  | СММ |
| DRAWN    | 0S  |
| CHECKED  | RWC |

LOCHNER

H.W. LOCHNER, INC., CHICAGO, ILLINOIS

9<sup>5</sup>8"

| ROUTE NO.     | SECTION  | COUNTY   |            | TOTAL<br>SHEETS | SHEET<br>NO. | SHEET NO. $1$ | 7 |
|---------------|----------|----------|------------|-----------------|--------------|---------------|---|
| F.A.P.<br>308 | *        | ROCK I   | SLAND      | 210             | 132          | 32 ѕнеетѕ     |   |
| FKU. ROAD DIS | T. NO. 7 | ILLINDIS | FED. AID P | ROJECT-         |              |               |   |

Contract #64814 \* 1(HB,HB-1,VB,HB-2)R

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

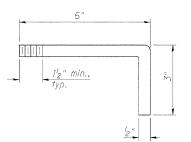
Bolts, anchor studs, washers and nuts shall conform to the requirements of ASTM A 307 and shall be galvanized according to AASHTO M 232.

As an alternate, 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 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 shall be galvanized according to AASHTO M111.

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

Cost of the Grate, Frame, Anchor Studs, Bolts, Washers and Nuts including complete installation of the scupper shall be paid for at the contract unit price each for Drainage Scupper, DS-11. Work this sheet with Sheet No. 18



ANCHOR STUD DETAIL

## BILL OF MATERIAL

| Item                    | Unit | Total |
|-------------------------|------|-------|
| Drainage Scupper, DS-11 | Each | 6     |

DRAINAGE SCUPPER, DS-11
IL ROUTE 92 (CENTENNIAL EXPRESSWAY)
OVER IAIS RAILROAD
FAP ROUTE 308 SEC. 1(VB)R
ROCK ISLAND COUNTY
STATION 1507+04.10
STRUCTURE NO. 081-0064