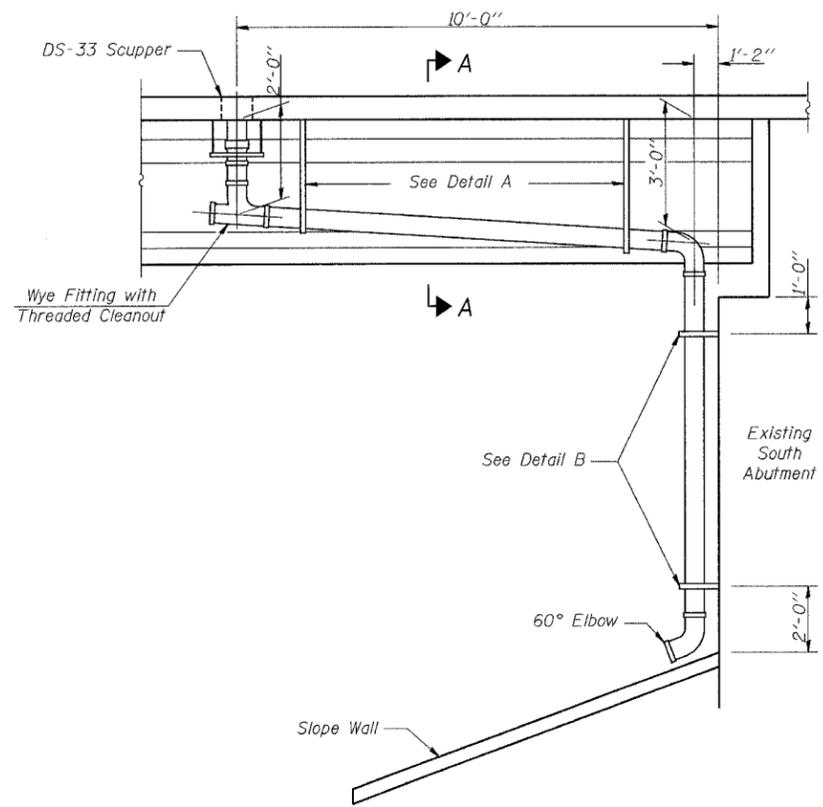
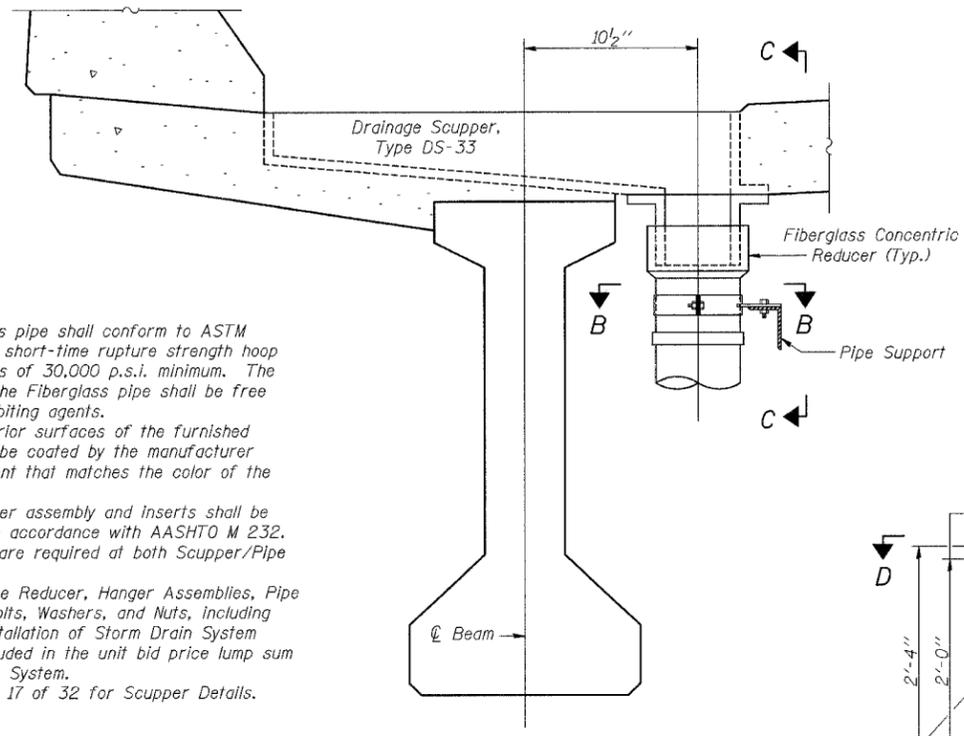


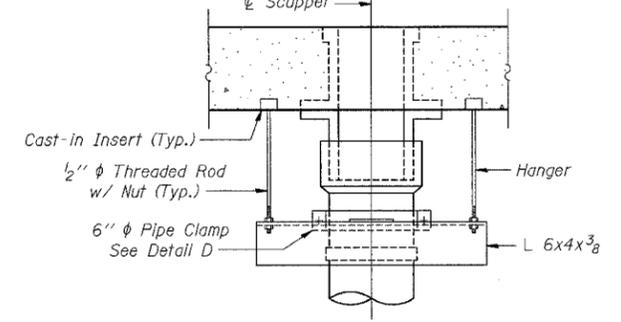
Contract #62531
ISTHA Contract #RR-02-5129
ISTHA Bridge No. 1101
Ø Scupper



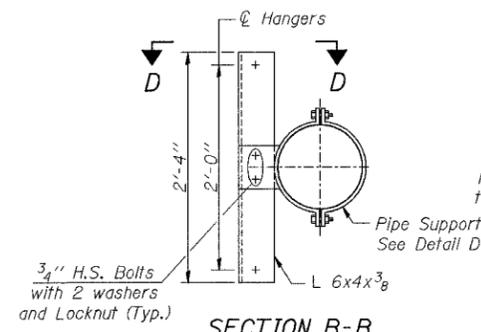
ELEVATION
Interior of Beam #12 shown -
Beam #1 similar but mirrored



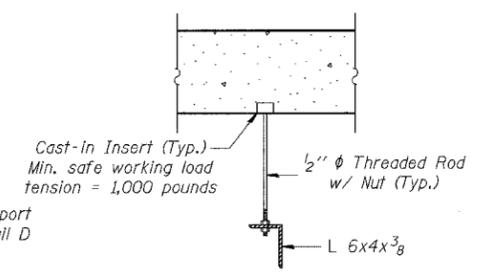
SECTION A-A
Beam #12 looking South -
Beam #1 similar but mirrored



SECTION C-C



SECTION B-B



SECTION D-D

NOTES

Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum. The surface of the Fiberglass pipe shall be free of bond inhibiting agents.

The exterior surfaces of the furnished drains shall be coated by the manufacturer with a pigment that matches the color of the concrete.

The hanger assembly and inserts shall be galvanized in accordance with AASHTO M 232.

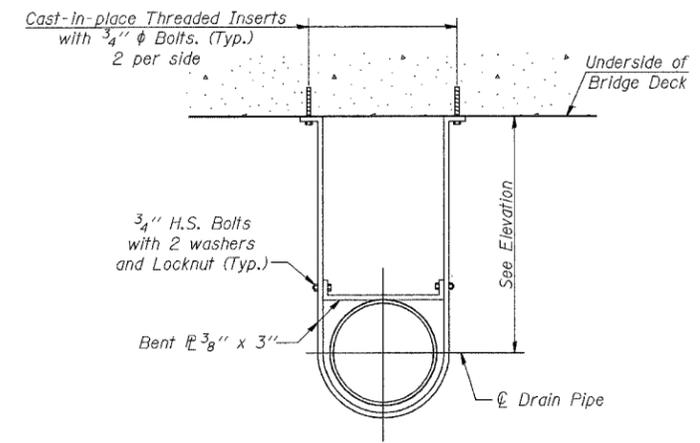
Reducers are required at both Scupper/Pipe connections.

Cost of the Reducer, Hanger Assemblies, Pipe Supports, Bolts, Washers, and Nuts, including complete installation of Storm Drain System shall be included in the unit bid price lump sum for Drainage System.

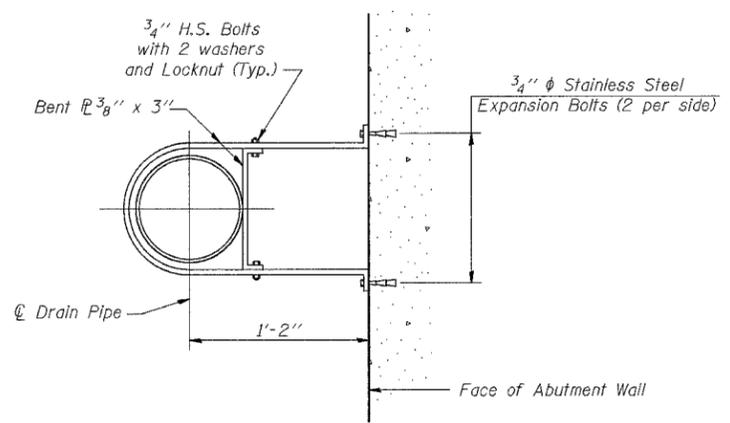
See Sheet 17 of 32 for Scupper Details.

BILL OF MATERIAL

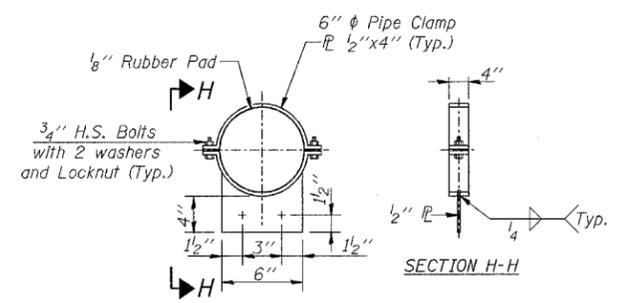
Item	Unit	Total
Drainage System	L. Sum	1



DETAIL A
Connection under bridge deck



DETAIL B
Connection at Abutment



DETAIL D
Pipe Support

<p>Excellence through Ownership</p> <p>200 West Front Street Wheaton, IL 60187</p>	ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAINAGE SYSTEM DETAILS
	IL RTE. 47 OVER I-88 (E-W TOLLWAY) KANE COUNTY
	STRUCTURE NO. 045-0082
	DRAWN BY BLB
	CHECKED BY WJV
	DATE: 2-01-2006