

ITEM 576.0321 11 - CLEANING SCUPPERS

DESCRIPTION

This work shall consist of cleaning clogged scuppers and testing the cleaned scuppers. The work shall be accomplished at the locations indicated in the Table of Locations for Drainage System Cleaning or where directed by the Engineer. Removing and reinstalling grates, supports and attached downspout elements up to 1.5 m long shall be included as part of this work, if such work is necessary to clean the scupper.

MATERIALS

Not Specified. All equipment shall be approved by the Engineer prior to actual use.

CONSTRUCTION DETAILS

Cleaning: The existing scupper including the area within 1.5 m of the scupper body and up to 1.5 m of downspout leading from the scupper body shall be cleaned by hand, high pressure water, vacuum, mechanical rodder or other techniques satisfactory to the Engineer. The length of connecting downspout to be cleaned under this item shall be determined by lesser of the following criteria:

- A) The first 1.5 m of attached pipe measured from the bottom of the scupper body.
- B) The length of pipe from the bottom of the scupper body through and to the end of the first bend (i.e. elbow, "Tee" or "Wye" connection).
- C) The length of pipe from the bottom of the scupper body to the outfall.

In addition, all associated grates, overflows or hoppers within the cleaning limits shall be cleaned as part of this work.

Chemical cleaning agents shall not be used during the cleaning or flushing operations, unless permission has been granted by the Regional Director for their use. All damage to the scupper, downspout, grate or any of their elements that occurs during cleaning operations shall be repaired by the Contractor to the satisfaction of the Engineer at no additional cost to the State. Debris from the cleaning operations shall not be deposited in or around the structure, highway, roadway slopes, drainage systems or streams. It shall be disposed of in an environmentally safe manner satisfactory to the Engineer.

Testing: The Contractor shall submit a test method to determine the flow characteristics of the cleaned system to the Engineer for approval prior to the commencement of cleaning operations. Acceptable methods are, but are not limited to, water testing, dye testing, or video inspection. Immediately after cleaning has been completed, the Contractor shall, in the presence of the Engineer, perform the approved test at the location(s) designated by the Engineer. If, in the Engineer's opinion, the flow is impeded, the Engineer shall determine whether recleaning the scupper within the prescribed limits is required or direct the Contractor to clean the remaining portion of the system. Recleaning, if required shall be at no additional cost to the State.

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Cleaning the remaining portion of the system shall be performed and payment made under the appropriate item for cleaning downspouts or cleaning troughs as applicable.

Weather limitations: Cleaning or testing operations requiring the use of water shall not be conducted when the air temperature is below 0°C without prior approval of the Engineer

METHOD OF MEASUREMENT

The quantity to be measured will be each scupper cleaned as identified by the Table of Locations for Drainage System Cleaning or where directed by the Engineer.

BASIS OF PAYMENT

The unit price bid for cleaning each scupper shall include the cost of furnishing all labor, materials, removal of debris and equipment necessary to complete this work. The unit price bid shall also include the cost of testing as well as the removal and reinstalling of grates, manhole covers, etc., for such testing.