

ITEM 63207.09XX M - TURBIDITY CURTAIN, EMERGENCY STANDBY CONTRACT WORK

DESCRIPTION:

This work shall consist of furnishing, installing, maintaining and removing an approved turbidity curtain assembly placed at the location and in the manner shown on the Plans or as directed by the Engineer in writing prior to performing the work.

MATERIALS:

1. General. The turbidity curtain assembly shall consist of a flotation system, securing system and a permeable geotextile.
2. Basis of Acceptance. The flotation system and securing system (to hold the curtain in place and keep it on the bottom) shall meet the approval of the engineer. Design analysis and shop drawings shall be provided if requested in writing by the Engineer.

The geotextile shall be on the Approved List for Geotextile - Turbidity Curtain issued by the Department's Materials Bureau. The geotextiles which are on the Approved List shall be accepted on the basis of the brand name labeled on the geotextile or the geotextile container.

A geotextile not on the Approved List may be approved by submitting a twenty (20) square meter sample of the geotextile to the Department's Geotechnical Engineering Bureau for evaluation and acceptance or rejection (minimum of four months). Evaluation of the geotextile will be made in accordance with the procedural directive of the Geotechnical Engineering Bureau.

CONSTRUCTION DETAILS:

The turbidity curtain shall:

1. Be anchored to prevent any material from passing beneath the barrier.
2. Have a flotation system that will float if punctured or cut.
3. Have sufficient slack to permit the curtain to rise to the maximum designed high water without being overtopped and still be in continuous contact with the bottom.
4. Have adjacent portions of the curtain secured so that a minimum of suspended soil particles will pass between the sections. Where the Engineer requires sewn seams, the fabric will be overlapped 100 mm and be stitched with two rows of thread that is rot and ultraviolet resistant.

The Contractor shall repair or replace defective or damaged portions of the turbidity curtain at the direction of the Engineer. At the completion of the Contract, the turbidity curtain shall be removed in such a manner so as to minimize release of soil adhering to the turbidity curtain. After removal it shall become the property of the Contractor and shall be removed from the site.

METHOD OF MEASUREMENT:

The quantity of turbidity curtain will be the number of square meters computed from payment lines in the Plans or from payment lines established in writing by the Engineer. Measurement will not be made for turbidity curtain used for repairs, defective material, seams or overlaps.

BASIS OF PAYMENT:

The unit price bid per square meter for this item shall include the cost of furnishing all labor, equipment and materials necessary to complete the work. Any repair or replacement of damaged or defective turbidity curtain shall be done at no cost to the State.

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Payment shall be made under:

| <u>ITEM NO.</u> | <u>ITEM DESCRIPTION</u> | <u>PAY UNIT</u> |
|------------------------|--|------------------------|
| 63207.0901M | Turbidity Curtain, Emergency Standby Contract Work, Quantity Range 1 (0.0 to 99.9) | m ² |
| 63207.0902M | Turbidity Curtain, Emergency Standby Contract Work, Quantity Range 2 (100 to 999.9) | m ² |
| 63207.0903M | Turbidity Curtain, Emergency Standby Contract Work, Quantity Range 3 (1000 to 5000) | m ² |