

STRUCTURAL CONCRETE REPAIR

****From Salisbury WCRS(15) & Middlebury WCRS(16)(Re-advertised)**

- xx. DESCRIPTION. This work shall consist of the removal and disposal of delaminated and unsound concrete from an existing superstructure or substructure and its replacement with an approved methyl methacrylate polymer concrete patching material.

The work under this Section shall be performed in accordance with these provisions, the Plans, and Section 580 of the Standard Specifications for Construction.

- xx. MATERIALS. Patching material shall be of the products listed below:

Transpo T-17 Patch Material
Transpo Industries, Inc.
20 Jones Street
New Rochelle, NY 10801
Tel: (914)636-1000
Fax: (914)636-1283
www.transpo.com

Epoxy.com Product #680
Epoxy Systems, Inc.
20774 W. Pennsylvania Ave.
Dunnellon, Florida 34431
Tel: (321)206-1833
Fax: (352)489-1625
www.epoxy.com

Durapatch MMA
ChemMasters
300 Edwards Street
Madison, OH 44057-3112
Tel: (440)428-2105
Fax: (440)428-7091
www.chemmasters.net

Requests for substitutions for the above shall be submitted to the Agency's Office of Contract Administration a minimum of 10 days in advance of the bid opening date. Substitutions for the above after award shall be approved by the Resident Engineer.

- xx. PROPORTIONING AND MIXING. The product shall not be extended with sand or gravel except when Rapid Setting Concrete Repair Materials are mixed with approved aggregates in conformance with the manufacturer's recommendations.
- xx. SURFACE PREPARATION FOR REPAIRS. After complete removal of unsound concrete, the entire area to be patched shall be thoroughly blast cleaned and prepared as recommended by the manufacturer.
- xx. METHOD OF MEASUREMENT. The quantity of Special Provision (Polymer Concrete Repair Material) to be measured for payment will be the number of cubic meters (cubic feet) of material mixed for use, as approved by

the Engineer. The volume will be computed on the basis of the quantity identified as being contained in the product packaging.

- xx. BASIS OF PAYMENT. The accepted quantity of Special Provision (Polymer Concrete Repair Material) will be paid for at the Contract unit price bid per cubic meter (cubic foot). Payment will be full compensation for furnishing, transporting, storing, handling, and placing the materials; surface preparation as specified; satisfactory completion of curing; the furnishing of all forms and materials, including admixtures and joint filler, necessary to complete the work; and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

The cost of heating or cooling materials and protecting the concrete against cold weather, and any additional cost for cement, shall be included in the Contract unit price bid for Special Provision (Polymer Concrete Repair Material).

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
900.605 Special Provision (Polymer Concrete Repair Material)	Cubic Foot
900.608 Special Provision (Polymer Concrete Repair Material)	Cubic Meter