

2/2/2012

CONCRETE STAINING AND SEALING

****From Middlebury-Weybridge BHO 1445(33)**

xx. DESCRIPTION. This work shall consist of applying a tinted or pigmented acrylic stain and sealant system for the sealing and protection of concrete surfaces to achieve a dark gray appearance as indicated in the Plans and as directed by the Engineer.

xx. MATERIALS. Materials and coating(s) systems furnished under this Section shall conform to the manufacturer's specifications. The following coating systems, or an approved equivalent, are acceptable for use:

Coating: Thoro® Pigmented Sealer

Manufacturer: BASF Building Systems
889 Valley Park Drive
Shakopee, MN 55379
Tel.: 1-800-433-9517
Internet: www.BASFbuildingsystems.com

Coatings: TK-290 Tri-Siloxane
TK-5272 Pigmented Stain

Manufacturer: TK Products
Division of Sierra Corporation
11400 West 47th Street
Minnetonka, MN 55343
Tel.: 1-952-938-7223
Fax: 1-952-938-8084
Internet: www.tkproduct.com

Coatings: H&C® Shield Plus™ Ultra Concrete Stain
H&C® Commercial Grade Super V™ Water-Based Water Repellent

Manufacturer: H&C® Concrete Care Products
101 Prospect Avenue
6 Guild Hall
Cleveland, OH 44115
Tel.: 1-800-867-8246
Internet: www.hc-concrete.com

xx. SUBMITTALS. Four weeks prior to beginning the work, the Contractor shall submit between four and six color samples to the Engineer for approval. The Engineer, in consultation with the municipality, will determine which, if any, of the samples are acceptable. If none of the samples are acceptable, then the Contractor shall repeat the process with four to six additional color samples.

xx. APPLICATION. All surfaces that are to be stained and sealed shall be at least 30 days old and as required by the coating manufacturer. These surfaces shall also be cleaned as required by the manufacturer to remove any latency, dirt, grease, oil, efflorescence, paint, or other foreign materials and

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contaminants. Any solvent cleaning necessary shall meet the recommendations of the coating manufacturer.

Coatings shall be applied in accordance with the manufacturer's recommendations.

xx. SURFACE PROTECTION. After application(s) of the sealer and/or stain, the concrete surfaces shall be protected as necessary in accordance with the manufacturer's recommendations.

xx. ENVIRONMENTAL PROTECTION. During cleaning, surface preparation, and coating operations, the Contractor shall provide appropriate measures (such as suitable protective coverings) to protect the public, the bridge superstructure, work area, river, etc. from cleaning and coating contamination due to drippings, spatter, wind-blown particles, falling objects, etc. The Contractor shall be fully responsible for property damage or personal injury which may result from operations incidental to sealing and staining concrete surfaces.

xx. METHOD OF MEASUREMENT. The quantity of Special Provision (Concrete Staining and Sealing) to be measured for payment will be the number of gallons of stain applied in the complete and accepted work, measured to the nearest gallon.

Water repellent sealant (as required) will not be measured separately, but shall be considered incidental to the work.

xx. BASIS OF PAYMENT. The accepted quantity of Special Provision (Concrete Staining and Sealing) will be paid for at the Contract unit price per gallon. Payment will be full compensation for furnishing, transporting, handling, and placing the material(s) specified and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

Any apparatus, material, and labor not specifically mentioned herein which may be found necessary to complete or perform any portion of the work in a satisfactory manner and in compliance with the requirements implied or intended in these specifications shall be furnished by the Contractor at no additional cost to the Agency.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
900.625 Special Provision (Concrete Staining and Sealing)	Liter (Gallon)