

SECTION 923 - MISCELLANEOUS

923.06 DAMPPROOFING AND WATERPROOFING.

The following Paragraph (H) is added:

(H) Waterproofing Systems for Substructures

Substructure Waterproofing shall conform to the requirements of (E) Epoxy Resin Waterproofing.

Substructure Membrane Waterproofing shall consist of a primer and the membrane. The membrane system must originate from one manufacturer to insure compatibility. The membrane system shall be Eliminator by Stirling Lloyd Products, Inc., North Haven, or "Bridge Deck Membrane" by Bridge Preservation, LLC, Kansas City, KS 913-321-9006 as distributed by R.J. Watson, Inc., Amherst, NY 716-691-3301, or an approved equal. The membrane shall conform to the following:

<u>Property</u>	<u>Test Method</u>	<u>Criteria</u>
Solids Content		100%
Coverage Rate 80 mils (2mm)		20.5 sq. ft./gal
Cure Time		30 minutes at 68 degrees F
Water Vapor Transmission	ASTM E96	4.3 g/m2/day
Water Absorption	ASTM D570	<0.5%
Tensile Strength	ASTM D638	400 psi (min)
Elongation (min)	ASTM D638	100%
Adhesion to Concrete	ACI 503A	100 psi (min)
Crack Bridging	ASTM C836	Pass at 15 degrees F 62.5 mils at 25 10 cycles
<u>Resistance To:</u>		
Ethylene Glycol	ASTM D543	Pass
Calcium Chloride	ASTM D543	Pass
Diesel Fuel	ASTM D543	Pass
Gasoline	ASTM D543	Pass

The following samples and information along with the current published technical product data and material safety data sheets for the system selected shall be submitted to the Engineer at least one month before application of the waterproof membrane system is anticipated by the Contractor: