Wabo®Crete II
Elastomeric Concrete
for Bridge & Highway Applications

A. General

The work shall consist of furnishing and installing an elastomeric concrete material in accordance with the details shown on the plans and the requirements of the specifications.

B. Product

Provide a field-mixed elastomeric concrete header material. The elastomeric concrete material shall be field mixed and consist of a two-component elastomer and specialty aggregate mix.

C. Component and Materials

The Contractor shall furnish a manufacturer's certification that the materials proposed have been pre-tested and will meet the requirements as set forth in the specification.

1. Elastomeric Concrete

Material shall be an ambient cure, 100% solids, two-component polyurethane with specialty aggregate mix exhibiting the physical properties listed in the tables below. When properly mixed and poured, the elastomeric concrete cures rapidly, flows and fills any voids, spalls or irregularities forming a monolithic unit.

Elastomeric cured binder and aggregate shall meet the following physical properties:

PHYSICAL PROPERTIES	TEST METHOD	REQUIREMENT
Compressive Strength	ASTM D695	2200 psi min.
Resilience @ 5% deflection	ASTM D695	90% min
Slant Shear Bond Strength to concrete		250 psi min.
Impact Resistance	ASTM D3029	
@ 32°F (0°C)		no cracks
@ -20°F (-29°C)		no cracks
@158°F (70°C)		no cracks

Watson Bowman Acme
95 Pineview Drive
Amherst, NY 14228
phone: 716-691-7566
fax: 716-691-9239
watsonbowmanacme.com

SIKA CORPORATION
201 Polito Avenue
Lyndhurst, NJ 07071 USA
Phone: +1-800-933-7452
Fax: +1-2019336225
www.usa.sika.com

Texas state only

PHYSICAL PROPERTIES	TEST METHOD	REQUIREMENT
Wet bond strength to concrete	Tex-618-J	225 psi min
Compressive Strength, 24 hours	ASTM C579, Method B	750 psi min.
Compressive Stress	Tex-618-J	750 psi min
Resilience	Tex-618-J	85% min.

2. Bonding Agent

Provide manufacturers two component, 100% solids bonding agent. Apply bonding agent to the sides and base of the preformed concrete blockout prior to placement of the elastomeric concrete. Store, mix and apply in accordance with manufacturer's system data sheet.

Liquid components shall be identified by the following information:

Part A – Resin	Color: Clear
Part B – Activator	Color: Tan

D. Construction Requirements

The Contractor shall submit product information after the award of the contract. At the discretion of the Engineer, the manufacturer may be required to furnish a representative sample of material to be supplied in accordance with the project specifications.

The manufacturer shall provide instructions for the proper installation of the elastomeric concrete. Any patching materials must be approved prior to use from the manufacturer. Elastomeric concrete shall be installed at locations shown on the contract plans and in strict accordance with the manufacturers written instructions along with the advice of their qualified representative.

E. Payment

The accepted quantity of elastomeric concrete will be paid for at the contract unit price per cubic foot. Payment will be made under:

PAY ITEM	PAY UNIT
Elastomeric Concrete	Cubic Foot

Payment will be full compensation for all work necessary to complete the items including furnishing and installing the elastomeric concrete, and any miscellaneous patching required