

## SCOPE OF WORK

### INTENT

The intent of this invitation to bid is to establish an annual requirements contract for PHPM-50 for pothole repair.

All material will be purchased on an as needed basis.

### SCOPE

The successful bidder(s) shall provide PHPM-50 on an as-needed basis for the City of Arlington, for an annual requirements contract and subsequent renewal periods in strict accordance with the terms, conditions, and provisions of this solicitation

The City will pick up the material from the contractor's plant.

### PHPM-50 FOR POTHOLE REPAIR

Materials shall meet manufacturer specifications for hot and cold mix patching methods.

This is a performance specification for PHPM-50™, or a pre-approved product equivalent. This product shall be used as a Liquid Geo-Tech membrane for pothole repair. The proposed item shall seal cracks in the side, bottom, and surface of the patch, form a waterproofing membrane to protect the pavement base material from water infiltration.

The product shall form a tight high-density cementitious matrix, which encapsulates and fastens into the exposed aggregates porosity, forming a water and freeze-thaw resistant membrane. It shall be non-tracking and provide a bonding platform and be guaranteed to work with our pothole patch mix.

The product shall be composed of a high melting point hydrocarbon plastic resin in a waterborne liquid form that is non-clogging and flows easy in all-weather temperature. The City of Arlington Public Works shall have had the product satisfactory in-place as a tack for a minimum of one year. All test results required in this specification shall furnish upon request by Arlington County.

<b>Specifications Data</b>		<b>Requirements</b>	
Specification Designation	Test Method	Minimum	Maximum
Color	0	Brown Liquid, dries black	0
Tear Resistance	ASTM D 1004	10 lbs	0
Safe water contact	NSF	Pass	0
Viscosity S.F.@ 77' Sec	ASTMD 244-60	20	250
Soften Point	ASTM D36	160°F	0
Residue, % by weight	ASTMD 244-60 (i)	48	58
Solids by weight %	ASTMD 244	48	58
Moisture wt%	0	52	0
Volatile%	0	35	0
Penetration	0	0	10
Residue Soluble in Trichloroethylene	T 45-56 ASHTO	5%	0
Toxicity Test	22 CCR 66696	Passed	0
40 ml Accelerated Weathering (2 year exposure)	TT C-555 B Federal Specification	No Material Deterioration After Exposure	0
As 40 ml sealer after cure resistance to wind and driven rain @ 98mph	TT C-555 b Federal Specification	Passes Test with No Weight Gain	0

(1) –ASTM D 244 Modified evaporation test for percent of residue is made by heating 50 gram sample to 300°F until foaming ceases, then test immediately and calculate results.